

**QUESTION BANK FOR SELECTION TO THE POST OF JE/BRIDGE THROUGH
PROMOTIONAL QUOTA- EXAMINATION**

OFFICIAL LANGUAGE POLICY

1. Hindi Day is celebrated on _____ (B)
A. 14' Aug B. 14' Sep C. 14' Oct D. 14' Nov.
2. As per Which article of the constitution Hindi in Devanagari is the Official Language? (B)
A. 342 B. 343 C. 344 D. 345
3. In which year Official Language act was passed by parliament? (D)
A. 1960 B. 1961 C. 1962 D. 1963
4. Into how many regions, India is divided according to Official Language Rule? (C)
A. 5 B. 4 C. 3 D. 6
5. Communication as per Official language policy from Central govt. Offices to Region 'A' should be in (B)
A. English only B. Hindi only C. Hindi or English
D. None of the above
6. Which of the following states falls in Region 'A' as per Official Language? (A)
A. Madhya Pradesh B. Punjab C. Orissa D. Gujarat
7. Which of the following states falls in Region 'B' as per Official Language? (B)
A. Madhya Pradesh B. Punjab C. Orissa D. Pondicherry
8. Which of the following states falls in Region 'C' as per Official Language? (C)
A. Madhya Pradesh B. Punjab C. Orissa D. Gujarat
9. Andhra Pradesh fall in Region _____ as per OLP? (C)
A. A B. B C. C D. None
10. Cash Award is given on passing which of the following exams? (D)
A. Prabodh B. Praveen C. Pragya D. All the above
11. As per the OL rules 1976 replies to the communication received in Hindi shall be (C)
A. In any OL B. In Hindi and English C. In Hindi D. Vernacular
12. All name plates, sign boards, letter heads, inscriptions on envelopes and other Stationary etc., shall be in _____. (B)
A. Hindi B. (Hindi & English) C. English D. English in Region C
13. When were the official language rules were formed _____ (D)
(a) 1947 b) 1956 c) 1963 d) 1976
14. As per OL policy Jammu & Kashmir comes under _____ region (C)
(a) A b) B c) C d) none

WORKING OF TROLLEY, LORRY AND RAIL DOLLEY

1. In engineering department _____ officials are permitted to use trollies/lorries [D]
A) All Officers B) JE/SSE/P.Way
C) Gang Mate/Trolleyman D) Both A) and B)
2. In engineering department _____ officials are permitted to use motor trollies [A]
A) All Officers B) JE/SSE/P.Way
C) Gang Mate/Trolleyman D) Motor trolley driver
3. A qualified person shall place the trolley on the line when he [B]
A) has attended training B) Possess a valid competency certificate
C) is having sufficient experience D) none of these
4. When more than one person holding competency certificate travels in a trolley, the person responsible for its safe working is [C]
A) The Head Trolley man B) Trolley holder
C) the man who is manning the brakes D) Higher official accompanying trolley
5. Validity of competency certificate for push trolley is as per G&SR [A]
A) one year B) two years C) three years D) depends on division to division
6. Validity of competency certificate for push trolley is as per IRPWM [B]
A) one year B) two years C) three years D) depends on division to division
7. Staff permitted to use push Trollies and Lorries, in respect of Officers on the division, the _____ is the authorised officer to issue the certificate of competency. [B]
A) Sr.DSO B) DRM C) PCSO D) GM
8. Who is the competent authority, to Issue Motor trolley competency certificate to Group 'C' staff of division is [C]
A) DEN/Sr.DEN B) Sr.DEN/Co.ord C) Sr.DSO D) DRM
9. Who is the competent authority, to Issue Motor trolley competency certificate to Motor trolley driver is [D]
A) ADEN B) DEN/Sr.DEN C) Sr.DEN/Co.ord D) Sr.DSO
10. Who is the competent authority, to Issue Motor trolley competency certificate to officers of division is [D]
A) PCSO B) PCE C) Sr.DEN/Co.ord D) DRM
11. Who is the competent authority, to Issue Motor trolley competency certificate to officers in headquarters (other than Deputy/heads of department and above) of the railway is [C]
A) GM B) AGM C) PCSO D) PCE
12. To use trolley/lorry/dolly, for Gangmates, authorised to issue competency certificate by [B]
A) SSE/P.Way B) ADEN C) DEN/Sr.DEN D) Sr.DSO
13. To use Rail dolly, for Keyman, authorised to issue competency certificate by [A]
A) SSE/P.Way B) ADEN C) DEN/Sr.DEN D) Sr.DSO
14. To use trolley/lorry, for Head trolley man, authorised to issue competency certificate by [B]
A) SSE/P.Way B) ADEN C) DEN/Sr.DEN D) Sr.DSO
15. To use trolley/motor trolley/lorries, for JE/SSE/P.Way, authorised to issue competency certificate by [C]
A) SSE/P.Way B) ADEN C) DEN/Sr.DEN D) Sr.DSO
16. The brakes of the trolley should be tested before the commencement of [A]

29. Maximum distance apart of trolley refugees on bridges with main spans of less than 100 metres should be at [B]
A) 50 metres B) 100 metres C) 150 metres D) 200 metres
30. Maximum distance apart of trolley refugees on bridges with main spans of 100 metres or more should be [D]
A) at 50 metres B) 100 metres C) 150 metres D) a refugee over each pier
31. What is the inner to inner standard dimensions of trolley refuges [C]
A) 2.0 m X 2.0 m B) 2.70 m X 2.70 m C) 3.0 m X 3.0 m D) 3.50 m X 3.50 m
32. What is the horizontal distance of trolley refuges, from track centre to edge of trolley refuges which are laid side of track [C]
A) 2.36 m B) 2.50 m C) 2.70 m D) 2.80 m
33. During construction of trolley refuges, top level of trolley refuges should matches with the level of [A]
A) Rail top level B) Sleeper top level C) Sleeper bottom level D) Ballast toe level
34. Push Trollies shall be manned by at least [A]
A) 4 men B) 6 men C) 3 men D) 2 men
35. When a motor trolley is worked without block protection, it should be manned by Atleast [A]
A) 4 men B) 6 men C) 8 men D) 10 men
36. Working of motor trollies shall always be _____ [B]
A) Under caution order B) Under block protection
C) without block protection D) Under JE/SSE/P.Way supervision
37. The Maximum number of _____ men to be carried on Push trolley is structurally safe [C]
A) 6 B) 8 C) 10 D) 12
38. The maximum number of men that may be carried on a Motor Trolley shall not exceed _____ is structurally safe [B]
A) 8 B) 10 C) 12 D) 15
39. After push trolley inspection, the trolley can be brought back to PWI HQ by attaching to _____ [D]
A) Mail B) Express C) Goods D) None of the above
40. Quantity of petrol in the tank of motor trolley while loading into train should not exceed [C]
A) 3 litres B) 5 litres C) 9 litres D) 10 litres
41. Speed of Push trollies, the speed of a push trolley shall not exceed [D]
A) 6 kmph B) 8 kmph C) 10 kmph D) 15 kmph
42. Speed of Motor trollies, during day time a motor trolley shall run at a speed not exceeding [D]
A) 30 kmph B) 40 kmph C) 50 kmph D) None of the above
43. Speed of Motor trollies, during night time a motor trolley shall run at a speed not exceeding [C]
A) 10 kmph B) 15 kmph C) 30 kmph D) 50 kmph
44. Speed of Motor trollies shall not exceed _____ over points and crossings [B]
A) 10 kmph B) 15 kmph C) 30 kmph D) 50 kmph
45. During day time every Trolley, Motor Trolley or Lorry when on line _____ signal shall exhibit [B]
A) Green flag B) Red flag C) caution Indicator D) none of these

46. During day time every Trolley, Motor Trolley or Lorry when in long tunnels _____ signal shall exhibit [D]
A) Green flag B) Red flag C) caution Indicator D) Red light
47. The signal for trolley/motor trolley working at night on single line _____ signal shall exhibit [B]
A) red on one side green on other side B) both sides red
C) red on one side white on other side D) Both sides white
48. The signal for trolley/motor trolley working at night on double line _____ signal shall exhibit [C]
A) Opposite to train red and other side green B) both sides red
C) Opposite to train red and other side white D) Opposite to train white and other side
49. The signal for trolley/motor trolley working at night in station yards _____ signal shall exhibit [B]
A) red on one side green on other side B) both sides red
C) red on one side white on other side D) Both sides white
50. Each Push Trolley, Moped Trolley or Dip Lorry shall be provided with _____ red flags instead of _____ red flags mentioned in Rule 15.20B). [D]
A) 3 , 2 B) 4 , 3 C) 5 , 3 D) 5 , 2
51. The official in charge of the trolley, lorry or motor trolley shall also be in possession of a _____ in addition to the prescribed equipment. [C]
A) CUG Phone B) Speaker C) Watch D) Camera
52. Making use of _____ for propulsion of trollies or lorries is strictly prohibited. [C]
A) motors B) pedalling C) Wind sails D) pushing
53. When Motor trolley is programmed to work under block protection, permit to work memo _____ should be issued. [D]
A) T/462 B) T/465 C) T/1518 D) T/1525
54. When Push trolley is programmed to work under block protection, permit to work memo _____ should be issued. [C]
A) T/462 B) T/465 C) T/1518 D) T/1525
55. During night and at times of poor visibility the trolley should work under [B]
A) Supervision of SM B) Block Protection C) following train D) Trolley Memo
56. Protection of trollies working without block protection should be done with flagman when the visibility is less than as per IRPWM is [A]
A) 1200 metres B) 1000 metres C) 800 metres D) 600 metres
57. Protection of trollies, working without block protection should be done with flagman when the visibility is less than as per G & SR is [C]
A) 1200 metres B) 1000 metres C) 800 metres D) 600 metres
58. Protection of trollies should be done with _____ signals [B]
A) 30m Hand signal & 1200m Detonators B) 1200m Hand signals and Detonators
C) 30m Hand signals, 600m Banner flags and 1200m Detonators
D) 600m Banner flags and 1200m Detonators
59. In section with restricted visibility if the trolley is required to work and cannot obtain block protection, trolley can be worked [B]
A) Under SM supervision B) Under caution Order
C) Under ADEN supervision D) Under JE/SSE/P.Way supervision

60. Gangmates/Gangmen, Keymen and Gatemen shall exhibit Stop hand signals to warn any approaching train, when they see the Trolley on line and continue to exhibit the Stop hand signal, till the Trolley has passed ____ away or until it is removed from the line. [C]
A) 1200 metres B) 1000 metres C) 800 metres D) 600 metres
61. Push trolley inspection, should be done under block protection on routes having speed of ____ [D]
A) < 110kmph B) upto 110kmph C) ≥ 110 kmph D) >110 kmph
62. The Official in-charge/Driver of a Motor Trolley while approaching level crossing gates should exercise caution and ensure that the level crossing gates are ____ before passing the gate. [B]
A) Closed against train traffic B) closed against road traffic
C) Provide STOP board with long chains against road traffic D) Caution to the road traffic
63. Whenever a trolley is not in use, it shall be locked and placed ____, [A]
A) Parallel to track B) Perpendicular to track C) On the track D) None of the above
64. When two Trollies or more are running together in the same direction on the same line, care shall be taken to ensure that they are kept at least as per G&SR [B]
A) One OHE mast or 50 metres apart B) One OHE mast or 75 metres apart
C) Two OHE mast or 100 metres apart D) Two OHE mast or 150 metres apart
65. When two Trollies or more are running together in the same direction on the same line, care shall be taken to ensure that they are kept at least as per IRPWM [B]
A) 50 metres B) 150 metres C) 100 metres D) 200 metres
66. Lorries when running under block protection must be accompanied on foot by not less than as per G & SR [B]
A) 4 men B) 6 men C) 8 men D) 10 men
67. Lorries when running under block protection must be accompanied on foot by not less than as per IRPWM [A]
A) 4 men B) 6 men C) 8 men D) 10 men
68. When a lorry is loaded with rails or specially heavy material it should be worked [B]
A) under supervision of SM B) under block protection
C) under ADEN supervision D) under supervision of JE/SSE/P.Way
69. When Dip lorry is programmed to work under block protection, permit to work memo ____ should be issued. [C]
A) T/462 B) T/465 C) T/1518 D) T/1525
70. Lorries working within station limits must be protected with banner flags and detonators when it requires to remain stationary for more than [D]
A) 30 minutes B) 25 minutes C) 20 minutes D) 15 minutes
71. Lorries should be controlled by hand brakes and a rope tied in rear when working in gradients steeper than [A]
A) 1 in 100 B) 1 in 200 C) 1 in 300 D) 1 in 400
72. A Dip Lorry shall ordinarily be run only by day and when the weather is sufficiently clear for a signal to be distinctly seen from an adequate distance, which shall never be less than ____ [C]
A) 1200 metres B) 1000 metres C) 800 metres D) 600 metres

73. Except under approved special instructions, when the line has not been so blocked and a Lorry whether loaded or empty is placed on the line, the Lorry shall be protected when visibility is less than [A]
 A) 1200 metres B) 1000 metres C) 800 metres D) 600 metres
74. Protection of Dip lorries should be done with _____ signals [D]
 A) 30m Hand signal & 1200m Detonators
 B) 1200m Hand signals and Detonators
 C) 30m Hand signals, 600m Banner flags and 1200m Detonators
 D) 600m Banner flags and 1200m Hand signals and Detonators
75. Speed of Dip lorries shall not exceed _____ over straight track [B]
 A) 15 kmph B) 10 kmph C) 6 kmph D) 3 kmph
76. Speed of Dip lorries shall not exceed _____, when the view ahead is not clear [C]
 A) 15 kmph B) 10 kmph C) 6 kmph D) 3 kmph
77. Every rail dolly shall be manned by not less than [C]
 A) 4 able bodied men B) 3 able bodied men
 C) 2 able bodied men D) 1 able bodied man
78. When two Dip lorries or more are running together in the same direction on the same line, care shall be taken to ensure that they are kept at least as per G&SR [D]
 A) One OHE mast or 50 metres apart B) One OHE mast or 75 metres apart
 C) Two OHE mast or 100 metres apart D) Two OHE mast or 150 metres apart
79. Whenever a dip lorry is not in use, it shall be locked and placed _____, [A]
 A) Parallel to track B) Perpendicular to track C) On the track D) None of the above
80. The person incharge for working of rail dollies shall be a railway servant not lower in rank than a [C]
 A) JE/P.Way B) Mate C) Keyman D) Track maintainer
81. When Rail dolly working near LC gate, the person in charge for the working of rail dolly shall be _____ [C]
 A) Gang mate B) Flag man C) Official in charge of rail dolly D) Gateman
82. The official incharge for working of rail dollies should have passed in medical category [C]
 A) A-1 B) A-2 C) A-3 D) B-1
83. Officer authorized to issue competency certificate to use rail dolly is _____ [A]
 A) SSE/P.Way of section B) ADEN C) DEN D) DRM
84. Rail dollies shall not be worked on sections having gradients steeper than [B]
 A) 1 in 100 B) 1 in 200 C) 1 in 300 D) 1 in 400
85. Not more than _____ dollies should be worked in a group in any one block section. [C]
 A) 10 B) 8 C) 6 D) 4
86. Rail dolly working, Normally not longer than _____ rail welded panels should be carried by rail dollies [B]
 A) 2RP B) 3RP C) 5RP D) 10RP
87. Every rail dolly/group of rail dollies when on line shall exhibit [B]
 A) green flag B) red flag C) no flag is required D) none of these
88. While Rail dolly working, protection of rail dolly is required when visibility is less than [A]
 A) 1200 metres B) 1000 metres C) 800 metres D) 600 metres

89. Rail dolly when working without block protection shall be protected by a flagman walking at a distance [A]
 A) 1200 metres B) 600 metres C) 300 metres D) none of these
90. Protection of Rail dollies should be done with _____ signals [B]
 A) 30m Hand signal & 1200m Detonators B) 1200m Hand signals and Detonators
 C) 30m Hand signals, 600m Banner flags and 1200m Detonators
 D) 600m Banner flags and 1200m Detonators
91. Where the visibility is not clear for 1200 metres, in such locations the rail dolly should be worked _____. [B]
 A) Under caution order B) Under block protection
 C) without block protection D) Under JE/SSE/P.Way supervision
92. Rail cum Road Vehicle (RRV) operator should undergo training at _____. [B]
 A) ZCETI B) ZRTI C) IRICEN D) RDSO
93. In case, a rail dolly is to carry rails longer than 3 rail panel or it is required to move over crossovers in yard, crossing more than one line, then it should work _____. [D]
 A) Under caution order B) Under JE/SSE/P.Way supervision
 C) without block protection D) Under block protection
94. Rail cum Road Vehicle (RRV) running on track should be _____. [D]
 A) Under caution order B) Under JE/SSE/P.Way supervision
 C) without block protection D) Under block protection
95. On successful completion of training, the competency certificate to Rail Cum Road vehicle (RRV) operator, which will be valid for a period of _____. [C]
 A) 1 year B) 2 years C) 3 years D) 5 years
96. Refresher course for Rail Cum Road vehicle (RRV) operator is once in _____. [C]
 A) 1 year B) 2 years C) 3 years D) 5 years
97. Speed potential of Rail Cum Road vehicle (RRV) _____ on road [D]
 A) 10 kmph B) 40 kmph C) 60 kmph D) 80 kmph
98. Speed potential of Rail Cum Road vehicle (RRV) _____ on track in forward direction [C]
 A) 10 kmph B) 40 kmph C) 60 kmph D) 80 kmph
99. Speed potential of Rail Cum Road vehicle (RRV) _____ on track in reverse direction [A]
 A) 10 kmph B) 40 kmph C) 60 kmph D) 80 kmph

SCHEDULE OF DIMENSIONS (IRSOD)

100. Minimum distance of centre to centre of track for Existing works in block section is ____
A) 4265 mm B) 4260 C) 4725 D) 4495 [A]
101. Minimum distance of centre to centre of track for new works in block section is ____
A) 7800 B) 5300 C) 5100 D) 4725 [B]
102. Minimum horizontal distance from centre of track to any structure from rail level to 305mm above rail level for Existing works in block section is _____ mm [C]
A) 1670 B) 1680 C) 1675 D) 1905
103. Minimum horizontal distance from centre of track to any structure except a platform from 305 mm above rail level to 4420 mm above rail for Existing works in block section is _____ mm [B]
A) 2130 B) 2135 C) 1600 D) 1905
104. Minimum horizontal distance from centre of track to any structure from rail level to 305mm above rail level for new works or alterations to existing works in block section is _____ mm [D]
A) 2130 B) 2135 C) 1600 D) 1905
105. Minimum horizontal distance from centre of track to any structure except a platform from 305 mm above rail level to 1065 mm above rail for New works or alterations to Existing works [A]
A) 1905 mm increasing to 2360 mm B) 1900 mm increasing to 2135 mm
C) 1905 mm increasing to 2135 mm D) 1900 mm increasing to 2360 mm
106. Minimum horizontal distance from centre of track to any structure except a platform from 1065 mm above rail level to 3355 mm above rail for New works or alterations to Existing works is _____ mm [C]
A) 2355 B) 2365 C) 2360 D) 2350
107. Minimum horizontal distance from centre of track to any structure except a platform from 3355 mm above rail level to 4420 mm above rail for new works or alterations to Existing works [D]
A) 2360 mm decreasing to 2100 B) 2135 mm decreasing to 2100
C) 2360 mm D) 2360 mm decreasing to 2135 mm
108. Minimum horizontal distance from centre of track to any structure except a platform from 4420 mm above rail level to 5870 mm above rail for New works or alterations to Existing works [C]
A) 2135 mm decreasing to 1600mm B) 2360 mm decreasing to 1600mm
C) 2135 mm decreasing to 915 mm D) 2360 mm decreasing to 915mm
109. Minimum horizontal distance from centre of track to any structure except a platform Below the rail level up to the formation level of the track on straight and curves up to radius of 875m is _____ mm [A]
A) 2575 B) 2625 C) 2725 D) 2360
110. Minimum horizontal distance from centre of track to any structure except a platform Below the rail level up to the formation level of the track on curves radius less than 875m is _____ mm [C]
A) 2575 B) 2625 C) 2725 D) 2360

111. Minimum height above rail level for a distance of 915mm on either side of the centre of track for overhead structures is _____ mm in block section [B]
 A) 5870 B) 4875 C) 5100 D) 5250
112. Minimum height above rail level when D.C. Traction is likely to be used for a distance of 915mm on either side of the centre of track for overhead structures is _____ mm in block section [C]
 A) 5870 B) 6250 C) 5410 D) 5250
113. Minimum height above rail level Where 25 KV A.C. traction is likely to be used, for a distance of 1600mm on either side of the centre of track for Light overhead structures such as Foot over bridges is _____ mm in block section [A]
 A) 6250 B) 5870 C) 5410 D) 5250
114. Minimum height above rail level Where 25 KV A.C. traction is likely to be used, for a distance of 1600mm on either side of the centre of track for Heavy overhead structures such as Road over bridges and Flyovers is _____ mm in block section [B]
 A) 6250 B) 5870 C) 5410 D) 5250
115. Minimum Clearance from rail level to power line crossings upto and including 11KV in Non-Electrified territory is _____ [D]
 A) Normally by over head cable B) 10860 mm C) 11160 mm
 D) normally by underground cable.
116. Minimum Clearance from rail level to power line crossings above 11KV and up to 33KV in Non-Electrified territory is _____ mm [C]
 A) 10840 B) 10850 C) 10860 D) 10870
117. Minimum Clearance from rail level to power line crossings above 33KV and up to 66KV in Non-Electrified territory is _____ mm [A]
 A) 11160 B) 11150 C) 11140 D) 11130
118. Minimum Clearance from rail level to power line crossings above 66KV and up to 132KV in Non-Electrified territory is _____ mm [D]
 A) 11660 B) 11690 C) 11680 D) 11670
119. Minimum Clearance from rail level to power line crossings above 132KV and up to 220KV in Non Electrified territory is _____ mm [A]
 A) 12660 B) 12650 C) 12640 D) 12600
120. Minimum Clearance from rail level to power line crossings above 220KV and up to 400KV in Non-Electrified territory is _____ mm [B]
 A) 14470 B) 14460 C) 14450 D) 14440
121. Minimum Clearance from rail level to power line crossings above 400KV and up to 500KV in Non-Electrified territory is _____ mm [C]
 A) 15340 B) 15350 C) 15360 D) 15370
122. Minimum Clearance from rail level to power line crossings above 500KV and up to 800KV in Non-Electrified territory is _____ mm [D]
 A) 18030 B) 18040 C) 18050 D) 18060
123. Minimum Clearance from rail level to New power line crossings up to and including 11KV in Electrified territory is _____ [D]
 A) Normally by over head cable B) 10860 mm C) 11160 mm
 D) normally by underground cable.

124. Minimum Clearance from rail level to New power line crossings above 11KV and up to 33KV in Electrified territory is _____ mm [A]
 A) 14660 B) 14670 C) 14680 D) 14690
125. Minimum Clearance from rail level to New power line crossings above 33KV and up to 66KV in Electrified territory is _____ mm [B]
 A) 14970 B) 14960 C) 14980 D) 14950
126. Minimum Clearance from rail level to New power line crossings above 66KV and up to 132KV in Electrified territory is _____ mm [C]
 A) 15540 B) 15550 C) 15560 D) 15570
127. Minimum Clearance from rail level to New power line crossings above 132KV and up to 220KV in Electrified territory is _____ mm [B]
 A) 16450 B) 16460 C) 16470 D) 16480
128. Minimum Clearance from rail level to New power line crossings above 220KV and up to 400KV in Electrified territory is _____ mm [A]
 A) 18260 B) 18250 C) 18240 D) 18230
129. Minimum Clearance from rail level to New power line crossings above 400KV and up to 500KV in Electrified territory is _____ mm [D]
 A) 19130 B) 19140 C) 19150 D) 19160
130. Minimum Clearance from rail level to New power line crossings above 500KV and up to 800KV in Electrified territory is _____ mm [C]
 A) 21840 B) 21850 C) 21860 D) 21870
131. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 11KV and up to 33 KV is _____ mm [B]
 A) 2430 B) 2440 C) 2450 D) 2460
132. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 33KV and up to 66KV is _____ mm [A]
 A) 2440 B) 2430 C) 2450 D) 2460
133. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 66KV and up to 132KV is _____ mm [D]
 A) 3000 B) 3030 C) 3040 D) 3050
134. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 132KV and up to 220KV – _____ mm [C]
 A) 4560 B) 4570 C) 4580 D) 4590
135. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 220KV and up to 400KV is _____ mm [B]
 A) 5480 B) 5490 C) 5500 D) 5470
136. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 400KV and up to 500KV is _____ mm [D]
 A) 7910 B) 7920 C) 7930 D) 7940
137. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 500KV and up to 800KV is _____ mm [A]
 A) 7940 B) 7920 C) 7930 D) 7910
138. Minimum height above rail level for telegraph, telephone and other such low tension wires crossing a railway is _____ mm [C]

- A) 6200 B) 6050 C) 6100 D) 6150
139. Minimum horizontal distance measured at right-angle to, and from the centre of nearest track to any part of the structure above ground level, carrying electrical conductor crossing a railway line for New works shall be – [B]
A) $H + 1.5 \text{ Mts}$ B) $H + 6 \text{ Mts}$ C) $H + 3 \text{ Mts}$ D) $H + 2.135 \text{ Mts}$
140. Minimum horizontal distance measured at right-angle to, and from the centre of nearest track to any part of the structure above ground level, carrying electrical conductor crossing a railway line for existing rigid well founded structure/post shall be _____ which ever is more [A]
A) 3M or 1.5M away from the toe of embankment/Top of cutting
B) 1.5M or 3M away from the toe of embankment/Top of cutting
C) 3M or 1M away from the toe of embankment/Top of cutting
D) 1M or 3M away from the toe of embankment/Top of cutting
141. Minimum distance of centre to centre of track in Tunnels, Through and semi through girder bridges for Existing works is _____ mm [D]
A) 4480 B) 4485 C) 4490 D) 4495
142. Minimum distance of centre to centre of track in Tunnels, Through and semi through girder bridges for New works and alterations to existing works is _____ mm [B]
A) 4720 B) 4725 C) 4730 D) 4750
143. Minimum horizontal distance from centre of track to any structure from rail level to 305mm above rail level in Tunnels, Through and semi through girder bridges is _____ m
A) 1600 B) 1705 C) 1905 D) 2135 [C]
144. Minimum horizontal distance from centre of track to any structure from 305 mm above rail level to 1065 mm above rail in Tunnels, Through and semi through girder bridges
A) 1905 mm increasing to 2360 mm B) 1905 mm increasing to 2135 mm
C) 1600 mm increasing to 2360 mm D) 1600 mm increasing to 2135 mm [A]
145. Minimum horizontal distance from centre of track to any structure from 1065 mm above rail level to 3355 mm above rail in Tunnels, Through and semi through girder bridges is _____ mm [A]
A) 2360 B) 2135 C) 2575 D) 2725
146. Minimum horizontal distance from centre of track to any structure from 3355 mm above rail level to 4420 mm above rail in Tunnels, Through and semi through girder bridges
A) 2360 mm decreasing to 2125 mm B) 2360 mm decreasing to 2135 mm
C) 2135 mm decreasing to 2125 mm D) 2135 mm decreasing to 2135 mm [B]
147. Minimum horizontal distance from centre of track to any structure from 4420 mm above rail level to 5870 mm above rail in Tunnels, Through and semi through girder bridges
A) 2135 mm decreasing to 1600 mm B) 2135 mm decreasing to 1905 mm
C) 2135 mm decreasing to 1675 mm D) 2135 mm decreasing to 915 mm [D]
148. Maximum distance apart of safety/Trolley refuge in tunnels [B]
A) 50mts B) 100mts C) 150mts D) 200mts
149. Maximum distance apart of safety/Trolley refuge on bridges with main spans of less than 100 Mts is _____ [C]
A) On every Pier B) 50 mts C) 100mts D) 200mts

150. Maximum distance apart of safety/Trolley refuge on bridges with main spans of more than 100 Mts is _____ [A]
 A) A refuge over every pier B) 50 mts C) 100mts D) 200 mts
151. In cuttings in curves trolley refuges should be provided at every _____ mts [D]
 A) 250 B) 200 C) 150 D) 100
152. In cuttings in straight track trolley refuges should be provided at every _____ mts [B]
 A) 250 B) 200 C) 150 D) 100
153. In high embankments trolley refuges should be provided at every _____ [C]
 A) 100 mts B) OHE mast C) 200 mts D) 250 mts
154. Maximum distance should not be more than _____ between trolley refuge in plain, straight track with clear visibility without embankments and cuttings [D]
 A) 250 mts B) 500 Mts C) 2 KM D) 1 KM
155. Gauge on Straight including curves of radius 350 Mts or more for new track is [C]
 A) - 3mm to +3mm (1673mm to 1679mm) B) -3mm to +3mm (1670mm to 1676mm)
 C) - 5mm to +3mm (1671mm to 1679mm) D) - 5mm to +3mm (1668mm to 1676mm)
156. Gauge for curves of radius less than 350 Mts for new track is _____ mm [A]
 A) up to 1686 B) up to 1683 C) up to 1691 D) up to 1688
157. Minimum distance centre to centre of straight tracks for existing works in station yards
 A) 4265mm B) 4625mm C) 4495mm D) 4725mm [A]
158. Minimum distance centre to centre of straight tracks for new works/additions to existing works in station yards [B]
 A) 4725mm B) 5300 mm C) 7800mm D) 4625mm
159. Recommended steepest gradient in station yards for New works & Alteration to Existing Works is [C]
 A) 1 in 1000 B) 1 in 400 C) 1 in 1200 D) 1 in 2000
160. Maximum Steepest gradient in station yards for New works & Alteration to Existing Works is [A]
 A) 1 in 400 B) 1 in 260 C) 1 in 100 D) 1 in 80
161. Maximum Steepest gradient in station yards for existing Works is [D]
 A) 1 in 80 B) 1 in 100 C) 1 in 260 D) 1 in 400
162. No station yard shall be constructed nor shall any siding join a passenger line on a grade steeper than [D]
 A) 1 in 80 B) 1 in 100 C) 1 in 260 D) 1 in 100
163. For new yards in new line projects deviation from recommended gradient requires approval of [C]
 A) CRS B) PCSO C) General Manager D) CCRS
164. The power of condonation for gradient steeper than 1 in 400 and up to 1 in 100 for existing works shall be General Manager [B]
 A) CRS B) PCSO C) DRM D) CCRS
165. The power of condonation for gradient steeper than 1 in 100 for existing works shall be Railway board through [D]
 A) CRS B) PCSO C) General Manager D) CCRS
166. The power of condonation for gradient steeper than 1 in 400 and up to 1 in 260 for New yards in new line projects shall be Commissioner of railway safety [A]

- A) CRS B) PCSO C) General manager D) CCRS
167. The power of condonation for gradient steeper than 1 in 260 for New yards in new line projects shall be [D]
- A) GM through CRS B) GM through PCSO
C) RB through CRS D) RB through CCRS
168. Station Yard means On single line to a distance of _____ beyond Stock Rail Joint of outermost points at either end of the station. [B]
- A) 30 meters B) 50 meters C) 45 meters D) 60 meters
169. Station Yard mean On double line where 2 aspect signalling is provided, from _____ of outermost points at the trailing end. [A]
- A) Home signal to a distance of 50 meters beyond Stock Rail Joint
B) Stock rail joints of outer most points C) Stock rail joint to last stop signal
D) 50 meters beyond Stock Rail Joint of outermost points at either end
170. Station Yard mean On double line where 2 aspect signalling is provided where there are no points on that line [C]
- A) From Block section limit board to first stop signal.
B) From Block section limit board to last stop signal.
C) From Home signal to last stop signal D) Stock rail joint to last stop signal
171. Station Yard mean On double line where multiple aspect signalling is provided, _____ of outermost points at either end of the station [D]
- A) To a distance of 25 meters beyond Stock Rail Joint
B) To a distance of 30 meters beyond Stock Rail Joint
C) To a distance of 40 meters beyond Stock Rail Joint
D) To a distance of 50 meters beyond Stock Rail Joint
172. No change in grades within _____ of points and crossings [C]
- A) 25 mts B) 20 mts C) 30 mts D) 50 mts
173. Station Yard mean On double line where multiple aspect signalling is provided where there are no points on that line [D]
- A) From home signal to last stop signal
B) From Block section limit board to first stop signal.
C) Stock rail joint to last stop signal
D) From Block Section Limit Board to last stop signal.
174. Maximum Horizontal distance from centre of track to face of passenger platform coping [B]
- A) 1675 mm B) 1680 mm C) 1670 mm D) 1905 mm
175. Minimum Horizontal distance from centre of track to face of passenger platform coping [C]
- A) 1675 mm B) 1680 mm C) 1670 mm D) 1905 mm
176. Maximum Horizontal distance from centre of track to face of goods platform coping [B]
- A) 1675 mm B) 1680 mm C) 1670 mm D) 1905 mm
177. Minimum Horizontal distance from centre of track to face of goods platform coping [A]
- A) 1670 mm B) 1680 mm C) 1675 mm D) 1905 mm
178. Maximum Horizontal distance from centre of track to face of any platform wall is [D]
- A) 1915 mm B) 119100 mm C) 1900 mm D) 1905 mm
179. Minimum Horizontal distance from centre of track to face of any platform wall is [C]
- A) 1665 mm B) 1670 mm C) 1675 mm D) 1680 mm

180. Maximum Height for high passenger platforms above rail level is [A]
 A) 840 mm B) 830 mm C) 820mm D) 900 mm
181. Minimum Height for high passenger platforms above rail level is [C]
 A) 840 mm B) 780 mm C) 760 mm D) 750 mm
182. Maximum Height for medium level passenger platforms above rail level is [D]
 A) 445 mm B) 440 mm C) 450 mm D) 455 mm
183. Maximum Height for goods platforms above rail level is [A]
 A) 1065mm B) 1295 mm C) 1070 mm D) 1290 mm
184. Maximum Height for goods platforms with horse and end loading above rail level is [B]
 A) 1065mm B) 1295 mm C) 1070 mm D) 1290 mm
185. The ends of all platforms (except end loading platforms) must be ramped to a slope of [A]
 A) 1 in 6 B) 1 in 5 C) 1 in 10 D) 1 in 7
186. From the face of the platform wall width of ramp shall not be less than [C]
 A) 2 mts B) 1.5 mts C) 1 mts D) 2.5 mts
187. No Passenger platform in case of new line would be constructed on a curve having radius less than [D]
 A) 1000 Mts B) 1166 Mts C) 1750 Mts D) 875 Mts
188. No passenger platform in case of new line would be constructed on a curve having Degree sharper than [D]
 A) 1° B) 1.5° C) 1.75° D) 2°
189. Minimum height of the sub urban passenger platform can be ____ with permission [A]
 A) 840 mm B) 900 mm C) 1000 mm D) 760 mm
190. Maximum height of the sub urban passenger platform can be ____ with permission [B]
 A) 840 mm B) 900 mm C) 1000 mm D) 760 mm
191. Height of sub urban platform more than 840 mm shall be permitted by [D]
 A) PCSO B) CRS C) CCRS D) GM
192. Minimum horizontal distance of any building on a passenger platform from centre line of track at platform level is [B]
 A) 5330 mm B) 5180 mm C) 4115 mm D) 3810 mm
193. Minimum horizontal distance of any building on a passenger platform from centre line of track: From platform level to 305mm above platform level is [C]
 A) 5180 mm increasing to 5300 mm B) 5170 mm increasing to 5330 mm
 C) 5180 mm increasing to 5330 mm D) 4115 mm increasing to 3810 mm
194. Minimum horizontal distance of any building on a passenger platform from centre line of track: From 305mm above platform level to 3430 above rail level [D]
 A) 5180 mm B) 5170 mm C) 5320 mm D) 5330 mm
195. Minimum horizontal distance of any building on a passenger platform from centre line of track: From 3430 above rail level to 4115 mm in case of existing works is [A]
 A) 5330 mm decreasing to 3810 mm B) 5320 mm decreasing to 3810 mm
 C) 4115 mm decreasing to 3810 mm D) 5330 mm decreasing to 4115 mm
196. Minimum horizontal distance of any building on a passenger platform from centre line of track: From 3430 above rail level to 4610 mm in case of New works or alterations to existing works is [D]
 A) 5330 mm decreasing to 4115 mm B) 5320 mm decreasing to 3810 mm
 C) 4115 mm decreasing to 3810 mm D) 5330 mm decreasing to 3810 mm

197. A structure is classified as pillar or column or isolated structure when it covers less than _____ cm² in plan [C]
 A) 3714 B) 3715 C) 3716 D) 3720
198. Minimum horizontal distance of any building or longitudinal boundary fence from the centre line of track of passenger platform which is not an island platform for new works or alterations to existing works is [B]
 A) 6820 mm B) 6830 mm C) 6850 mm D) 5300 mm
199. Recommended minimum horizontal distance of any building or longitudinal boundary fence from the centre line of track of passenger platform which is not an island platform for new works or alterations to existing works is [A]
 A) 12130 mm B) 12140 mm C) 12150 mm D) 12160 mm
200. Minimum horizontal distance of longitudinal boundary fence from the centre line of track of passenger platform which is not an island platform for new works or alterations to existing works at D,E,.F category stations is [D]
 A) 6820 mm B) 6830 mm C) 6850 mm D) 5300 mm
201. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a passenger platform at platform level is [C]
 A) 4720 mm B) 3810 mm C) 4570 mm D) 5300 mm
202. Minimum horizontal distance of Foot over bridge from the centre line of track of passenger platform which is not an island platform for new works or alterations to existing works at any stations is [D]
 A) 6820 mm B) 6830 mm C) 6850 mm D) 5300 mm
203. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a passenger platform From platform level to 305mm above platform level is [B]
 A) 3960 mm increasing to 4110 mm B) 4570 mm increasing to 4720 mm
 C) 4720 mm increasing to 4900 mm D) 5180 mm increasing to 5330 mm
204. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a passenger platform from 305mm above platform level to 3705 above rail level is [C]
 A) 5180 mm B) 5330 mm C) 4720 mm D) 4570 mm
205. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a passenger platform from 3705 to 4115 mm above rail level in existing works is [A]
 A) 4720 mm decreasing to 3810 mm B) 4570 mm decreasing to 3810 mm
 C) 4720 mm decreasing to 4570 mm D) 4720 mm decreasing to 4110 mm
206. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a passenger platform from 3705 to 4610 mm above rail level in New works or alterations to existing works is [C]
 A) 4570 mm decreasing to 4110 mm B) 4720 mm decreasing to 4110 mm
 C) 4720 mm decreasing to 3810 mm D) 4720 mm decreasing to 4570 mm
207. Minimum horizontal distance from centre line of track to a structure on a goods platform at platform level is [A]
 A) 4570 mm B) 4720 mm C) 4110 mm D) 3810 mm

208. Minimum horizontal distance from centre line of track to a structure on a goods platform at platform level From platform level to 305mm above platform level is [D]
 A) 4110 mm increasing to 4570 mm B) 4110 mm increasing to 4720 mm
 C) 3810 mm increasing to 3810 mm D) 4570 mm increasing to 4720 mm
209. Minimum horizontal distance from centre line of track to a structure on a goods platform at platform level from 305mm above platform level to 3705 above rail level is
 A) 4570 mm B) 4720 mm C) 4110 mm D) 3810 mm [B]
210. Minimum horizontal distance from centre line of track to a structure on a goods platform at platform level from 3705 to 4115 mm above rail level in existing works is
 A) 4570 mm decreasing to 4110 mm B) 4720 mm decreasing to 4110 mm
 C) 4720 mm decreasing to 3810 mm D) 4720 mm decreasing to 4570 mm [C]
211. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a goods platform from 305mm above platform level to 3980 above rail level for existing works is [A]
 A) 4110 mm B) 4570 mm C) 4720 mm D) 3960 mm
212. Minimum horizontal distance from centre line of track to a structure on a goods platform at platform level From 3705 to 4610 mm above rail level in New works or alterations to existing works is [A]
 A) 4720 mm decreasing to 3810 mm B) 4720 mm decreasing to 4110 mm
 C) 4570 mm decreasing to 3810 mm D) 4570 mm decreasing to 4110 mm
213. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a goods platform at platform level is [D]
 A) 4570 mm B) 4720 mm C) 3810 mm D) 3960 mm
214. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a goods platform from platform level to 305mm above platform level is [B]
 A) 4110 mm increasing to 4570 mm B) 3960 mm increasing to 4110 mm
 C) 3810 mm increasing to 4570 mm D) 4570 mm increasing to 4720 mm
215. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a goods platform from 305 mm above platform level to 4310 to above rail level for new works or alterations existing works is [A]
 A) 4110 mm B) 4570 mm C) 4720 mm D) 3960 mm
216. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a goods platform from 3980 to 4115 mm above rail level in existing works is [D]
 A) 4720 mm decreasing to 3810 mm B) 4720 mm decreasing to 4110 mm
 C) 4570 mm decreasing to 3810 mm D) 4110 mm decreasing to 3810 mm
217. Minimum horizontal distance from centre line of track to a pillar, column, lamp or similar isolated structure on a goods platform From 4310 to 4610 mm above rail level in New works or alterations to existing works is [A]
 A) 4110 mm decreasing to 3810 mm B) 4570 mm decreasing to 4720 mm
 C) 4110 mm decreasing to 4570 mm D) 4110 mm decreasing to 4720 mm
218. Minimum height above rail level for width of 1600 mm on either side of the centre of track, of tie rods or any continuous covering in a passenger station is [B]
 A) 5870 mm B) 6250 mm C) 6100 mm D) 5410 mm

219. Minimum height above rail level for width of 1370 mm on either side of the centre of track, of tie rods or any continuous covering in a passenger station where 25KV AC is not in use is [C]
 A) 5870 mm B) 6250 mm C) 6100 mm D) 5410 mm
220. Minimum height above rail level for a width of 1600 mm on either side of central line of track, of a foot over bridge or a signal gantry in a passenger station is [A]
 A) 6250 mm B) 6100 mm C) 5870 mm D) 5410 mm
221. Minimum height above rail level for a width of 1600 mm on either side of central line of track, of a foot over bridge or a signal gantry in a passenger station where DC traction is in use is [D]
 A) 6250 mm B) 6100 mm C) 5870 mm D) 5410 mm
222. Minimum height above rail level for a width of 1600 mm on either side of central line of track, of a foot over bridge or a signal gantry in a passenger station where 25 KV AC traction is in use for light overhead bridges (FOB) is [B]
 A) 6100 mm B) 6250 mm C) 5410 mm D) 5870 mm
223. Minimum height above rail level for a width of 1600 mm on either side of central line of track, of a foot over bridge or a signal gantry in a passenger station where 25 KV AC traction is in use for heavy over head bridges (FOB) is [D]
 A) 6100 mm B) 6250 mm C) 5410 mm D) 5870 mm
224. In station yards Minimum, horizontal distance from centre of track to any structure for existing works from rail level to 305mm above rail level is [B]
 A) 1670 mm B) 1675 mm C) 1680 mm D) 2135 mm
225. In station yards Minimum, horizontal distance from centre of track to any structure for existing works from 305 mm rail level to 3355 mm above rail level is [C]
 A) 1680 mm B) 1675 mm C) 2135 mm D) 2360 mm
226. In station yards Minimum, horizontal distance from centre of track to any structure for existing works from 3355 mm rail level to 4115 mm above rail level is [A]
 A) 2135 mm decreasing to 1980 mm B) 2360 mm decreasing to 1600 mm
 C) 2135 mm decreasing to 1600 mm D) 2360 mm decreasing to 1980 mm
227. In station yards Minimum, horizontal distance from centre of track to any structure for existing works from 4115 mm rail level to 6250 mm above rail level is [C]
 A) 1680 mm B) 1675 mm C) 1600 mm D) 1980 mm
228. In station yards Minimum, horizontal distance from centre of track to any structure for existing works from 4115 mm rail level to 6100 mm above rail level On lines other than main lines or existing main lines where electric traction is not likely to be introduced is [A]
 A) 1370 mm B) 1600 mm C) 1905 mm D) 1980 mm
229. In station yards Minimum, horizontal distance from centre of track to any structure for New works or alterations to existing works from rail level to 305mm above rail level is [C]
 A) 1370 mm B) 1600 mm C) 1905mm D) 1980 mm
230. In station yards Minimum, horizontal distance from centre of track to any structure for New works or alterations to existing works from 305 mm to 1065 mm above rail level is [C]
 A) 2135 mm increasing to 2360 mm B) 1980 mm increasing to 2135 mm
 C) 1905 mm increasing to 2360 mm D) 1905 mm increasing to 1980 mm

231. In station yards Minimum, horizontal distance from centre of track to any structure for New works or alterations to existing works from 1065 mm to 3735 mm above rail level is
A) 2135 mm B) 2360 mm C) 1905mm D) 2575 mm [B]
232. In station yards, Minimum horizontal distance from centre of track to any structure for New works or alterations to existing works from 3735 mm to 4420 mm above rail level is
A) 2575 mm decreasing to 2135 mm B) 2360 mm increasing to 2135mm
C) 2360 mm decreasing to 1980mm D) 2360 mm decreasing to 2135 mm [D]
233. Minimum clearance between toe of open switch and stock rail for existing works is
A) 115 mm B) 118 mm C) 112 mm D) 95 mm [D]
234. In station yards, Minimum horizontal distance from centre of track to any structure for New works or alterations to existing works from 4420 mm to 4610 mm above rail level is
A) 2575 mm decreasing to 2135 mm B) 2725 mm decreasing to 2575mm
C) 2135 mm decreasing to 1980mm D) 2360 mm decreasing to 2135 mm [C]
235. In station yards Minimum, horizontal distance from centre of track to any structure for New works or alterations to existing works from 4610 mm to 6250 mm above rail level is
A) 1980 mm B) 1605 mm C) 1905 mm D) 1600 mm [D]
236. In station yards Minimum, horizontal distance from centre of track to any structure for New works or alterations to existing works Below the rail level and up to formation level of the track on straight and curves up to radius of 875m is
A) 2725 mm B) 2775 mm C) 2575 mm D) 2645 mm [C]
237. In station yards Minimum, horizontal distance from centre of track to any structure or New works or alterations to existing works Below the rail level and up to formation level of the track on curves with radius less than 875m is
A) 2725 mm B) 2775 mm C) 2575 mm D) 2645 mm [A]
238. In case of turnouts laid with 1673 mm gauge maximum clearance of wing rail at nose of crossings
A) 45 mm B) 41 mm C) 38 mm D) 44 mm [A]
239. In case of turnouts laid with 1673 mm gauge minimum clearance of wing rail at nose of crossings
A) 45 mm B) 41 mm C) 38 mm D) 44 mm [B]
240. In over riding minimum clearance between toe of open switch and stock rail for New works or alterations to existing works is
A) 115 mm B) 118 mm C) 160 mm D) 112 mm [A]
241. Minimum radius of curvature for slip points, turnouts of crossover roads is
A) 350 mts B) 220 mts C) 218 mts D) 290 mts [C]
242. Maximum degree of curve permitted for slip points, turnouts of crossover roads is
A) 8° B) 10° C) 5° D) 4° [A]
243. Minimum angles of crossing permitted is
A) 1 in 8.5 B) 1 in 12 C) 1 in 16 D) 1 in 20 [C]
244. Diamond crossings not to be flatter than
A) 1 in 8.5 B) 1 in 12 C) 1 in 16 D) 1 in 20 [A]
245. Minimum length of tongue rail shall be
A) 7620 mm B) 11360 mm C) 12480 mm D) 3660 mm [D]
246. Minimum length of train protection, point locking or fouling treadle bar shall be [D]

- A) 7620 mm B) 11360 mm C) 12480 mm D) 12800 mm
247. Curves of contrary flexure The equilibrium super-elevation [A]
 A) $C = GV^2/127R$ B) $C = GV/127R$ C) $C = GV^2/R$ D) $C = GV^2/136R$
248. The permissible negative super-elevation on the turnout of contrary flexure is [A]
 A) (75-C) mm B) (65-C) mm C) (100-C) mm D) (114-C) mm
249. Minimum clear available length of one siding at any station where it is intended to cross trains shall be [B]
 A) length of the longest train permitted in the section plus 30m.
 B) length of the longest train permitted in the section plus 35m.
 C) length of the longest train permitted in the section plus 40m.
 D) length of the longest train permitted in the section plus 50m.
250. Minimum Clear Available Length of one siding for new works or Alteration to the existing Works On sections of the railway where the ruling gradients is flatter than 1 in 100 is
 A) 680 mts B) 700 mts D) 745 mts D) 750 mts [D]
251. Minimum Clear Available Length of one siding for new works or Alteration to the Existing Works On sections of the railway where the ruling gradients is steeper than 1 in 100 is
 A) length of the longest train permitted in the section plus 30m.
 B) length of the longest train permitted in the section plus 35m.
 C) length of the longest train permitted in the section plus 40m.
 D) length of the longest train permitted in the section plus 50m. [B]
252. Spacing of tracks for Existing works in mid-section [D]
 A) 4495 mm B) 4725 mm C) 4625 mm D) 4265 mm
253. Spacing of tracks for New works [C]
 A) 7500 mm B) 7800 mm C) 5300 mm D) 5200 mm
254. Minimum radius of curve that can be permitted [B]
 A) 218 mts B) 175 mts C) 220 mts D) 350 mts
255. Minimum Degree of curve that can be permitted [A]
 A) 10° B) 8° C) 9° D) 6°
256. Minimum clearance of check rail for a curve [A]
 A) 44 mm B) 41 mm C) 45 mm D) 48 mm
257. Check rails to be provided in curves where the radius is [B]
 A) 220 mts or less B) 218 mts or less C) 175 mts D) 350 mts or less
258. Check rails to be provided in curves where the Degree is [B]
 A) 5° or More B) 8° or More C) 6° or More D) 10°
259. Minimum clearance of check rail at a level crossing [D]
 A) 48 mm B) 57 mm C) 45 mm D) 51 mm
260. Maximum clearance of check rail at a level crossing [B]
 A) 51 mm B) 57 mm C) 45 mm D) 48 mm
261. Minimum depth of space for wheel flange from rail level [C]
 A) 28.5 mm B) 35 mm C) 38 mm D) 36 mm
262. In mid-section Minimum horizontal distance from centre of track to any structure from rail level to 305mm above rail level for Existing works [B]
 A) 1670 mm B) 1675 mm C) 1680 mm D) 2135 mm
263. In mid-section Minimum horizontal distance from centre of track to any structure except a platform from 305 mm above rail level to 4420 mm above rail for Existing works

- A) 2360 mm B) 1905 mm C) 2340 mm D) 2135 mm [D]
264. In mid-section Minimum horizontal distance from centre of track to any structure from rail level to 305mm above rail level for New works or alterations to existing works
- A) 1680 mm B) 1675 mm C) 1905 mm D) 2135 mm [C]
265. In mid-section Minimum horizontal distance from centre of track to any structure except a platform from 305 mm above rail level to 1065 mm above rail for New works or alterations to Existing works [C]
- A) 2135 mm increasing to 2360 mm B) 1980 mm increasing to 2135 mm
C) 1905 mm increasing to 2360 mm D) 1905 mm increasing to 1980 mm
266. In mid-section Minimum horizontal distance from centre of track to any structure except a platform from 1065 mm above rail level to 3355 mm above rail for New works or alterations to Existing works [D]
- A) 2135 mm B) 2255 mm C) 2575 mm D) 2360 mm
267. In mid-section Minimum horizontal distance from centre of track to any structure except a platform from 3355 mm above rail level to 4420 mm above rail for New works or alterations to Existing works [D]
- A) 2575 mm decreasing to 2135 mm B) 2360 mm decreasing to 2135mm
C) 2360 mm decreasing to 1980mm D) 2360 mm decreasing to 2135 mm
268. In mid-section Minimum horizontal distance from centre of track to any structure except a platform from 4420 mm above rail level to 5870 mm above rail for New works or alterations to Existing works [A]
- A) 2135 mm decreasing to 915 mm B) 2135mm decreasing to 1980 mm
C) 2360 mm decreasing to 1905 mm D) 2360 mm decreasing to 1980 mm
269. In mid-section Minimum horizontal distance from centre of track to any structure except a platform Below the rail level up to the formation level of the track on straight and curves up to radius of 875m [C]
- A) 2135 mm B) 2725 mm C) 2575 mm D) 2360 mm
270. In mid-section Minimum horizontal distance from centre of track to any structure except a platform Below the rail level up to the formation level of the track on curves radius less than 875m [B]
- A) 2135 mm B) 2725 mm C) 2575 mm D) 2360 mm
271. Minimum height above rail level for a distance of 915mm on either side of the centre of track for overhead structures [A]
- A) 4875 mm B) 5410 mm C) 5870 mm D) 6100 mm
272. Minimum horizontal distance of any telegraph post measured from the centre of and at right angles to the nearest track for Existing works [A]
- A) Height of the post + 2135 mm B) Height of the post + 2360 mm
C) Height of the post + 6000 mm D) Height of the post + 3000 mm
273. Minimum horizontal distance of any telegraph post measured from the centre of and at right angles to the nearest track for New works or Alterations to existing works [B]
- A) Height of the post + 2135 mm B) Height of the post + 2360 mm
C) Height of the post + 6000 mm D) Height of the post + 3000 mm
274. When the line is in cutting a telegraph post erected outside the cutting, must be at a distance from the edge of the cutting not less than the [C]
- A) Total Height of the post + 2135 mm B) Total Height of the post + 2360 mm

- A) 18060 mm B) 18050 mm C) 18045 mm D) 18030 mm
287. Minimum Clearance from rail level to New power line crossings up to and including 11KV in Electrified territory [A]
 A) Normally under ground cable
 B) Minimum clearance between highest Traction Conductor and lowest Transmission line crossing conductor – 2440 mm
 C) Minimum clearance between highest Traction Conductor and lowest Transmission line crossing conductor – 3050 mm
 D) Minimum clearance between highest Traction Conductor and lowest Transmission line crossing conductor – 4580 mm
288. Minimum Clearance from rail level to New power line crossings above 11KV and up to 33KV in Electrified territory [D]
 A) 14440 mm B) 14430 mm C) 14450 mm D) 14460 mm
289. Minimum Clearance from rail level to New power line crossings above 33KV and up to 66KV in Electrified territory [A]
 A) 14960 mm B) 14950 mm C) 14930 mm D) 14920 mm
290. Minimum Clearance from rail level to New power line crossings above 66KV and up to 132KV in Electrified territory [C]
 A) 15540 mm B) 15550 mm C) 15560 mm D) 15570 mm
291. Minimum Clearance from rail level to New power line crossings above 132KV and up to 220KV in Electrified territory [D]
 A) 16450 mm B) 16455 mm C) 16465 mm D) 16460 mm
292. Minimum Clearance from rail level to New power line crossings above 220KV and up to 400KV in Electrified territory [B]
 A) 18230 mm B) 18260 mm C) 18250 mm D) 18255 mm
293. Minimum Clearance from rail level to New power line crossings above 400KV and up to 500KV in Electrified territory [B]
 A) 19170 mm B) 19160 mm C) 19150 mm D) 19140 mm
294. Minimum Clearance from rail level to New power line crossings above 500KV and up to 800KV in Electrified territory [A]
 A) 21860 mm B) 21870 mm C) 21880 mm D) 21890 mm
295. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 11KV and up to 33 KV [C]
 A) 2360 mm B) 2400 mm C) 2440 mm D) 2450 mm
296. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 33KV and up to 66KV [B]
 A) 2360 mm B) 2440 mm C) 2000 mm D) 2450 mm
297. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 66KV and up to 132KV [D]
 A) 3200 mm B) 3150 mm C) 3100 mm D) 3050 mm
298. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 132KV and up to 220KV [C]
 A) 4500 mm B) 4570 mm C) 4580 mm D) 4600 mm
299. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 220KV and up to 400KV [A]

- A) 5490 mm B) 5500 mm C) 5510 mm D) 5520 mm
300. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 400KV and up to 500KV [B]
- A) 7930 mm B) 7940 mm C) 7950 mm D) 7960 mm
301. Minimum Clearance Between Highest Traction Conductor and lowest transmission Line Crossing Conductor above 500KV and up to 800KV [B]
- A) 7930 mm B) 7940 mm C) 7950 mm D) 7960 mm
302. Minimum height above rail level for telegraph, telephone and other such low tension wires crossing a railway [A]
- A) 6100 mm B) 6250 mm C) 5870 mm D) 6000 mm
303. Minimum horizontal distance measured at right-angle to, and from the centre of nearest track to any part of the structure above ground level, carrying electrical conductor crossing a railway line for existing rigid well founded structure/post shall be [A]
- A) 3M or 1.5M away from the toe of embankment/Top of cutting whichever is more
B) 3M or 2.5M away from the toe of embankment/Top of cutting whichever is more
C) 3M or 1.0M away from the toe of embankment/Top of cutting whichever is more
D) 3M or 1.5M away from the toe of embankment/Top of cutting whichever is less
304. Minimum distance of centre to centre of track in Tunnels, Through and semi through girder bridges for Existing works [B]
- A) 4265 mm B) 4495 mm C) 4725mm D) 5300 mm
305. Minimum distance of centre to centre of track in Tunnels, Through and semi through girder bridges for New works and alterations to existing works [C]
- A) 4265 mm B) 4495 mm C) 4725mm D) 5300 mm
306. Minimum horizontal distance from centre of track to any structure from rail level to 305mm above rail level in Tunnels, Through and semi through girder bridges [D]
- A) 918 mm B) 1675 mm C) 1600 mm D) 1905 mm
307. Minimum horizontal distance from centre of track to any structure from 305 mm above rail level to 1065 mm above rail in Tunnels, Through and semi through girder bridges [C]
- A) 2135 mm increasing to 2360 mm B) 1980 mm increasing to 2135 mm
C) 1905 mm increasing to 2360 mm D) 1905 mm increasing to 1980 mm
308. Minimum horizontal distance from centre of track to any structure from 1065 mm above rail level to 3355 mm above rail in Tunnels, Through and semi through girder bridges
- A) 2725 mm B) 2135 mm C) 2360 mm D) 2575 mm [C]
309. Minimum horizontal distance from centre of track to any structure from 3355 mm above rail level to 4420 mm above rail in Tunnels, Through and semi through girder bridges
- A) 2575 mm decreasing to 2135 mm B) 2360 mm decreasing to 2135mm
C) 2360 mm decreasing to 1980mm D) 2360 mm decreasing to 2135 mm [D]
310. Minimum horizontal distance from centre of track to any structure from 4420 mm above rail level to 5870 mm above rail in Tunnels, Through and semi through girder bridges
- A) 2135 mm decreasing to 915 mm B) 2135mm decreasing to 1980 mm
C) 2360 mm decreasing to 1905 mm D) 2360 mm decreasing to 1980 mm [A]
311. Maximum distance apart of safety/Trolley refuge in tunnels [C]
- A) 200 mts B) 150 mts C) 100 mts D) 250 mts
312. Maximum distance apart of safety/Trolley refuge on bridges with main spans of less than 100 Mts is at every [D]

- A) 250 mts B) 200 mts C) 150 mts D) 100 mts
313. Maximum distance apart of safety/Trolley refuge on bridges with main spans of more than 100 Mts is a refuge [D]
- A) at every 100 mts B) at every 50 mts C) over every abutment D) over every pier
314. In cuttings in curves trolley refuges should be provided at every [D]
- A) 250 mts B) 200 mts C) 150 mts D) 100 mts
315. In cuttings in straight track trolley refuges should be provided at every [B]
- A) 250 mts B) 200 mts C) 150 mts D) 100 mts
316. In high embankments trolley refuges should be provided at every [B]
- A) 250 mts B) 200 mts C) 150 mts D) 100 mts
317. Maximum distance should not be more than ____ between trolley refuge in plain, straight track with clear visibility without embankments and cuttings [A]
- A) 1KM B) ½ KM C) 200 mts D) 500 mts
318. Formation width in embankment for single line straight track in existing works [D]
- A) 6250 mts B) 6100 mts C) 6750 mts D) 6850 mts
319. Formation width in cuttings (excluding side drains) for single line straight track in existing works [A]
- A) 6250 mts B) 6100 mts C) 6300 mts D) 6150 mts
320. Formation width in embankment for double line straight track in existing works [A]
- A) 12150 mts B) 12100 mts C) 13160 mts D) 13150 mts
321. Formation width in cuttings (excluding side drains) for double line straight track in existing works [B]
- A) 11500 mts B) 11550 mts C) 11600 mts D) 11450 mts
322. Formation width in embankment for single line straight track in new works [C]
- A) 7800 mts B) 7830 mts C) 7850 mts D) 7840 mts
323. Formation width in cuttings (excluding side drains) for single line straight track in new works [C]
- A) 13180 mts B) 13170 mts C) 13160 mts D) 13150 mts
324. Formation width in embankment for double line straight track in new works [C]
- A) 7800 mts B) 7830 mts C) 7850 mts D) 7840 mts
325. Formation width in cuttings (excluding side drains) for double line straight track in new works [C]
- A) 13180 mts B) 13170 mts C) 13160 mts D) 13150 mts
326. For running EMU and other 3660 mm stock minimum Horizontal Distance from centre of track to any structure from 1065 mm above rail level to 3355mm above rail level for existing works is [A]
- A) 2360 mm B) 2135 mm C) 1905 mm D) 1600 mm
327. For running EMU and other 3660 mm stock minimum Horizontal Distance from centre of track to any structure from rail level to 305mm above rail level for existing works is [C]
- A) 2360 mm B) 2135 mm C) 1905 mm D) 1600 mm
328. For running EMU and other 3660 mm stock minimum distance centre to centre on straight tracks for new works/addition to existing works is [B]
- A) 7800 mm B) 5300 mm C) 4495 mm D) 4725 mm

329. For running EMU and other 3660 mm stock minimum distance centre to centre on straight tracks for existing works is [C]
 A) 7800 mm B) 5300 mm C) 4495 mm D) 4725 mm
330. In calculating the extra allowance to be provided between a curved platform and the foot board, a reduction of these extra allowance has been made of _____ on the outside of curve. [D]
 A) 45 mm B) 35 mm C) 51 mm D) 25 mm
331. In calculating the extra allowance to be provided between a curved platform and the foot board, a reduction of these extra allowance has been made of _____ on the inside of curve. [C]
 A) 25 mm B) 57 mm C) 51 mm D) 68 mm
332. The clearance provided between a vehicle (i.e. the foot boards) and the platform coping on the straight is [A]
 A) 152 mm B) 127 mm C) 115 mm D) 107 mm
333. Minimum height above rail level of doorways for a width of 1370mm on either side of centre of track in both workshops and running sheds Where electric traction is likely to be used is [C]
 A) 6100 mm B) 6200 mm C) 6250 mm D) 6150 mm
334. Minimum height above rail level of doorways for a width of 1370mm on either side of centre of track in both workshops and running sheds Where electric traction is not likely to be used is [A]
 A) 4875 mm B) 5300 mm C) 5870 mm D) 5100 mm
335. Minimum height above rail level to overhead tie bars, girders etc. in workshops and running sheds Where electric traction is likely to be used is [B]
 A) 6200 mm B) 6250 mm C) 6100 mm D) 6150 mm
336. Minimum height above rail level to overhead tie bars, girders etc. in workshops and running sheds Where electric traction is not likely to be used is [A]
 A) 5030 mm B) 5130 mm C) 5230 mm D) 5170 mm
337. In running sheds minimum clear distance, for a height of 1830 mm above rail level, from centre of track to any continuous structure is [D]
 A) 4495 mm B) 3255 mm C) 3265 mm D) 3275 mm
338. In workshops minimum clear distance, for a height of 1830 mm above rail level, from centre of track to any continuous structure is [C]
 A) 2655 mm B) 2755 mm C) 2745 mm D) 2645 mm
339. In running sheds minimum clear distance from centre of track to any isolated structure such as a pillar is [B]
 A) 2415 mm B) 2515 mm C) 2615 mm D) 2715 mm
340. In workshops minimum clear distance from centre of track to any isolated structure such as a pillar for new works or alteration to existing works is [D]
 A) 2135 mm B) 2235 mm C) 2560 mm D) 2360 mm
341. In workshops minimum clear distance from centre of track to any isolated structure such as a pillar for existing works is [A]
 A) 2285 mm B) 2275 mm C) 2265 mm D) 2285 mm
342. Average depth for ash pits in station yards, pits in running sheds, carriage examination pits is [B]

- A) 800 mm B) 760 mm C) 840 mm D) 900 mm
343. In running sheds minimum distance from centre to centre of tracks for new works or alteration to existing works is [D]
- A) 5300 mm B) 5200 mm C) 5100 mm D) 5260 mm
344. In workshops minimum distance from centre to centre of tracks for new works or alteration to existing works is [C]
- A) 4875 mm B) 5100 mm C) 4570 mm D) 5300 mm
345. In workshops and running sheds minimum distance from centre to centre of tracks for existing works is [C]
- A) 4875 mm B) 5100 mm C) 4570 mm D) 5300 mm
346. Where double/triple stack container are plying minimum Clearances from Rail Level to new Power Line Crossing or Crossing Planned For Alteration for above 11kV & up to 33kV is [B]
- A) 16670 mm B) 16660 mm C) 16640 mm D) 16650 mm
347. Maximum variation in alignment of the live Conductor Wire on either side of the centre line of track under static condition on curved track is [A]
- A) 300 mm B) 310 mm C) 320 mm D) 305 mm
348. Maximum variation in alignment of the live Conductor Wire on either side of the centre line of track under static condition on straight track is [D]
- A) 215 mm B) 210 mm C) 205 mm D) 200 mm
349. Maximum width of Pantograph Collector [B]
- A) 2040 mm B) 2030 mm C) 2020 mm D) 2010 mm
350. Where double/triple stack container having maximum height of 6809 mm/6827mm are plying Minimum height of Overhead structure above rail level for a distance of 1600mm on either side of the centre of track for heavy over head structures is [C]
- A) 7850 mm B) 7860 mm C) 7870 mm D) 7880 mm
351. Where double/triple stack container having maximum height of 6809 mm/6827mm are plying Minimum height of Overhead structure above rail level for a distance of 1600mm on either side of the centre of track for light over head structures is [A]
- A) 8250 mm B) 8240 mm C) 8230 mm D) 8220 mm
352. Where double/triple stack container having maximum height of 6809 mm/6827mm are plying minimum height from rail level to the underside of contact wire in open [D]
- A) 7215 mm B) 7205 mm C) 7210 mm D) 7220 mm
353. In electric traction 25KV A.C area minimum height from rail level to the underside of contact wire in Running and Carriage Sheds is [C]
- A) 7809 mm B) 4800 mm C) 5800 mm D) 5500 mm
354. In electric traction 25KV A.C area minimum height from rail level to the underside of contact wire in at Level crossings is [D]
- A) 7809 mm B) 4800 mm C) 5800 mm D) 5500 mm
355. In electric traction 25KV A.C area minimum height from rail level to the underside of contact wire in open is [D]
- A) 7809 mm B) 4800 mm C) 5800 mm D) 5500 mm
356. In electric traction 25KV A.C area minimum height from rail level to the underside of contact wire in under Bridges and in Tunnels is [B]

- A) 7809 mm B) 4800 mm C) 5800 mm D) 5500 mm
357. For track machine minimum height above rail level, when fully loaded at 1525 mm From centre of track is [C]
A) 315 mm B) 300 mm C) 305 mm D) 310 mm
358. For track machine maximum height above rail level at sides of unloaded vehicles is [A]
A) 3735 mm B) 3740mm C) 3745 mm D) 3750 mm
359. For track machine maximum height above rail level for a width of 1015mm on either side of the centre of unloaded vehicles is [D]
A) 4250 mm B) 4260 mm C) 4270 mm D) 4265 mm
360. For track machine maximum width over open doors, including all projections for vehicles is [D]
A) 4250 mm B) 4260 mm C) 4270 mm D) 4265 mm
361. For track machine maximum width over all projection from 1082mm above rail level, to 1170mm above rail level, when fully loaded is [A]
A) 3150mm increasing gradually to 3250mm
B) 3100mm increasing gradually to 3200mm
C) 3175mm increasing gradually to 3250mm
D) 3175mm increasing gradually to 3200mm
362. For track machine maximum width over all projection from 940mm above rail level to 1082mm above rail level, when fully loaded is [D]
A) 3150mm increasing gradually to 3250mm
B) 3100mm increasing gradually to 3150mm
C) 3050mm increasing gradually to 3250mm
D) 3050mm increasing gradually to 3150mm
363. For track machine maximum width over all projections from 305mm above rail level, to 940mm above rail level, when fully loaded is [B]
A) 3060 mm B) 3050 mm C) 3070 mm D) 3100 mm
364. For track machine maximum width over all projections, at 305mm above rail level, when fully loaded is [A]
A) 3050 mm B) 3060 mm C) 3070 mm D) 3080 mm
365. For track machine maximum width over all projections at 91mm above rail level, when fully loaded is [C]
A) 2420 mm B) 2430 mm C) 2440 mm D) 2450 mm
366. For track machine maximum distance apart between any two adjacent axles [D]
A) 14780 mm B) 14785 mm C) 14160 mm D) 14170 mm
367. For track machine maximum distance apart of bogie centres for bogie vehicles [C]
A) 15980 mm B) 15990 mm C) 16000 mm D) 16010 mm
368. For track machine minimum distance apart of bogie centres for bogie vehicles [B]
A) 5300 mm B) 5400 mm C) 5500 mm D) 5600 mm
369. For track machine minimum height above rail level for centres of buffers & CBC couplers _____ when fully loaded [A]
A) 1030 mm B) 1040 mm C) 1050 mm D) 1020 mm
370. For track machine maximum height above rail level for centres of buffers & CBC couplers _____ for unloaded vehicle [D]
A) 1085 mm B) 1095 mm C) 1110 mm D) 1105 mm

371. For track machine minimum height above rail level for floor of any fully loaded vehicle
A) 1140 mm B) 1130 mm C) 1145 mm D) 1150 mm [C]
372. For track machine maximum height above rail level for floor of unloaded vehicle [B]
A) 2095 mm B) 2100mm C) 2115 mm D) 2120 mm
373. Maximum diameter on the tread of new locomotive carrying wheels measured at 63.5mm from wheel gauge face is [A]
A) 1250 mm B) 1240 mm C) 1230 mm D) 1220 mm
374. Minimum diameter on the tread of new locomotive carrying wheels measured at 63.5mm from wheel gauge face is [D]
A) 894 mm B) 900 mm C) 910 mm D) 914 mm
375. For track machine maximum thickness of flange of tyre, measured from wheel gauge _____ face at 13mm from outer edge of flange [A]
A) 32 mm B) 28.5 mm C) 29.4mm D) 30.4 mm
376. For track machine maximum projection for flange of worn tyre, measured from tread _____ at 63.5mm from wheel gauge face [D]
A) 32 mm B) 28.5 mm C) 38 mm D) 35 mm
377. For track machine minimum projection for flange of New tyre, measured from tread _____ at 63.5mm from wheel gauge face [A]
A) 27.5 mm B) 28.5 mm C) 30.5 mm D) 29.5
378. For track machine minimum diameter on the tread of new carriage or wagon wheel, measured at 63.5 mm from wheel gauge face [C]
A) 914 mm B) 918 mm C) 730 mm D) 830 mm
379. Maximum diameter on the tread of new carriage or wagon wheel, measured at 63.5 mm from wheel gauge face [B]
A) 1090 mm B) 1092 mm C) 918 mm D) 1094 mm

**ACTION DURING ACCIDENTS INCLUDING BREACHES AND PRE-MONSOON
PRECAUTIONARY MEASURES**

380. Accident is an occurrence in the course of working of railway which does or may affect the safety of the railways including [D]
A) Engine & Rolling stock B) Passenger/Rly servants
C) P.Way and Works D) all the above
381. An accident is termed as serious when a train is carrying passengers which is attended
A) With a loss of life B) With grievous hurt to passengers
C) With damage to railway property more than Rs.2 crores D) all the above [D]
382. Train passing a Signal at danger constitutes [A]
A) a train passing a fixed stop signal B) automatic stop signal
C) IB Signal D) gate stop signal
383. If an accident occurs due to failure of P.Way is termed as [B]
A) Class J B) Class K C) Class L D) Class M
384. If an accident occurs due to failure of Locomotive and Rolling stock is termed as [A]
A) Class J B) Class K C) Class L D) Class M
385. If an accident occurs due to failure of Signal & Tele communication is termed as [D]
A) Class J B) Class K C) Class L D) Class M
386. If an accident occurs due to failure of Electrical Equipment is termed as [C]
A) Class J B) Class K C) Class L D) Class M
387. Attempted train wrecking or train wrecking, is classified as [A]
A) Class N B) Class P C) Class Q D) Class R
388. Bomb Blast or explosion is classified as [A]
A) Class N B) Class P C) Class Q D) Class R
389. Hijacking is classified as [A]
A) Class N B) Class P C) Class Q D) Class R
390. sabotage is classified as [A]
A) Class N B) Class P C) Class Q D) Class R
391. Incident of persons falling out of train is classified as [B]
A) Class N B) Class P C) Class Q D) Class R
392. Incident of persons run over by train is classified as [B]
A) Class N B) Class P C) Class Q D) Class R
393. Vehicles running away is classified as [D]
A) Class N B) Class P C) Class Q D) Class R
394. Train running over cattle is classified as [D]
A) Class N B) Class P C) Class Q D) Class R
395. Floods/breaches and land slides is classified as [D]
A) Class N B) Class P C) Class Q D) Class R
396. When a train enters or is received on a wrong line at a station is called [D]
A) Averted collision B) Unusual incident C) train passing at danger D) breach of rules
397. A circumstance under which, but for the vigilance shown by any person or persons, a collision would have occurred is called [A]
A) Averted collision B) Unusual incident C) train passing at danger D) breach of rules
398. When a train enters catch/slip siding is called [D]

399. When a train enters sand hump is called [D]
 A) Averted collision B) Unusual incident C) train passing at danger D) breach of rules
400. When a train enters a block section without any authority to proceed [D]
 A) Averted collision B) Unusual incident C) train passing at danger D) breach of rules
401. For statistical purposes accidents have been classified in categories from [A]
 A) 'A to 'R' excluding 'I' & 'O' B) 'A to 'R' excluding 'J' & 'K'
 C) 'A to 'R' excluding 'M' & 'N' D) 'A to 'R' excluding 'C' & 'D'
402. All engineering officials after reaching the accident site shall report to [A]
 A) senior most officer at site B) Junior most officer at site
 C) need not report to any body D) None of the these
403. Non participation by railway staff in accident relief operations will be considered as [B]
 A) Absent from duty B) Dereliction of duty C) on leave D) none of these
404. Safeguard and preserve clues till police or RPF personnel arrive at accident site and take charge is the duty of [C]
 A) Commercial staff B) Mechanical/B.D staff
 C) Engineering staff D) S&T Staff
405. Seal Block instruments relay rooms and note position of levers, knob, slide indications is the duty of [D]
 A) Commercial staff B) Mechanical/B.D staff C) Engineering staff D) S&T Staff
406. An engineering official, if he is the first to reach accident site he shall report to [B]
 A) principal Chief Engineer B) nearest station master C) to GM D) to DRM
407. The station master after receiving the details of a train accident from the officer at accident site shall [A]
 A) issue all concerned message B) inform to GM
 C) inform to Rly Board D) None of these
408. On arrival at the accident site _____ team will take charge of the location where evidence of clues are available [C]
 A) Break Down B) Engineering C) Safety D) None of these
409. For investigation of train derailments one of vital activity at accident site is [A]
 A) Careful observation of Clues B) Opinion of Chief Track engineer
 C) Opinion of PCE D) opinion of GM
410. For investigation of train derailments one of vital activity is careful observation of, [C]
 A) Record of rolling stock parameters B) Record of track parameters
 C) Both 'A' & 'B' D) none of these
411. The joint measurement to be submitted by Senior Supervisor shall not be complete till [C]
 A) All Measurements of Rolling stock B) All Measurements of Track
 C) Both A&B D) None of these
412. In case of derailment of passenger train causing injuries to the passengers, video recording of the concerned part of track and rolling stock shall be carried out by [A]
 A) Nominated ART Personnel B) Nominated Commercial personnel
 C) Nominated Operating personnel D) None of these
413. M&C Report from RDSO is must in case accident is attributed to [D]
 A) Breakage of track components B) breakage of components of rolling stock
 C) Other than breakage of components D) both 'A' & 'B'

414. WILD data means _____ impact load detector data [A]
 A) Wheel B) Wagon C) Weld D) None of these
415. Engineering staff available at accident site should assist guard and driver in ensuring protection of train in single line in [A]
 A) Front and rear B) in rear only C) in front only D) not required
416. No.of hooters to be sounded when an accident takes place in the loco shed or traffic yard adjoining the loco shed [B]
 A) 3 long B) 2 long C) 2 long and 1 short D) 1 long 1 short
417. No.of hooters to be sounded when an accident takes place at an out station but main line is clear - ART to be moved [A]
 A) 3 long B) 2 long C) 2 long and 1 short D) 1 long 1 short
418. No.of hooters to be sounded when an accident takes place at an out station but main line is clear - MRT & ART to be moved [C]
 A) 2 long B) 3 long C) 3 long and 1 short D) 4 long
419. No.of hooters to be sounded when an accident takes place at an out station but main line is blocked - ART to be moved [D]
 A) 2 long B) 3 long C) 3 long and 1 short D) 4 long
420. No.of hooters to be sounded when an accident takes place at an out station but main line is blocked - MRT & ART to be moved [C]
 A) 2 long B) 3 long C) 4 long and 1 short D) 4 long
421. The duration of long hooter shall be _____ seconds [A]
 A) 30 B) 40 C) 50 D) 60
422. The duration of short hooter shall be _____ seconds [D]
 A) 20 B) 15 C) 10 D) 5
423. Joint inspection of ART by SSE/P.Way, SSE/C&W, SSE/S&T, SSE/Elec. & Station Manager shall be done [A]
 A) once in a month B) once in 3 months
 C) once in 6 months D) once in a year
424. Permitted standard play for new wheel is [A]
 A) 19 mm B) 18 mm C) 17 mm D) 16 mm
425. When cause of derailment is not clear then measurement of track is taken in rear upto a distance of [D]
 A) 45 metres B) 60 metres C) 90 metres D) 100 metres
426. When cause of derailment is not clear then measurement of track is taken in front up to a distance of [A]
 A) 45 metres B) 60 metres C) 90 metres D) 100 metres
427. When the cause of derailment is indisputably known measurement will be taken up to a distance of [B]
 A) 30 M on either side B) 45 M on either side
 C) 60 M on either side D) 90 M on either side
428. Track readings are measured at every _____ metres station apart. [C]
 A) 6M B) 5M C) 3 M D) 4 M
429. Where necessary measurement of Gauge and Cross level may be taken additionally at individual sleepers up to _____ metres in rear of the derailment. [A]
 A) 9 B) 10 C) 5 D) 6

430. Longitudinal levels should be recorded for _____ metres in rear of point of mount
A) 100 B) 200 C) 300 D) 400 [C]
431. Longitudinal levels should be recorded for _____ metres ahead of point of mount
A) 100 B) 200 C) 300 D) 400 [A]
432. For all class of locomotives tread wear should be measured from tread at _____ from the back face of flange in BG.
A) 57 mm B) 59.5 mm C) 61mm D) 63.5mm [D]
433. In case of sudden derailment _____ will be considered as '0' station [A]
A) point of drop B) Point of mount C) either A or B D) none of these
434. In case of gradual derailment _____ will be considered as '0' station [B]
A) point of drop B) Point of mount C) either A or B D) none of these
435. When Track measurements are taken at accident site left and right are determined with respect to [A]
A) Direction of the train movement B) increasing kilometre
C) Decreasing Kilometre D) none of the above
436. Flange rejection limit of wheel for goods train is [B]
A) 15 mm B) 16 mm C) 19mm D) 22 mm
437. Flange rejection limit of wheel for Passenger train is [D]
A) 15 mm B) 16 mm C) 19mm D) 22 mm
438. If flange thickness reduces to _____ mm is called thin flange [C]
A) 11 B) 12 C) 13 D) 14
439. In accident manual special instruction are issued or approved by [A]
A) PCOM B) DRM C) CRS D) Sr.DOM
440. Restoration Operations should not be commenced in all cases of accidents when the cause of which might possibly due to sabotage [B]
A) Railway Safety officials B) Police officials C) RPF officials D) DRM
441. The information to be collected in case of accident at Manned Level Crossing is [D]
A) Competency certificate of the gateman on duty B) availability of safety equipment
C) Condition of the road surface/approaches D) all the above
442. Prior to restoration work where the cause of accident might possibly due to sabotage, a Factual note of the conditions obtaining at the site should be prepared and signed jointly by
A) Senior most Police and Railway officials at site
B) Senior most Police and Railway officials
C) Junior most Police and Railway officials at site D) none of these [A]
443. The information to be collected in case of derailment is [D]
A) point of mount and drop B) Track measurements C) sketch D) all the above
444. Object of Accident Enquiry is [D]
A) to ascertain the correct cause of accident B) to fix the responsibly for the accident
C) to formulate proposals for preventing recurrence of similar accidents D) all the above
445. In classification of accident enquiries the following is not a Railway enquiry [D]
A) Joint enquiry B) inter departmental enquiry
C) Departmental enquiry D) CRS Enquiry
446. In classification of accident enquiries the following is a Railway enquiry [B]
A) Magisterial enquiry B) Joint enquiry C) Police enquiry D) CRS enquiry

447. All departmental and interdepartmental enquiries into accidents shall normally be ordered by [B]
 A) GM B) DRM C) CSO D) CRS
448. DAR action against officials held responsible for accident shall be completed by [C]
 A) D+60 B) D+70 C) D+90 D) D+120
449. For checking wheel gauge _____ at equal spacing on inner periphery of the two wheels on the same axle to be recorded [B]
 A) 4 measurements B) 3 measurements C) 5 measurements D) 2 measurements
450. Tyre defect Gauge is used to measure [B]
 A) Wheel dia. B) wheel profile C) wheel gauge D) None of these.
451. The details to be shown in the dimensional sketch prepared of the accident [D]
 A) Kilometrage of site B) Direction of movement
 C) Names of stations on either side D) all the above
452. The dimensional sketch of the accident site should indicate the position of [D]
 A) all derailed vehicles B) Point of mount & drop
 C) pair of wheels of first derailed vehicle D) all the above
453. The dimensional sketch of the accident site should show a length of above _____ meters behind the point of mount and almost equal distance in front [B]
 A) 200 B) 300 C) 400 D) 500
454. The data in the columns 2 to 26 in the proforma of track measurement (Part-A) need not be collected when accident is [C]
 A) On account of sabotage B) due to obstruction on track
 C) both 'A' & 'B' D) none of the above
455. A temporary diversion is one which is not likely to be in use for more than _____ days [B]
 A) 7 B) 10 C) 12 D) 9
456. Proforma for Track measurement (Part-B) need not be filled when the cause of derailment is obviously established as [D]
 A) due to sabotage B) Obstruction on track
 C) broken axle, and/or spring having fallen off D) all the above
457. At a temporary diversion all trains must _____ and proceed at _____ [A]
 A) Stop dead, 10 kmph B) Stop dead, 20 kmph
 C) Stop dead, 30 kmph D) None of the above
458. A semi-permanent diversion is one constructed for special purpose of facilitating reconstruction of the line and / or bridges likely to be in use for a period of more than ____ [A]
 A) 10 days B) 30 days C) 90 days D) None of these
459. On a semi-permanent diversion, trains may proceed at _____ speed after adequate period of Consolidation [B]
 A) Proceed at 45 kmph B) Non stop reduced speed
 C) Proceed at 50 kmph D) None of the above
460. In diversions as far as possible the radius of the curve should not be less than _____ metres [B]
 A) 225 M B) 450M C) 600M D) None of the above
461. Diversion in difficult terrain the radius of the curve shall not be less than [A]
 A) 225 M B) 450M C) 600M D) None of the above
462. In case of temporary diversion the super elevation provided is [D]
 A) 50 mm B) 30 mm C) 20 mm D) zero mm

463. Trains may be permitted pass when the depth of water above rail level does not exceed _____ for passenger and mixed trains [A]
 A) 350 mm B) 450 mm C) 250 mm D) 400 mm
464. Trains may be permitted pass when the depth of water above rail level does not exceed _____ for Goods trains [B]
 A) 300 mm B) 450 mm C) 600 mm D) 900 mm
465. When the track is submerged trains shall be allowed to pass at [A]
 A) stop dead and 10 kmph B) stop dead and 15 kmph
 C) stop dead and 20 kmph D) Stop dead and 25 kmph
466. If water rises over the top the ballast but is below the rail level trains can be allowed only after [C]
 A) 2 men walking abreast on either end of the sleepers
 B) if the track has not been disturbed C) both 'A' & 'B' D) none of the above
467. When water over tops the rails the _____ shall pilot the train [B]
 A) patrolman B) JE/SSE/P.Way C) Gang Mate D) Trackman
468. When water over tops the rail the JE/SSE/P.Way shall [D]
 A) pilot the train B) walk over the track ahead
 C) check the depth by means of probing D) all the above
469. An up to date list of Railway Affecting Works shall be maintained by [A]
 A) DEN/ADEN B) SSE/P.Way C) SSE/Works D) All the above
470. The term Railway Affecting Work may broadly be taken to mean any work [C]
 A) which if not constructed and maintained properly
 B) not operated properly may result in danger to railway line
 C) Both 'A' & 'B' D) none of the above
471. The railway official who shall jointly inspect with the civil authorities all RAWs /RATs before the monsoon every year [B]
 A) SSE/P.Way B) ADEN C) DEN D) None of the these
472. The amount of compensation in case of death and permanent disability as per latest amendment slip [B]
 A) Rs.20 Lakhs B) Rs. 8 Lakhs C) Rs. 10 Lakhs D) Rs. 12 Lakhs
473. The minimum amount of compensation in case of injuries as per latest amendment slip [B]
 A) Rs.32,000 B) Rs. 64,000 C) Rs. 80,000 D) Rs. 1 Lakh
474. The Maximum amount of compensation in case of injuries as per latest amendment slip [C]
 A) Rs.15 lakhs B) Rs. 10 Lakhs C) Rs. 8 Lakhs D) Rs. 25 Lakhs
475. The official who take into custody of all the relevant documents, broken parts etc. of the accident is [B]
 A) Commercial B) Safety C) Operating D) engineering
476. Flat tyre causes maximum damage at a speed of [B]
 A) 10 to 15 kmph B) 25 to 30 kmph C) 50 to 60 kmph D) 90 to 100 kmph
477. Derailment proneness increases with [D]
 A) increased Lateral wheel force B) Reduced vertical wheel load
 C) increased positive angularity of wheel D) all the above
478. Longer mark on the rail table between point of mount and point of drop indicate [B]
 A) Sudden derailment B) Gradual derailment C) Re Railing D) none of the above

479. Sudden derailment is caused by [D]
 A) Failure of vehicle/track components B) Obstruction on track
 C) Entanglement of hanging parts of rolling stock D) All the above
480. Sudden derailment is characterized by [C]
 A) short mark on the rail table between PM & PD B) No point of mount in some cases
 C) both 'A' & 'B' D) None of the above
481. For drawing conclusion regarding cause of derailment, the enquiry committee shall rely upon the document which has complete joint measurements with reference to [C]
 A) Track B) Rolling stock C) Both 'A' & 'B' D) none of the above
482. These track tolerance limits are not prescribed on Indian Railways [B]
 A) Maintenance tolerances B) Safety tolerances
 C) Slow down tolerances D) None of the above
483. In an accident slight damage means damage to railway property estimated to cost less than [B]
 A) Rs. 75,000 B) Rs.50,000 C) Rs.40,000 D) Rs. 1 Lakh
484. In an accident damage to property means damage to railway property with a value of [C]
 A) Rs.50,000 or and above upto Rs.1 Crore B) Rs.1 Lakh or and above upto Rs.2 Crore
 C) Rs.50,000 or and above upto Rs.2 Crore D) None of these
485. An accident is treated as serious accident when value of damage to railway property estimated to cost over [B]
 A) Rs.1 Crore B) Rs.2 Crore C) Rs.3 Crore D) None of these
486. For the purpose of reporting of accident threshold value of interruption to through traffic where total duration of interruption on 'A', 'B' & 'C' routes are equal to or more than [B]
 A) 4 hours B) 6 hours C) 8 hours D) 12 hours
487. For the purpose of reporting of accident threshold value of interruption to through traffic where total duration of interruption on 'D' routes is equal to or more than [C]
 A) 4 hours B) 6 hours C) 8 hours D) 12 hours
488. For the purpose of reporting of accident threshold value of interruption to through traffic where total duration of interruption on 'E' routes is equal to or more than [D]
 A) 4 hours B) 6 hours C) 8 hours D) 12 hours
489. For the purpose of reporting of accident the threshold value of loss of railway property is fixed at [B]
 A) Rs. 50,000 B) Rs.1 Lakh C) Rs.1.5 Lakhs D) Rs.2 Lakhs
490. The criminal interference with any part of the working machinery of a railway with the object of rendering it inoperative [A]
 A) Sabotage B) attempted train wrecking C) Train wrecking D) unusual
491. The wilful obstruction of or tampering with permanent way, works or rolling stock, resulting in an accident to train with or without loss of life or damage [C]
 A) Sabotage B) attempted train wrecking C) Train wrecking D) unusual
492. The wilful obstruction of or tampering with permanent way, works, structures, equipment or rolling stock which if undetected would have resulted in an accident [B]
 A) Sabotage B) attempted train wrecking C) Train wrecking D) unusual
493. Averted collision if, outside the station limits, the distance between the two trains or the train and the obstruction, have finally to a stop is [A]
 A) 400 metres B) 300 metres C) 200 metres D) 100 metres

494. A fire in a train should be treated as a train accident only when it results in death or physical injury or loss of railway property with a value of _____ [C]
 A) Rs. 10,000 and above B) Rs.20,000 and above
 C) Rs. 50,000 and above D) Rs. 40,000 and above
495. A railway employee is considered to have sustained simple injury if he/she is prevented from returning to work as a result of injuries for a period of _____ hours after the occurrence of the accident [C]
 A) 24 hours B) 36 hours C) 48 hours D) 72 hours
496. During recording particulars at site of accident for S&T gears details of unsafe failures during last _____ months shall also be recorded. [C]
 A) One B) Two C) Three D) Four
497. Accident which results in the death or serious injuries to a railway servant or contractor's servants doing work for the railway, within the railway premises the DRM shall send a report to the Commissioner for workmen's compensation within _____ days of the incident [A]
 A) 7 days B) 10 days C) 15 days D) 1 month
498. While taking photograph /video the principle of 'whole to part' must be followed; i.e. _____ should cover the entire site along with OHE Mast No. /Hectometre Post No. and the entire coach /wagon with coach /wagon number. [A]
 A) First shot i.e Long Shot B) First shot i.e short Shot
 C) Second shot i.e Long Shot D) Second shot i.e short Shot
499. While taking photograph /video the principle of 'whole to part' must be followed; i.e.the _____ should cover closer view showing particular bogie and track structure. [C]
 A) First shot i.e Long Shot B) First shot i.e short Shot
 C) Second shot i.e Long Shot D) Second shot i.e short Shot
500. While taking photograph /video the principle of 'whole to part' must be followed; i.e.the 3rd /4th shot (close shot) and so on should cover further closer view with finer details and specific components. [C]
 A) First shot i.e Long Shot B) First shot i.e short Shot
 C) Second shot i.e Long Shot D) Second shot i.e short Shot
501. Danger level at Girder and slab bridges with waterway < 6.10m is marked at clearance below bottom of girders/slabs is _____ mm [C]
 A) 100 to 250 B) 150 to 250 C) 150 to 300 D) 200 to 350
502. Danger level at Girder and slab bridges with waterway > 6.10 < 12.20 m is marked at clearance below bottom of girders/slabs is _____ mm [A]
 A) 450 B) 400 C) 350 D) 250
503. Danger level at Girder and slab bridges with waterway > 12.20 < 30.50 m is marked at clearance below bottom of girders/slabs is _____ mm [D]
 A) 450 B) 500 C) 550 D) 600
504. Danger level at Girder and slab bridges with waterway > 30.50 < 61.0 m is marked at clearance below bottom of girders/slabs is _____ mm [B]
 A) 800 B) 750 C) 700 D) 650
505. Danger level at Girder and slab bridges with waterway > 61.0 m is marked at clearance below bottom of girders/slabs is _____ mm [B]

- A) 1000 B) 1050 C) 1100 D) 1200
506. For larger spans and for multiple span arches, the danger level shall be at 2/3rd rise below the crown of the arch [C]
- A) 1/4 B) 1/3 C) 2/3 D) 2/5
507. Danger level at bridges shall be marked with _____ wide [B]
- A) Red band of 6 cm B) Red band of 5 cm
C) Red band of 4 cm D) Red band of 10 cm
508. Danger level at bridges shall be marked with red band over a white band _____ wide
- A) 7 cm B) 9 cm C) 10 cm D) 12 cm [C]
509. Danger level at bridges shall be marked with red band over a white band for a length of _____ [D]
- A) 45 cm B) 50 cm C) 55 cm D) 60 cm
510. _____ should send a certificate to the PCE to the effect that monsoon reserve stock is in order and to the scale laid down, by the prescribed date. [A]
- A) DEN B) Sr.DEN/Co-ord C) ADEN D) SSE/P.Way In-charge
511. The measurements of wheels are to be done using wheel gauges to ROSO drawing No.SKDL _____ for all locomotives except WAP5 loco [B]
- A) 3591 B) 3592 C) 4446 D) 4447
512. The measurements of wheels are to be done using wheel gauges to ROSO drawing No.SKDL _____ for WAP5 locomotives [C]
- A) 3591 B) 3592 C) 4446 D) 4448
513. During heavy rains and strong wind endangering the safety of passenger train SM shall not [A]
- A) Grant line clear B) exchange of all right signals
C) take off LSS or starter D) None of the above
514. Rainfall above _____ crosses in 24 hours is considered as dangerous for running trains [C]
- A) 20mm B) 30mm C) 50mm D) None of these
515. Heavy winds above _____ kmph is considered as dangerous for running trains [A]
- A) 65 B) 50 C) 35 D) None of these
516. The stationmaster on receipt of information regarding danger to track or bridge due to RAT should [D]
- A) Stop immediately the approaching train B) inform the concerned SSE/JE/P.Way
C) inform the adjacent station master D) All the above
517. The Section JE/SSE/P.Way Incharge on receipt of information regarding danger to track or bridge due to RAT should [D]
- A) Immediately proceed to the site B) Post a stationary watchman
C) inform the adjacent station masters D) All the above
518. During the monsoon period at every nominated vulnerable location _____ should be posted round the clock [A]
- A) Stationary watchman B) Mobile watchman
C) Patrolman D) none of these
519. The SSE/P.Way on receipt of weather/cyclone warning should [D]
- A) advise patrolmen, Watchmen & mates to be extra vigilant
B) Introduce monsoon Patrolling and post watchmen at vulnerable locations

- C) out in his section for 48 hours D) All the above
520. Gangmate on receipt of weather warning from station master should [D]
 A) in fair season depute 2 reliable Trackmen for patrolling
 B) During monsoon send 2 Trackmen in opposite direction to alert intermediate Mate & Patrolmen
 C) In case of heavy rain/severe storm carry out gang patrol D) All the above
521. ART stands for [A]
 A) Accident Relief Train B) Auxiliary Relief Train
 C) Accident Rail Testing D) none of these
522. MRV stands for [B]
 A) Mobile Relief Van B) Medical Relief Van
 C) Major Relief Van D) none of these
523. SPART stands for [A]
 A) Self Propelled Accident Relief Train B) Special purpose Accident Relief Train
 C) Special Private Accident Relief Train D) None of the above
524. POMKA stands for [B]
 A) Primary Onsite Medical Kit for accidents B) Portable Medical Kit for Accidents
 C) Private Onsite Medical Kit for Accidents D) None of these
525. MRT Stands for [C]
 A) Mobile Relief Train B) Mass Relief Train
 C) Medical Relief Train D) none of these
526. ARME stands for [A]
 A) Accident Relief Medical Equipment B) Accident Restoration Mobile Engine
 C) Accident Response Men in Emergency D) None of the above
527. CCRS Stands for [A]
 A) Chief Commissioner of Railway Safety B) Chief Commercial Railway Supdt.
 C) Chief Controller of Railway Safety D) None of the above
528. WILD stands for [B]
 A) Wagon Inspection of Load device B) Wheel Impact Load Detector
 B) Weld Impact Load Device D) None of the above
529. M&C report stands for [A]
 A) Metallurgist & Chemist report B) Mechanical & Civil Report
 C) Maintenance & Correction report D) None of these
530. If a Train is involved in collision, accident is classified as [A]
 A) Class 'A' B) Class 'B' C) Class 'C' D) Class 'D'
531. If there is Fire in Train, accident is classified as [B]
 A) Class 'A' B) Class 'B' C) Class 'C' D) Class 'D'
532. If a train runs into road traffic or road traffic runs into train at a Level Crossing, the accident is classified as [C]
 A) Class 'A' B) Class 'B' C) Class 'C' D) Class 'D'
533. If a train derails, the accident is classified as [D]
 A) Class 'A' B) Class 'B' C) Class 'C' D) Class 'D'
534. Averted Collision of trains, the accident is classified as [A]
 A) Class 'F' B) Class 'G' C) Class 'H' D) Class 'J'
535. If there is a Breach of Block Rules, the accident is classified as [B]

- A) Class 'F' B) Class 'G' C) Class 'H' D) Class 'J'
536. If there is a Train Wrecking or attempted train wrecking or sabotage, the accident is classified as [D]
- A) Class 'K' B) Class 'L' C) Class 'M' D) Class 'N'
537. If Train passing signal at danger, the accident is classified as [C]
- A) Class 'F' B) Class 'G' C) Class 'H' D) Class 'J'
538. If there is a failure of engine & rolling stock, the accident is classified as [D]
- A) Class 'F' B) Class 'G' C) Class 'H' D) Class 'J'
539. If there is a failure of Permanent way, the accident is classified as [A]
- A) Class 'K' B) Class 'L' C) Class 'M' D) Class 'N'
540. If there is a failure of Electrical equipment, the accident is classified as [B]
- A) Class 'K' B) Class 'L' C) Class 'M' D) Class 'N'
541. If there is a failure of S&T equipment, the accident is classified as [C]
- A) Class 'K' B) Class 'L' C) Class 'M' D) Class 'N'
542. If causalities are involved in an accident, the accident is classified as [A]
- A) Class 'P' B) Class 'Q' C) Class 'R' D) Class 'S'
543. The minimum penalty imposed on staff Directly involved in accidents where collisions involving trains resulting in loss of human life [B]
- A) Removal from service B) Dismissal from service
C) Major penalty D) Any of the above
544. The minimum penalty imposed on staff Directly involved in accidents where collisions involving trains not resulting in loss of human life [A]
- A) Removal from service B) Dismissal from service
C) Major penalty D) Any of the above
545. The minimum penalty imposed on staff who are found to have secondary responsibility where collisions involving trains resulting in loss of human life [C]
- A) Removal from service B) Dismissal from service
C) Major penalty (v), (vi) or (vii) D) Any of the above
546. The minimum penalty imposed on staff who are found to have secondary responsibility where collisions involving trains not resulting in loss of human life [C]
- A) Removal from service B) Dismissal from service
C) Major penalty (v) or (vi) D) Any of the above
547. The minimum penalty for Civil Engineering staff involved directly for major track defect resulting in derailment of passenger train and there is loss of life [A]
- A) Dismissal B) Removal from service C) Major penalty D) Any of the above
548. The minimum penalty for Civil Engineering staff involved directly for major track defect resulting in derailment of passenger train there is no loss of life [B]
- A) Dismissal B) Removal from service
C) Major penalty v,vi or vii D) Any of the above
549. The minimum penalty for Civil Engineering staff involved directly where derailment of Goods train takes place on main line [A]
- A) Reduction to a lower grade for a period of three years with loss of seniority
B) Reduction to a lower grade without loss of seniority
C) Reduction to a lower stage D) Any of the above

550. The minimum penalty for Civil Engineering staff involved directly where derailment of Goods train takes place in station yards other than main line [B]
 A) Reduction to a lower grade with loss of seniority
 B) Reduction to a lower Stage for a period of two years without postponing increments
 C) Reduction to a lower Stage for a period of two years with postponing increments
 D) Any of the above
551. The minimum penalty for Civil Engineering staff involved directly where track defects like cross level, low joints and defective alignment in curves resulting in derailment of passenger train and loss of life [B]
 A) Dismissal B) Removal from service
 C) Major penalty v,vi or vii D) Any of the above
552. The minimum penalty for Civil Engineering staff involved directly where track defects like cross level, low joints and defective alignment in curves resulting in derailment of passenger train and no loss of life [A]
 A) Reduction to a lower grade with loss of seniority for 3 years
 B) Removal from service C) Major penalty v,vi or vii D) Any of the above
553. The minimum penalty for Civil Engineering staff involved directly where track defects like cross level, low joints and defective alignment in curves resulting in derailment of Goods train on main line or within stations [A]
 A) Reduction to a lower grade with loss of seniority for 1 to 3 years
 B) Reduction to a lower grade without loss of seniority
 C) Reduction to a lower Stage for a period of two years with postponing increments
 D) Any of the above
554. The minimum penalty for Civil Engineering staff involved directly where track defects like cross level, low joints and defective alignment in curves resulting in derailment of Goods train on other than main line within station yard [C]
 A) Reduction to a lower grade with loss of seniority for 1 to 2 years
 B) Reduction to a lower grade without loss of seniority for 1 to 2 years
 C) Reduction to a lower Stage for 1 to 3 years without postponing future increments
 D) Any of the above

Bridge related works

1. In SC Railway, JE/SSE/Bridges is responsible for inspection and maintenance of steel girder bridges of _____ span [D]
A) Less than 12.2m B) Greater than or equal to 12.2m
C) Steel girders of major & important D) All steel girder bridges
2. Obstruction to water ways of bridges, if any, shall be cleared before Monsoon by [A]
A) PWI B) IOW C) BRI D) Anyone
3. Inspection of important bridge by Sr. DEN/DEN is [A]
A) Once in a year B) Once in 6months C) Once in 3months D) None of these
4. Inspection of bridge with overall rating number (ORN) 1 or 2 or 3 by Sr. DEN/DEN is
A) Once in three months B) Once in six months
C) Once in a year D) None of these [C]
5. Initial inspection for PSC girders / Welded girder bridges as per IRBM 1998 [A]
A) Within one year of installation B) Once in 3 years
C) Once in 2 years D) Once in 5 years
6. Periodical inspection of Welded girders [B]
A) Once in 1 years B) Once in 3 years C) Once in 2 years D) Once in 5 years
7. Periodical inspection of PSC & Composite girders [B]
A) Once in 3 years B) Once in 5 years C) Once in 2 years D) Once in 1 years
8. Inspection of PSC girders is the responsibility of [C]
A) SSE/works B) SSE/P.Way C) SSE/bridges D) Any of the above
9. All composite girder bridges are to be inspected by [C]
A) SSE/works B) SSE/P.Way
C) SSE/bridges D) Any of the above
10. In-charge SSE/Bridges shall carry detailed inspection of Superstructure of Steel/RCC/PSC/Composite girders at the frequency of once in: [A]
A) 5 years B) 3 years C) 2 years D) Every year
11. _____ shall also responsible for the posting of bridge watchman, wherever necessary and ensure their effective functioning. [A]
A) Permanent Way Inspector B) Inspector of Works
C) Bridge Inspector D) None of these
12. The Assistant Engineer shall inspect every tunnel in the sub division _____ before monsoon and maintain the records of his inspection. [B]
A) Once a half year B) Once a year

- C) Once one and half year D) Once two years
13. Tunnels - to be inspected after Monsoon by [D]
A) PWI B) IOW C) BRI D) PWI or IOW
14. Bridge watchmen, in the case of emergency, should be well conversant with the rules regarding use of _____ [D]
A) Hand signals B) Detonators C) Protection D) All of these
15. The Divisional/Assistant Engineer should carry out inspection of Bridges and their training works after the _____ and take action to undertake repairs and make good the damages before next _____ [A]
A) Rainy season B) Winter season C) Summer season D) All of these
16. Investigation for important bridges may be carried out in which stage [D]
A) Technical feasibility study (reconnaissance survey)
B) Techno-economic feasibility study (preliminary engineering survey)
C) Detailed survey and project report stage (final location survey)
D) All the above
17. Indian Railway Bridge manual established in [A]
A) 1998 B) 1999 C) 1989 D) 1954
18. A major bridge is one which has [D]
A) Single span of 12m & above B) Total linear water way 18m and above
C) Either A or B D) Both A) & B)
19. Railway bridge having total linear waterway of 18m or more is called [A]
A) Major bridge B) Minor bridge C) Important bridge D) Major or Minor
20. A minor bridge is one which has [D]
A) Single span less than 12m B) Total linear water way less than 18m
C) Either A or B D) Both A & B
21. An important bridge is one which has total water way of equal to or more than [A]
A) 1000 sq.m. B) 800 sq.m. C) 500 sq.m. D) 300 sq.m.
22. Minimum clearance for Arch bridges measured from the crown for spans less than 4m should be [A]
A) Rise of the arch or 1200mm whatever is more B) Rise of the arch
C) 1200mm D) None of these
23. Which cement should not be used for bridge slabs (PSC and RCC works) [B]
A) OPC B) Portland Pozzolana cement
C) Portland furnace slag cement D) Rapid hardening cement

24. The concrete under water minimum grade recommended by concrete bridge code [C]

A) M 10 B) M 15 C) M 20 D) M 25
25. In Indian railway, Waterway bridges are classified as major / minor / important based on (C)

A) Material B) Superstructure C) waterway D) Foundation depth
26. Health monitoring of Very important Bridges in Aggressive environment is to be done by an independent agency once in [B]

A) 2 years B) 5 years C) 10 years D) 20 years
27. Classification of a bridge as Through, Semi-through or Deck bridge is based on [C]

A) Type of girders B) Grade separation

C) Position of track with respect to main girder D) Headway requirement consideration
28. Causeway, Submersible bridges and High level bridges are the type of bridges based on

A) Type of waterway B) Grade separation

C) Position of roadway or railway with respect to main girder

D) Headway requirement consideration [D]
29. In a temporary signalling arrangement for a bridge work in BG section, caution board shall be placed in advance of _____ m from starting of the bridge/work spot. [B]

A) 30 m B) 1200 m C) 677 m D) 1000 m
30. In a temporary signalling arrangement for a bridge work in BG section, speed board shall be placed in advance of 30 m from the [C]

A) C.L. of the bridge B) Termination Board

C) Start of the bridge/work spot D) Caution Board
31. When proposed depth of construction of a bridge is more than the existing depth of construction in a bridge work, the existing rail level requires [B]

A) Lowering B) Lifting C) Slewing D) None
32. What is DPC? [A]

A) Damp proof course B) Weathering course

C) Treatment the foundation D) Treatment over the roof
33. In single line section, under normal circumstances, artificial ventilation may not be required if the length of tunnels is less than [B]

A) 1 km B) 2 km C) 3 km D) 4 km
34. Callendar Hamilton spans are normally available maximum up to [B]

A) 18.3 M B) 30.5 M C) 45.7 M D) 61 M
35. Distance between two consecutive sleepers for B.G. should not exceed [D]

- A) 250mm B) 300mm C) 400mm D) 500mm
36. The thickness of sleepers for B.G. should preferably be _____ (C)
A) 125mm B) 150mm C) 175mm D) 200mm
37. Clearance between guard rail & running rail on B.G. bridges should be [D]
A) 150mm $\pm$ 50 B) 200mm $\pm$ 50 C) 225mm $\pm$ 50 D) 250mm $\pm$ 50
38. Clearance between guard rail & running rail on M.G. bridges should be [B]
A) 150mm $\pm$ 50 B) 200mm $\pm$ 50 C) 225mm $\pm$ 50 D) 250mm $\pm$ 50
39. Length of guard rail outside ballast wall for B.G. bridges should be [D]
A) 3200mm B) 3655mm C) 4250mm D) 4875mm
40. Length of guard rail to be bent so as to be brought together at middle of the track on BG bridges [C]
A) 1600mm B) 1750mm C) 1825mm D) 1900mm
41. SEJ (switch expansion joint) is to be installed at a distance of ____ m from the Abutment in case where LWR is continued over the bridge with provision of SEJ at the far end. [D]
A) 20 B) 30 C) 25 D) 10
42. SWR may be continued over the girder bridges with unballasted decks, where the clear distance between abutments does not exceed [D]
A) 6.5m B) 9.6m C) 11.5m D) 13.3m
43. Track on girder on which SWR is not permitted should be isolated from the SWR in the approaches on either side by providing at least well anchored standard rail length. [B]
A) One B) Two C) Three D) Four
44. BGML loading stands for [C]
A) Broad Gauge Mineral loading B) Broad Gauge Modified loading
C) Broad Gauge Main Line loading D) None of the above
45. BGML loading caters for maximum axle load of tonnes for locomotive with trailing load of tonnes/metre. [A]
A) 22.9, 7.67 B) 22.5, 7.65 C) 25.0, 7.67 D) None of these
46. RBG loading stand for [A]
A) Revised Broad Gauge loading B) Rolling Broad Gauge loading
C) Railway Broad Gauge loading D) None of these
47. RBG loading caters for maximum axle load of tonnes for locomotive with trailing load of tonnes/metre of track with maximum axle load of tonnes for wagons. [B]
A) 22.9, 7.67, 25 B) 22.5, 7.67, 22.9 C) 25, 7.67, 22.9 D) None of these

48. MBG loading stands for [B]
 A) Mineral Broad Gauge loading B) Modified Broad Gauge loading
 C) Medium Broad Gauge loading D) None of these
49. MBG loading caters for maximum axle load of tonnes for locomotive with trailing load of tonnes/metre on both side of locomotive. [C]
 A) 25, 7.67 B) 22.5, 8.25 C) 25.0, 8.25 D) None of these
50. Standard bag of cement in kg [D]
 A) 52 kg B) 30.5kg C) 10.7kg D) 50 kg
51. CDA stands for [A]
 A) Coefficient of Dynamic Augment B) Critical Dynamic Augment
 C) Constant Dynamic Augment D) Calculated Dynamic Augment
52. Dynamic Augment is [C]
 A) Wind effect on railway bridges B) Temperature effect on railway bridges
 C) Impact Effect on railway bridges D) Rolling effect on railway bridges
53. Bridges are expected to have design life of [A]
 A) 75 to 100 years B) 100 to 125 years C) 125 to 150 years D) None of these
54. Bridge planning is the process of finding optimal solution for crossing a [D]
 A) Water course B) Roadway C) Railway D) All of these
55. Design discharge (Q) shall normally be the computed flood with a probable recurrence interval of [A]
 A) 50 years (Q50) B) 60 years (Q60) C) 70 years (Q70) D) None of these
56. Minimum periodicity of taking soundings during floods is [B]
 a. A) Every hour B) Daily C) Alternate day D) Every fortnight
57. Water level should be recorded at the specified bridges, during the monsoon period [D]
 a. A) Every hour B) Every 12 hours C) Every 6 hours D) Daily
58. No work shall be done within a distance of ____ meters from the live parts of OHE without 'permit-to-work'. [C]
 A) 1.0 B) 1.5 C) 2.0 D) 2.5
59. Plate girder directly rests on which component [A]
 A) Bed Plate B) Bearing plate C) Bed Block D) Abutment
60. Flooring is generally required to be provided for bridges with [B]
 A) Deep foundations B) Shallow foundations C) Both D) None
61. Transfer of vertical loads in Arch Bridges is mainly through _____ stresses [B]
 A) Bending B) Compressive C) Tensile D) Shear

62. Diameter of reinforcement bar generally used as dowels for jacketing of bridge structures.
A) 25mm B) 12mm C) 20 mm D) 16mm [C]
63. The ingredient of solvent used in paints is for the purpose of [B]
A) To make the paint thinner B) To make the paint consistent
C) To make the paint thicker D) None of the above
64. Camber in steel triangulated girder is provided to compensate for deflection [A]
A) Under live load and dead load B) Under live load
C) Under dead load D) None of the above
65. Bearings are provided in bridges to transfer the load to [D]
A) Super structure B) Track C) Embankment D) Sub structure
66. At FOBs in electrified section the electrocution by live OHE wires is prevented by providing [D]
A) Smoke guards B) Roofing C) Bottom lateral bracings D) Protective screens
67. For a major bridge, the URN would comprise of [B]
A) Single digit B) Eight digits C) Six digits D) Four digits
68. While painting with red oxide paint, a little quantity ofshall be added to the paint while doing the first coat to distinguish it from the second coat [B]
A) Little blue paint B) Lamp black C) Red paint D) Green paint
69. While painting with Aluminium paint, a little quantity ofshall be added to the paint while doing the first coat to distinguish it from the second coat [A]
A) Little blue paint B) Lamp black C) Red paint D) Green paint
70. Rail joints should be avoided on the approaches withinof a bridge abutment.
A) 6 m B) 3 m C) 4 m D) 10 m [B]
71. Renewal of slack rivets should be taken up in steel girder bridges, if [D]
A) All rivets which are hand loose or which have lost 50% of their head by corrosion.
B) All hammer loose rivets where corrosion has set in between the head and the plate.
C) In end stiffeners when the percentage of hammer loose rivets is >30%
D) All the above
72. In flange splices when the number of hammer and hand loose rivets is 30% or more of the total rivets on any side of the splice location, [C]
A) Need not be renewed B) Wait for 100% loose rivets
C) All the rivets should be renewed D) None of the above
73. Corrosion in Steel girder bridges may be prevented by [D]
A) Protective coatings by painting B) Metallising

- C) Use of epoxy-based paints D) All the above
74. Metal used for spraying in metalizing of steel girders is [C]
 A) Zinc or nickel B) Nickel or Aluminium C) Aluminium or zinc D) All of above
75. Ready mixed zinc chromate paint used for bridge painting should conform to [C]
 A) IS:102 B) IS:103 C) IS:104 D) IS:105
76. Finishing coat of Aluminium paint for steel girders should conform to [B]
 A) IS:1339 B) IS:2339 C) IS:1338 D) IS:2338
77. The date of painting of steel work should be painted in white on the outside of the left girder [B]
 A) Of the 1st span only B) First span only but on all spans for Imp. Bridges
 C) Of the all spans D) None of the above
78. The length of the snap head rivet shank is, when L = length of the rivet, G = length of grip in mm; D = Dia of rivet in mm [A]
 A) $L = G + 1.5 D + 1\text{mm}$ for every 4 mm of grip or part thereof
 B) $L = G + 0.5 D + 1\text{mm}$
 C) $L = G + 0.5 D$
 D) None of the above
79. The length of the countersunk head rivet shank is, when L = length of the rivet, G = length of grip in mm; D = Dia of rivet in mm [A]
 A) $L = G + 0.5 D + 1\text{mm}$ for every 4 mm of grip or part thereof
 B) $L = G + 0.5 D + 1\text{mm}$
 C) $L = G + 0.5 D$
 D) None of the above
80. Periodicity of recording of camber in PSC girders [D]
 A) Once in a year B) Once in two years C) Once in three years
 D) Within 1 year of installation and once in 5 years afterwards
81. Conventional method of camber recording [A]
 A) Piano wire with counter weight B) By using levelling instrument
 C) Offset method D) None of the above
82. Trolley refuges should be checked to ascertain whether they have been provided on bridges with main span of ----- [D]
 A) Less than 100m, at every 100m B) 100m and more, a refuge over each pier
 C) Either A) or B) D) Both A) and B)
83. Periodicity of Underwater inspection [B]

- A) Once in a year B) Once in two years
C) Whenever high flood occurs D) Along with detailed inspection of SE/Br
84. Elastomeric bearings are made of natural or synthetic rubber of shore hardness of approximately. [B]
A) 30 to 40 B) 50 to 70 C) 40 to 50 D) 60 to 70
85. For assessing the strength of concrete structure by NDT method, the equipment used is
A) Echo sounder B) Anemometer
C) Schmidt's concrete testing hammer D) Volt meter [C]
86. For assessing the cover available to reinforcement in existing RCC structures by NDT method, the equipment used is [B]
A) Echo sounder B) Profometer C) Cover meter D) Volt meter
87. For a major bridge, the condition rating number (CRN) should be of [D]
A) 2 digits B) 4 digits C) 6 digits D) 7 digits
88. In case of Shotcreting/ Guniting, the coarse aggregate, when used should conform to IS 383, with a maximum nominal size of ----- [A]
A) 10 to 12.5 mm B) 12 to 20 mm C) 20 to 25 mm D) Both A and B
89. In the eight digit code given in the rating system, the first digit is called [B]
A) URN B) ORN C) CRN D) None of the above
90. ORN stands for in the Numerical Rating System is [C]
A) Overall ranking number B) Ordinary ranking number
C) Overall rating number D) Any of the above
91. URN stands for in the Numerical Rating System is [C]
A) Unique ranking number B) Universal ranking number
C) Unique rating number D) Any of the above
92. For spans more than 6.1 m, rail joints should preferably be provided at of span from either end.
A) 1/3 B) 1/5 C) 0.4 D) None of these [A]
93. Drop & Curtain wall is provided [B]
A) to reduce velocity of water flow B) to reduce scouring effect of stream
C) Both A & B D) None of these
94. In areas where corrosion is not severe, priming coat consists of [B]
A) one coat of ready mixed paint zinc chromate priming conforming to IS 104 followed by one coat of ready mixed paint red oxide zinc chromate primer paint conforming to IS 2074

- B) Two coats of zinc chromate red oxide primer paint conforming to IRS P-31
 C) Either of the above
 D) None of these
95. In areas where corrosion is not severe, finishing coat consists of [A]
 A) Two cover coats of paint conforming to IS: 13607
 B) Two coats of Aluminum paint to IS: 2339
 C) Either of the above
 D) None of these
96. In areas where corrosion is severe, priming coat consists of [A]
 A) One coat of ready mixed paint zinc chromate priming conforming to IS 104 followed by one coat of ready mixed paint red oxide zinc chromate primer paint conforming to IS 2074
 B) Two coats of ready mixed paint zinc chromate priming paint conforming to IS 104
 C) Either of the above
 D) None of these
97. In areas where corrosion is severe, finishing coat consists of [A]
 A) Two coats of aluminium paint conforming to IS 2339
 B) Two cover coats of red oxide paint conforming to IS 123
 C) Either of the above
 D) None of the above
98. Entire steel work of a girder of bridge should be painted at regular interval. This system of painting is known as [D]
 A) Patch painting B) Complete painting C) Periodical complete painting
 D) Periodical through painting
99. When a small area of painting of a steel girder bridge show pronounced deterioration and require immediate painting, this system of painting is known as [A]
 A) Patch painting B) Complete painting
 C) Preventive painting D) Through painting
100. Elcometer is used for measuring the [B]
 A) Thickness B) Thickness of dry paint
 C) Thickness of wet paint D) All of the above
101. Piano wire is used for measuring the [B]
 A) Distortion B) Camber of PSC girder C) Both A & B D) Both A & C

100. In railways, periodicity of painting of steel girder varies from -----in arid zones to ----- in highly corrosive areas. [A]
 A) 6 years, 1 year B) 1 year, 6 years C) 8 years, 2 years D) 2 years, 8 years
101. A Bridge having linear water way of 200 m and water way area of 1200 sq.m is known as
 A) Minor bridge B) Important bridge
 C) Major bridge D) None of the above [B]
102. Bridge having total water way of less than 18 m and clear span of less than 12 m in single span are called [A]
 A) Minor bridge B) Important bridge C) Major bridge D) None of the above
103. NRS stands for [B]
 A) National Rating System B) Numerical Rating System
 C) Non Repair System D) None of these
104. URN of a minor bridge shall be represented by digit. [D]
 A) 8 B) 5 C) 4 D) 1
105. Weight of rivet testing hammer is approx.....grams [D]
 A) 180 B) 170 C) 150 D) 110
106. Length of wooden handle of rivet testing hammer is about [C]
 A) 200 mm B) 250 mm C) 300 mm D) 1200 mm
107. Oiling & Greasing of bridge bearings is done once in [C]
 A) Every year B) 2 years C) 3 years D) 4 years
108. For painting, brush shall be held at to the surface [C]
 A) 60^0 B) 30^0 C) 45^0 D) All of these
109. Repairing by cement pressure grouting can be adopted in case of [D]
 A) Honeycomb concrete structure B) Hollow masonry
 C) Dormant cracks D) All of above
110. Cement pressure grouting is suitable for [B]
 A) Very fine crack
 B) Active crack where cause of cracking has been determined and remedial action has been taken
 C) Crushed masonry
 D) Weathered concrete or masonry
111. Cement pressure grouting is best suited for [A]
 A) Wide and deep crack B) Fine and deep crack
 C) Fine but not very deep crack D) None of above

112. Cement used for pressure grouting is Ordinary Portland cement conforming to [A]
A) IS:269 B) IS:383 C) IS:455 D) IS:800
113. Epoxy pressure grouting is superior over cement pressure grouting due to [D]
A) Quick setting B) High strength C) Good adhesion D) All the above
114. Epoxy injection could be resorted to when [A]
A) Crack width is less than 1 mm. B) Crack width is between 1mm & 10 mm.
C) When the masonry is having large voids D) None of the above
115. Epoxy grouting is best suited for [C]
A) Wide and deep crack B) Fine and deep crack
C) Fine but not very deep crack D) None of above
116. Admixture is added in cement pressure grouting mainly due to [D]
A) Increase initial setting time B) Improve flowability
C) Prepare non shrinkable grout D) Both B) and C
117. In cement pressure grouting, water cement ratio is kept as [A]
A) 0.4 to 0.5 B) 0.3 to 0.4 C) 0.25 to 0.35 D) 0.35 to 0.50
118. In cement pressure grouting, pressure is kept as [A]
A) 2 to 4 kg/sq.cm. B) 3 to 6 kg/sq.cm C) 3 to 10 kg/sq.cm D) 3.5 to 7 kg/sq.cm
119. In epoxy grouting, pressure is kept as [D]
A) 2 to 4 kg/sq.cm B) 3 to 6 kg/sq.cm C) 3 to 10 kg/sq.cm D) 3.5 to 7 kg/sq.cm
120. In Guniting/shotcreting, water cement ratio is kept as [D]
A) 0.4 to 0.5 B) 0.3 to 0.4 C) 0.25 to 0.35 D) 0.35 to 0.50
121. In cement pressure grouting, holes, cracks/in or around hollow spots in staggered manner should be drilled having spacing in both the direction @ [C]
A) 150-500mm B) 450mm C) 500-750mm D) Suitably as decided by DEN
122. In cement pressure grouting, GI pipe pieces of diameter and length should be fixed with rich cement sand mortar in drilled holes [A]
A) 12 to 20 mm, 200 mm B) 12 to 20 mm, 300 mm
C) 12 to 25 mm, 200 mm D) 20 to 25 mm, 300 mm
123. The date of painting of steel work should be painted in on the outside of the left girder of the first span. [A]
A) White B) Yellow C) Grey D) Green
124. At important bridges, flood level gauges should be provided on abutments or on piers, which may be plastered with cement mortar ----- wide for providing gauges. [A]

- A) 380 mm B) 300 mm C) 450 mm D) 400
125. For riveting work in bridge, the air pressure of _____ kg/cm² is required [A]
A) 5.6 to 7 B) 5.0 to 5.6 C) 6.0 to 7.0 D) 7.0 to 8.0
126. Rivet renewal shall be carried in the end stiffeners of steel bridges, if loose rivets are [B]
A) > 20% B) > 30% C) > 40% D) > 50%
127. Railway steel girder bridges require painting at regular interval of [D]
A) 1 to 4 Years B) 3 to 4 Years C) 4 to 6 Years D) 1 to 6 Years
128. In S.C.Railway, periodicity of painting of steel girders is once in [A]
A) 4 to 6 years B) 1 to 6 years C) 3 years D) 1 year
129. The periodicity of painting of girder bridges in a Railway is prescribed by [B]
A) DRM B) Chief Engineer C) Dy.CE D) Sr. DEN
130. The periodicity of Floor System painting of girder bridges prescribed by the rank of [B]
A) DRM B) Chief Engineer C) Dy.CE D) Sr. DEN
131. Minimum Air pressure required for sand blasting for surface preparation during metallizing of steel girders [A]
A) 2.109 kg/cm² B) 3.109 kg/cm² C) 2.901 kg/cm² D) 3.901 kg/cm²
132. Nozzle position from the surface for sand blasting for surface preparation during metallizing of steel girders should be [B]
A) 12.5 cm B) 22.5 cm C) 32.5 cm D) 42.5 cm
133. In metallization process of steel girders, first layer of coating shall commence ____ of blasting of surface [A]
A) Within 4 hours B) After 4 hours C) Within 6 hours D) After 6 hours
134. On metalized girders, if existing paint is found flaked it should be removed only by [A]
A) Wire brush B) Scraper C) Chipping tool D) Any of the above
135. In welded girders, type of loads that affect the weld life (C)
A) Static load B) UDL C) Dynamic load D) Dead load
136. In girder bridges, painting should not be done when relative humidity is above ____ [A]
A) 90 % B) 95 % C) 80 % D) 70 %
137. In centralized articulated bearing (sliding type) of Girder Bridge the minimum expansion is _____ mm [A]
A) 12 to 20 B) 10-12 C) 18-20 D) 20-24
138. The direction of flow should be distinctly marked in ____ colour on abutment or piers [D]
A) White B) Red C) Yellow D) Black

139. In case of painting of steel girder bridges, the maximum time lag between Surface preparation & application of primer coat is ___ hrs. [D]
A) 6 B) 8 C) 12 D) 24
140. In case of painting of steel girder bridges, the maximum time lag between Surface preparation & 1st finishing coat in case of patch painting is _____ hrs. [B]
A) 24 B) 48 C) 12 D) 6
141. In case of painting of steel girder bridges, the maximum time lag between primer coat & finishing coat is ____ [C]
A) 1 day B) 48 hrs C) 7 days D) 2 weeks
142. In case of painting of steel girder bridges, the maximum time lag between 1st finishing coat & the 2nd finishing coat is [C]
A) 2 days B) 1 day C) 7 days D) 12 hrs
143. Shelf life of paint - Red lead ready mixed IS:102 is _____ months [B]
A) 2 B) 4 C) 1 D) 6
144. Shelf life of paint red oxide ready fixed IS:123 is _____ months [A]
A) 12 B) 4 C) 1 D) 6
145. Shelf life of Aluminum paint IS:2339 where paste and oil are not mixed is ____ months [C]
A) 2 B) 4 C) 12 D) 6
146. Shelf life of Aluminum paint - IS:2339 where paste & oil are mixed is _____ months [B]
A) 2 B) 4 C) 1 D) 6
147. Method of surface preparation done in case of Metallising based painting in Girder Bridge is----- [D]
A) Manual hand cleaning B) Flame cleaning
C) Sand blasting D) Both B) and C)
148. Frequency of Greasing to bearings of Girder in Bridges is once in ____ years [C]
A) 1 B) 2 C) 3 D) 5
149. The dia. of wire used in metalizing is ----- mm [A]
A) 3 to 5 B) 5 to 7 C) 7 to 10 D) More than 10
150. In case of sound condition of a bridge component, the no. given as CRN is ----- [C]
A) 0 B) 1 C) 5 D) 6
151. The no. of digits in case of URN of a major bridge is ----- [D]
A) 5 B) 6 C) 7 D) 8
152. In Elastomeric bearing, what is used as reinforcement to reduce bulging? [A]
A) Steel Plate B) Tor Steel Rod C) Aluminium Plate D) Plain Steel Rod

153. In which type bearings tooth bar is provided? [B]
A) Sliding Bearings B) Rocker and Roller bearing
C) Elastomeric bearing D) PTFE Bearings
154. In metalized painting at least 1 layer of coating must be applied with in ----- hours of blasting. [A]
A) 4 B) 12 C) 24 D) 48
155. The equipment are used for inspection of welded bridges [D]
A) Dye penetration kit B) Magnetic Crack Detector
C) Welding gauge D) All the above
156. The most common technique for repairs to fine cracks in masonry of bridges is ____ [A]
A) Epoxy Grouting B) Cement Grouting C) Both A&B D) None of these
157. CRN given for any component of a bridge not inspected during time of inspection is _ [A]
A) 0 B) 1 C) 5 D) 6
158. CRN given if any component of Bridge does not exist is _____. [D]
A) 0 B) 1 C) 5 D) 6
159. At locations where replacing rivets is difficult ____ of appropriate dia and length may be used. [C]
A) Unfinished bolts B) Ribbed bolts C) Turned bolts D) None of Above
160. After metallising first coat shall be _____. [D]
A) Zinc chromate primer B) Aluminium primer
C) Both of A and B D) Wash primer or Etch primer
161. ____ is used as lubricating the matting surface in case of PTFE bearing of Girder bridge. [B]
A) Graphite grease B) Silicon grease
C) Both A) and B) D) None of these
162. The least digit of the URN indicates _____. [B]
A) Foundation and flooring B) ORN of bridge as a whole
C) Superstructure D) None of these
163. In the case of sliding bearings, the girder is lifted a little over ____ and the bearing surfaces cleaned with kerosene oil and a mixture of black oil. [A]
A) 6 mm B) 12 mm C) 18 mm D) 24 mm
164. The guard rail is provided in bridges to [B]
A) prevent derailment in bridges B) prevent falling of vehicles during derailment
C) have good riding D) guide the wheels
165. Minimum earth cushion required over RCC Box is [C]

- A) 300 mm B) 600 mm C) 0 D) 1000 mm
166. The diameter of hole for 20 Dia rivet shall be [C]
A) 23 mm B) 18 mm C) 21.5 mm D) 22 mm
167. The minimum edge distance for rivets of diameter 'D' in steel plates shall be [C]
A) 2 x D B) 3 x D C) 1.5 x D D) 2.5 x D
168. For railway bridges with spans of 30.5m and above, generally provided with [B]
A) deck type girders B) open web through girders
C) semi through girders D) shallow type girders
169. The size of bridge timber required for the standard spans up to 18.3 m [A]
A) 250 x 150mm B) 250 x 180mm C) 250 x 240mm D) 250 x 200mm
170. In case of LWR track, full ballast section as specified in LWR Manual should be provided up to _____ from the bridge abutment. [D]
A) 200 m B) 50 m C) 300 m D) 100 m
171. Clear distance between consecutive sleepers not to exceed on bridges in BG is [A]
A) 450 mm B) 600 mm C) 510 mm D) 500 mm
172. Length of sleepers on BG Girder bridges should not less than [A]
A) 2440 mm B) 3660 mm C) 3000 mm D) 2600 mm
173. Minimum length of steel channel sleeper in BG [B]
A) 2500mm B) 2440mm C) 2400mm D) 2600mm
174. Length of bridge timber in BG [C]
A) Outer to outer of girder plus 305mm B) 2440mm
C) Whichever is more in (A) & (B) D) Whichever is less in (A) & (B)
175. For painting area, the unit of rate adopted in SSR is [C]
A) Sq.m. B) cum C) 10sq.m. D) 10cum
176. In case of derailment on the bridge, the extra rails provided over bridge to prevent damage and danger are known as [B]
A) Stock rails B) Guard rails C) Check rails D) Wing rails
177. The minimum cushion specified over an arch bridge is [C]
A) 0.5m B) 0.9m C) 1.0m D) 1.2m
178. Open web girders of span more than ____ metres are generally provided with camber [C]
A) 10m B) 20m C) 30.5m D) 35.2m
179. Depth of bridge timbers excluding notching should not be less than ____ mm for BG. [C]
A) 100 mm B) 125 mm C) 150 mm D) 200 mm

180. The clear distance between bridge timbers at joints should not exceed mm both for BG and MG. [B]
A) 250 mm B) 200 mm C) 180 mm D) 150 mm
181. The top table of the guard rail for BG, MG, NG should not be lower than that of the running rail by more than..... [B]
A) 30 mm B) 25 mm C) 20 mm D) 15 mm
182. On the bridge approaches, for a length of m, PSC sleepers with arrangement for fixing guard rails should be provided irrespective of the type of sleepers in the track. [C]
A) 80 m B) 75 m C) 100 m D) 125 m
183. On the bridge approaches, for a length of about 100 m, width of cess should be ____ cm clear of full ballast section. [C]
A) 50 cm B) 70 cm C) 90 cm D) 100 cm
184. Paint is the mixture of _____ [A]
A) Binder, pigment & solvent B) Binder & pigment
C) Pigment & solvent D) None of these
185. Oil bath bearings are generally provided for girders of spans of ____ and above [A]
A) 76.2 B) 45.7 C) 60 D) 30.5
186. Oil bath bearings are generally provided for _____ OWG considering difficulty for greasing [C]
A) Above 45.7 m B) Above 61 m C) Above 76.2 m D) 91.5m and Above
187. Knuckle pin is a part of ____ bearing [B]
A) Sliding bearing B) Rocker bearing
C) Elastomeric bearing D) PTFE bearing
188. The oil in the oil bath bearing is to be completely changed once in [C]
A) Once in a year B) Once in 3 years
C) Once in 5 years D) Need not be changed
189. Oil bath bearings should be inspected completely [D]
A) Once in a year B) Once in 2 years C) Once in 3 years D) Once in 5 years
190. Friction between the following mating surfaces is the least [D]
A) Steel over steel B) Steel over Elastomer
C) Stainless steel over Elastomer D) Stainless steel over PTFE
191. In elastomeric bearings, steel plates are used as reinforcement, to ____ [B]
A) Reduce volumetric shrinkage B) Reduce bulging
C) Reduce heavy compression D) Reduce excessive shearing

192. The formation level of major/important bridges is decided based on [B]
 A) Length of bridge B) HFL C) Discharge of river D) Width of river
193. The minimum wire mesh spacing should be ____ for Guniting work. [A]
 A) 50mm x 50mm B) 60mm x 60mm C) 70mm x 70mm D) 45mm x 45mm
194. The cleaning of ballast and drainage arrangements on Deck bridges are to be ensured annually _ [C]
 A) During monsoons B) After monsoons C) Before monsoons D) Any time
195. External pre-stressing may be adopted during following situations [D]
 A) To increase load carrying capacity B) To increase its flexural strength
 C) The existing cables have deteriorated D) Any of the above
196. The existing camber in through girders are measured by taking readings at [D]
 A) Top of running rails B) Top of sleepers
 C) On top of main girders D) At panel points
197. Spraying of hot metal on girder surface to prevent corrosion is called [B]
 A) Galvanization B) Metallization C) Electro plating D) None of the above
198. The locations in the girders which generally require patch painting [D]
 A) Upper surface of top chord members B) Inside surface of bottom chord members
 C) Top flanges of plate girders D) Any of the above
199. If epoxy grouting is not found effective, vertical pre-stressing will be necessary during maintenance of the following girders [C]
 A) Plate girders B) Through girders C) Composite girders D) PSC girders
200. On the selected bridges (identified by CBE), Tractive Effort is limited to ____ [C]
 A) 20T per Loco B) 25 T per Loco C) 30 T per Loco D) 35 T per Loco
201. T.E. LIMIT Indicator board shall be fixed before the bridge at a distance of [B]
 A) 25m B) 30m C) 50m D) 100m
202. Roller rocker bearings are provided in girders of span ____m and above [A]
 A) 30.5 B) 45.7 C) 18.3 D) 24.4
203. The channels get twisted symmetrically with regards to its axis [B]
 A) Parallel to web B) Parallel to Flanges C) Perpendicular to Flanges
 D) Perpendicular to Web
204. Stiffeners are used in a plate girder [D]
 A) To reduce the compressive stress B) To reduce the shear stress
 C) To take the bearing stress D) To avoid buckling of web plate
205. The minimum pitch of rivet holes of diameter 'd' should not be less than [D]

- A) d B) 1.25d C) 1.5d D) 2.5d
206. Frequency of painting of steel girder bridges in coastal areas. [B]
A) Every year B) Once in 4 year C) Once in 5 years D) Once on 6 years
207. Frequency of painting of steel girder bridges in non-coastal areas. (D)
A) Every year B) Once in 4 years C) Once in 5 years D) Once in 6 years
208. Periodicity of Underwater inspection for identified bridges [B]
A) Once in a year B) Once in two years
C) Whenever high flood occurs D) Along with detailed inspection of SE/Br
209. Camber of PSC girders shall be measured at ___ for the span up to 20 metres [A]
A) Centre B) Centre and quarter points C) Quarter points D) Any of the above
210. Camber of PSC girders shall be measured at ___ for the span more than 20 metres [B]
A) Centre B) Centre and quarter points C) Quarter points D) Any of the above
211. The property class of “10-S” embossed on the head of HSFG bolt, “S” denotes [C]
A) Steel B) Structural C) High strength structural D) Any of the above
212. The allowance grip (maximum total thickness of members) for M-22 HSFG Bolt [B]
A) 31 mm B) 34 mm C) 36 mm D) 42 mm
213. In HSFG bolts, if DTI is provided below the head of Bolt, or Nut, the feeler gauge used to check the tightness [C]
A) 0.1 mm B) 0.25 mm C) 0.40 mm D) 0.50 mm
214. In HSFG bolts, if DTI washers are provided, the feeler gauge used to check the tightness [B]
A) 0.1 mm B) 0.25 mm C) 0.40 mm D) 0.50 mm
215. In HSFG bolts, to check the full compression, the feeler gauge used [A]
A) 0.1 mm B) 0.25 mm C) 0.40 mm D) 0.50 mm
216. In HSFG bolts, where 4 or 5 number of indicator positions in DTI washers are provided, the minimum number of feeler gauge refusals are [A]
A) 3 B) 4 C) 5 D) 6
217. In HSFG bolts, where 6 or 7 number of indicator positions in DTI washers are provided, the minimum number of feeler gauge refusals are [B]
A) 3 B) 4 C) 5 D) 6
218. In HSFG bolts, where 8 or 9 number of indicator positions in DTI washers are provided, the minimum number of feeler gauge refusals are [C]
A) 3 B) 4 C) 5 D) 6
219. After tightening of HSFG bolts, if the feeler gauge cannot be inserted, it is called [A]
A) Refusal B) Tight C) Compact D) All of the above

220. Free Board is the level difference between Formation Level and _____ [B]
 A) Rail Level B) HFL C) Bed Level D) Danger Level
221. Minimum Free Board required in a bridge is [A]
 A) 1 m B) 1.20 m C) 600 mm D) 300 mm
222. Vertical Clearance (VC) in water way bridge is the level difference between [C]
 A) HFL and Formation level B) Bed level and bottom of superstructure
 C) HFL and bottom of superstructure D) Rail level and Formation level
223. Depth of construction in a girder bridge means the depth from [B]
 A) RL to HFL B) RL to top of bed block
 C) RL to bottom of bed block D) RL to Bed level
224. HFL marking on bridges up to 60m in length is done on [B]
 A) Upstream of one Abutment B) Downstream of one Abutment
 C) Upstream of both Abutments D) Downstream of both Abutments
225. HFL marking on bridges whose Length is more than 60m is done on [D]
 A) Downstream of both Abutments B) Downstream of piers of end spans
 C) A or B D) A and B
226. Flood level gauges shall be provided at the following bridges [C]
 A) Minor bridges B) Major bridges C) Important bridges D) All the above
227. Marking of Flood level gauges at important bridges commences from [A]
 A) Underside of girder towards bed B) Bed level towards underside of girder
 C) HFL towards bed D) Danger level towards bed
228. Marking of HFL for bridges is done [C]
 A) With white line B) With black line
 C) With white line along with year of occurrence
 D) With black line along with year of occurrence
229. Skew of a bridge is the angle between [C]
 A) C.L. of water course to C.L. of track B) C.L. of water course to C.L. of pier
 C) C.L. of water course/road to Normal (perpendicular) of C.L. of track
 D) C.L. of abutment to C.L. of pier
230. It is desirable to restrict the skew angle of minor bridges to [C]
 A) 20° B) 25° C) 30° D) 45°
231. For selection of site of Important railway bridges, the river should be surveyed for distance of ____ towards upstream side measured at right angles to centre line. [C]
 A) 2 kms. B) 5 kms. C) 8 kms. D) 10 kms.

232. For selection of site for Important railway bridges the river shall be surveyed for distance of ____ towards downstream side measured at right angles to centre line [A]
A) 2 kms. B) 5 kms. C) 8 kms. D) 10 kms.
233. Wing walls and return walls are provided to retain [A]
A) Earth on approaches B) Ballast C) Track on approaches D) None of these
234. The load transferred from rails to bottom flanges is in (B)
A) Deck type girder B) Through type girder
C) Semi-through type girder D) Plate girder
235. The medium to transfer loads from superstructure to substructure is called [C]
A) Abutment B) Bed block C) Bearing D) Pier
236. In S.C.Railway, inspection and maintenance of Bridge Bed Blocks is the responsibility of [B]
A) PWI B) IOW C) BRI D) Any of the above
237. One of the following is a shallow foundation [B]
A) Pile foundation B) Raft foundation
C) Under reamed pile foundation D) Well foundation
238. Foundation of Arch Bridge is considered as Shallow if the depth of foundation from bed level is [A]
A) Less than 2m B) Less than 1.2m C) Less than 1.5m D) Less than 1.8m
239. Walls constructed below Bed Level to protect the foundation of bridge from scour are called [C]
A) Drop wall B) Curtain wall C) Either of the above D) Toe wall
240. Scour of bed in bridges is generally observed on [B]
A) Upstream side of piers B) Downstream side of piers
C) On both sides D) Any one side
241. Scour formation at pier may lead to [A]
A) Tilting of pier B) Sinking of pier C) Movement of pier D) Leaning of pier
242. Generally, boulders which are stored for emergency purpose in Indian railway are of size of about [B]
A) Less than 20 cm B) About 30 cm C) Above 40 cm D) About 50 cm
243. Minimum vertical clearance (VC) for a slab/ girder bridge with discharge of 0-30 cumecs is [D]
A) 300 mm B) 1500 mm C) 1800 mm D) 600 mm
244. Minimum Vertical clearance for Girder bridges having Discharge 301-3000 Cumecs [C]
A) 600mm B) 1200mm C) 1500mm D) 1800mm

245. Maximum vertical clearance (VC) for a slab/ girder bridge with discharge above 3000 cumecs is [C]
A) 300 mm B) 1500 mm C) 1800 mm D) 600 mm
246. For end bearing piles, the minimum spacing of piles of diameter 'D' shall be (C)
A) 3D B) 2D C) 2.5D D) 5D
247. Weep holes are provided in (D)
A) Piers B) Trestle piers C) Foundation D) Abutments
248. Due to adverse environmental conditions, the Abutments or Piers suffer from (D)
A) Weathering B) Leaching C) Cracking D) Any of the above
249. Loss of binding power of cement/lime mortar in masonry piers/abutments over a period of time is called [B]
A) Weathering B) Leaching C) Loosening D) Rusting
250. Leaning or Bulging of Abutments is due to [D]
A) Excess earth pressure B) Excess hydrostatic pressure
C) Excess loading D) Any of the above
251. Weep holes are provided in Abutments and wing walls [C]
A) For the purpose of drainage B) To reduce hydrostatic pressure
C) Both A & B D) None of the above
252. Choked weep holes in an abutment or retaining wall may cause [C]
A) Weathering B) Leaching C) Leaning/Bulging D) Settlement of foundation
253. Occurrence of cracks in masonry or concrete in abutment/pier could be due to [D]
A) Age B) Excessive dynamic impact
C) Settlement of foundation D) Any of the above
254. What types of cracks may form in substructures due to differential settlement [B]
A) Horizontal cracks B) Vertical cracks C) Radial cracks D) Any of the above
255. What types of cracks more serious in nature in abutment/piers [A]
A) Horizontal cracks B) Vertical cracks C) Inclined cracks D) Any of the above
256. Due to inadequacy of cross section of substructure what type of cracks may form [A]
A) Horizontal cracks B) Vertical cracks C) Inclined cracks D) Any of the above
257. Propagation of cracks in substructure of bridges is observed by (C)
A) Painting B) Plastering C) providing tell-tales D) Any of the above
258. Provision of masonry or concrete buttress to a wall is a solution for the problem of [C]
A) Weathering B) Leaching C) Leaning/Bulging D) Cracking
259. Jacketing of the pier or abutment is suggested when: [D]

- A) horizontal cracks are forming B) insufficient cross section
C) defect in construction or excessive loads D) all of the above
260. Bulging/tilting/sliding of spandrel wall in Arch bridges is due to [D]
A) Excess back pressure B) Excess surcharge load
C) Not monolithic with arch D) Any of the above
261. At locations where access to the new bridge construction is available by rail, the launching of girders up to 18.3 m, which method is ideal? [C]
A) Slew in slew out method B) Gantry method
C) Launching of girders with the help of a BFR D) Pontoon method
262. The function of the pier is [C]
A) To take the dead & live load of intermediate spans
B) To protect the bank from erosion & guide the water flow
C) Both A & B D) None of them
263. The function of the return wall & wing wall is [C]
A) To retain the earth of approach bank
B) To protect the bank from erosion & guide the water flow
C) Both A & B D) None of these
264. Well foundation may be only of the following type [D]
A) Circular type B) D type C) Double D type D) Any of them
265. Maximum tilt specified during sinking of well foundation is [C]
A) 1 in 10 B) 1 in 50 C) 1 in 100 D) 1 in 150
266. In case of water crossing danger level [C]
A) Speed restriction be imposed B) Traffic be suspended till water recedes
C) Traffic be suspended till a responsible person inspects the site and declares it safe for running traffic D) All of these
267. Revision of the existing Danger level for a girder bridge can be done with the approval of [B]
A) AEN B) DEN/Sr.DEN C) CBE D) PCE
268. Bentonite is used in pile driving [C]
A) to facilitate pile driving B) to enable proper pile concreting
C) to stabilize the bore hole walls D) none of these
269. In A route pile load test, the test load is [B]
A) 1.25 times the design load B) 1.5 times the design load
C) 1.75 times the design load D) None of these
270. When track is supported on top flange of girder, the structure is called as [D]

- A) Through bridge B) Semi through bridge C) Semi-deck bridge D) Deck bridge
271. The rivets shank should be about _____ mm less than the diameter of the drilled hole [A]
A) 1.5 B) 1.0 C) 2 D) 0.5
272. Camber for plate girders up to 30.5m span is _____ mm [B]
A) 22.3 B) 0 C) 16.8 D) 14.6
273. A fillet weld may be termed as [D]
A) Miter Weld B) Concave Weld C) Convex Weld D) All the above
274. A fillet Weld where axis is parallel to the direction of the applied load in knows as [C]
A) Diagonal filler weld B) End Fillet Weld
C) Side fillet weld D) All the above
275. On existing bridges where there is nothing solid between sleepers to prevent a derailed wheel dropping, the clear distance between two consecutive sleepers shall not exceed
A) 510 mm B) 520 mm C) 530 mm D) 540 mm [A]
276. The clear distance between the joint sleepers shall not, however, exceed and that between the two consecutive sleepers in all new constructions and in existing bridges when regirdering or carrying out through sleeper renewal. [B]
A) 190mm, 440mm B) 200mm, 450mm C) 210mm, 460mm D) 220mm, 470mm
277. Bridge sleepers resting outside to outside of girder flanges subject to a minimum of
A) 2420 mm B) 2430 mm C) 2440 mm D) None of these [C]
278. The minimum length of steel trough sleepers should be the distance outside to outside of girder flanges subject to a minimum of [D]
A) 2410 mm B) 2420 mm C) 2430 mm D) 2440 mm
279. Height of Road Over Bridges and Foot Over Bridges - Minimum height above rail level for a distance of 915mm on either side of the centre of track for overhead structures
A) 4875 mm B) 4775 mm C) 4675 mm D) 4575 mm [A]
280. Tunnels, through and semi-through girder bridges - Minimum distance of centre to centre of track for existing lines [D]
A) 4195 mm B) 4295 mm C) 4395 mm D) 4495 mm
281. Tunnels, through and semi-through girder bridges - Minimum distance of centre to centre of track for new works and alteration to existing works _____ [B]
A) 4925 mm B) 4725 mm C) 4525 mm D) 4325 mm
282. Height of Over Head Structures – Minimum height above rail level for a width of 1600 mm on either side of centre of track, of a signal gantry or a foot over bridge in a passenger station [A]

- A) 6250 mm B) 6240 mm C) 6230 mm D) 6220 mm
283. Angle of crossing of a bridge is the angle between [A]
 A) C.L. of water course/road to C.L. of track
 B) C.L. of water course to C.L. of pier
 C) C.L. of water course to normal (perpendicular) of C.L. of track
 D) C.L. of abutment to C.L. of pier
284. In a single span bridge, the clear span is the distance between [B]
 A) Centres of Abutments B) Inner faces of Abutments
 C) Outer faces of Abutments D) Width of Abutment
285. Sub structure of a bridge does not include [B]
 A) Abutment B) Girder/Slab C) Piers D) Wing and Return walls
286. Super structure of a bridge includes [A]
 A) Girder/Slab B) Abutment C) Piers D) Bed block
287. In shallow type girders, the rail level shall be [A]
 A) 25 mm above the top flange of girder B) Near the bottom of the girder
 C) Near the middle of the girder D) Below the girder
288. The load transferred from rails to web of girders is in [C]
 A) Deck type girder B) Through type girder
 C) Semi-through type girder D) Plate girder
289. Temporary staging for casting PSC Box Girder for a ROB over the Railway span shall be removed [D]
 A) After hardening of concrete B) Before hardening of concrete
 C) During concreting D) After stressing the cables
290. The horizontal clearance of edge of foot over bridge structure from face of platform is [B]
 A) 6525 mm B) 3660 mm C) 5330 mm D) 5300 mm
291. The vertical clearance of bottom most foot over bridge structure above rail level is [A]
 A) 6525 mm B) 3660 mm C) 5330 mm D) 6250 mm
292. Steel channel sleepers are provided in bridges with superstructure of [C]
 A) PSC slab B) PSC girder C) Steel girder D) RCC Box
293. The minimum vertical clearance above R.L. to bottom of ROB near the yard shall be [B]
 A) 6525 mm B) 5870 mm C) 2360 mm D) 6250 mm
294. The minimum vertical clearance in RUB in rural area shall be [C]
 A) 5870 mm B) 6525 mm C) 5000 mm D) 5500 mm
295. The minimum vertical clearance in RUB in urban area shall be [D]

- A) 5870 mm B) 6525 mm C) 5000 mm D) 5500 mm
296. The embankment width in approach of the bridge shall be [C]
A) 5870 mm B) 6525 mm C) 6850 mm D) 6000 mm
297. Bearings are provided in bridges in order to [D]
1) distribute the load from superstructure on a large area and to transfer to piers
2) allow the girder of the bridge to take free angular movement at the ends when loaded
3) allow free movement of girders due to temperature variations
4) prevent excessive damage to the bridge if any pier sinks slightly
Of the correct versions are
A) 2, 3 and 4 B) 1, 2 and 3 C) 1, 2 and 4 D) 1, 2, 3 and 4
298. The rivets which are heated and then driven in the field are known as [B]
A) Power driven shop rivet B) Power driven field rivets
C) Hand driven rivets D) Cold driven rivets
299. The pressure on soil worked out shall be the SBC of the soil. [D]
A) more than B) equal to C) not equal to D) less than
300. _____ soil has the least SBC of the soil. [C]
A) Hard moorum B) Stiff clay C) Black cotton soil D) Soft rock
301. Testing of welds done by [D]
A) Dye penetrant test B) Magnetic particle inspection
C) Radiographic inspection D) All the above
302. Rebound hammer is used for [A]
A) To find the strength of concrete B) To form rivet heads
C) To break the concrete structures D) None of the above
303. Ultrasonic Pulse Velocity test is meant for [A]
A) Identifying the integrity of concrete B) Finding the strength of concrete
C) To know the crack in steel structure D) To know the flaw in rail
304. Speed restrictions is suggested for bridges with CRN-1 [A]
A) Up to maximum of 15 kmph B) 25 kmph C) 50 kmph D) 60 kmph
305. Speed restrictions is suggested for bridges with CRN-2 [B]
A) Up to max. of 15 kmph B) 25 kmph to 50 kmph C) 75 kmph D) 60 kmph
306. Settlement of foundations or Tilted piers and/or abutments will be given CRN as [A]
A) 1 B) 2 C) Either of the above D) None of the above
307. Girder bridges with camber loss are called [B]
A) Under-stressed bridges B) Over-stressed bridges

- C) Incapable bridges D) Not usable bridges
308. Cracks in return walls/ wing walls or Slight tilting/ bulging of abutments are the signs of distressed bridge are given CRN as [B]
A) 1 B) 2 C) Either of the above D) None of the above
309. In arch bridges, Cracks/ lean/ bulge in parapet walls, Bulging or separation of spandrel from arch barrel, are the signs of bridge are given CRN as [B]
A) 1 B) 2 C) Either of the above D) None of the above
310. What types of cracks are more serious in Arch barrel (intrados) [C]
A) longitudinal cracks B) hair cracks
C) Transverse or diagonal cracks D) Any of the above
311. Leaning of parapet wall in Arch bridges is due to [D]
A) Excessive back pressure B) Inadequate barrel length
C) Lack of poor drainage D) Any of the above
312. RH girder should be stacked at a minimum distance from centre of track [C]
A) 2435 mm B) 2515 mm C) 2360 mm D) 2630 mm
313. Temporary arrangements for rebuilding of Railway bridges can be [D]
A) Temporary diversion B) Rail cluster C) R. H. Girder D) Any of them
314. Maximum speed for ORN - 1 given bridges is _____Kmph [D]
A) 10 B) 15 C) 20 D) At the discretion of Inspecting Authority
315. Which of the following are the Protection Works at bridges [D]
A) Guide bunds B) Spurs C) Aprons D) All the above
316. Wall constructed at the bottom of stone pitching on slopes of bank is called [C]
A) Curtain wall B) Drop Wall C) Toe wall D) Spur
317. Stone pitching is provided on bank slopes for the purpose of [C]
A) To prevent sinking B) To prevent movement
C) To prevent erosion D) To give drainage to bank
318. Permissible stresses of steel in tension having yield stress f_y is taken as [B]
A) $0.5 f_y$ B) $0.55 f_y$ C) $0.60 f_y$ D) $0.65 f_y$
319. Which type of bearings allow longitudinal, lateral and rotational displacements [C]
A) Sliding Bearings B) Roller Bearings
C) Elastomeric Bearings D) Pot Bearings
320. Bearing to be provided at a fixed end of a bridge [D]
A) Sliding Bearings B) Roller Bearings C) Elastomeric Bearings D) Pot Bearings
321. Well foundations are generally used for ____ bridges [D]

- A) Minor Bridge B) Major Bridges C) Important Bridges D) B or C
322. Defect in arch bridges like crushing of masonry may be due to [D]
 A) Leaching of mortar joints B) Excessive loading
 C) Inadequate cushion over arch D) Any of the above
323. Loosening of keystone or voussoirs in arch bridge is due to (D)
 A) Settlement/tilting of pier/abutment B) Hammering effect of traffic
 C) Loss of jointing material D) Any of the above
324. Honeycomb is a type of a defect generally present in [B]
 A) Steel Structures B) Concrete structure
 C) Wooden structures D) Stone masonry
325. Admixtures are added to the concrete for the purpose of [D]
 A) To impart non-shrinkable property B) To improve workability
 C) To increase setting time D) Any of the above
326. In the process of cement pressure grouting, the state of grout shall be [C]
 A) Watery B) Gel C) Colloidal D) Stiff
327. For cement pressure grouting, drilling of holes is done up to ____ diameter. [C]
 A) 16 mm B) 20 mm C) 25 mm D) 30 mm
328. For cement pressure grouting, spacing of holes adopted is generally [B]
 A) 300 to 500mm B) 500 to 750mm C) 750 to 1000mm D) 1000 to 1500mm
329. Before setting out base lines for construction of bridges, tape readings should be corrected for [D]
 A) Tension & Temperature B) Temperature & Slope
 C) Tension & Slope D) All of the above
330. For Railway bridge construction, in case of pile foundation, the dia. of bored piles of size normally provided is [B]
 A) 0.6m B) 1m or more C) 2m D) Any diameter
331. In stagnant water, well construction could be done by [C]
 A) Floating caisson method B) Dry dock method
 C) Artificial sand island method D) Construction in dry river bed
332. The minimum factor of safety of pile foundations shall be [D]
 A) 1.5 B) 1.75 C) 2.0 D) 2.5
333. Minimum thickness of Top plug of well foundation shall be [A]
 A) 300mm B) 400mm C) 500mm D) 600mm
334. Thickness of the steining is decided upon the consideration of [C]

- A) Size of the bond rods B) facilitate manual inspection of the steining
C) To enable the well to be self-sinking D) Maximum size of aggregate in concrete
335. While replacing a loose rivet, not more than ____% rivets at a joint should be cut at a time.
A) 20% B) 10% C) 30% D) 50% [B]
336. The axle load for design of bridges in MBG-1987 loading is [D]
A) 29 MT B) 20 MT C) 22.5 MT D) 25MT
337. The weight of BG standard welded girder of 12.20 m span is - [D]
A) 10.5 MT B) 17.16 MT C) 15.00 MT D) 9.93 MT
338. While doing works on a bridge under protection, banner flag should be erected at a distance of ____ m from the place of work. [C]
A) 5 m B) 100 m C) 600 m D) 1200 m
339. Speed indicator board should be erected at a distance of _____m ahead of the bridge abutment under repair. [D]
A) 15 m B) At the bridge abutment C) 100 m D) 30 m
340. Aluminum paint is generally used in bridge painting work because - [D]
A) Ease of observing cracks in steel surface B) Bright appearance
C) Not prone for blisters D) All of the above
341. The purity of Aluminum in metalizing as per IS:2590 should be [D]
A) 98% B) 98.5% C) 99% D) 99.5%
342. Weight of standard BG welded girder of span 18.3m [D]
A) 23.28 MT B) 25.28 MT C) 21.28 MT D) 27.28 MT
343. For field riveting of main components, if the hole Dia is 23.5mm, then the rivet dia should be (B)
A) 22.5 mm B) 22 mm C) 21.5 mm D) 20 mm
344. Steel for rivets should conform to - [C]
A) IS : 2062 B) IS : 221 C) IS : 1148 D) IS : 1929
345. First coat of Metalizing should be done after sand blasting [A]
A) As soon as possible but not later than 4 hrs B) After 12hours
C) After 6 hours D) After one day
346. Extra Air in the Air Compressor should be released by means of - [A]
A) Safety valve B) Opening the mount piece C) Unloader valve D) Reflex valve
347. Size of C.C.Crib used for temporary staging is [A]
A) 1800x600x600mm B) 1500x600x600mm C) 1500x500x500mm D) 1800x500x500mm
348. UTS stands for [D]

- A) Universal tensile stress B) Universal torque steel
C) Ultimate tension steel D) Ultimate tensile strength
349. Repair / rehabilitation of bridges shall be carried out based on [A]
A) Unique rating number B) Year of construction
C) Availability of funds D) Any of the above
350. If you observe excess cross level on track on a particular pier, it indicates [D]
A) Sinking B) Tilting C) Bulging D) Both or any of A & B
351. Drop/curtain walls may be provided at the following [C]
A) Deep foundations B) Pile foundations C) Shallow foundations D) Well foundations
352. Excessive longitudinal / lateral forces due to dynamic effect of traffic leads to [D]
A) Shaken bed block B) Cracks in bed block
C) Cracks in masonry joints D) Any of the above
353. During inspection of bridge, if you observe shaken / cracked bed block, what action to be taken immediately [A]
A) Impose caution order B) Inform higher authority
C) Cement plastering D) Inform to SSE/JE/Works
354. Minimum grade of concrete for framed structures/viaducts/flyovers/road over bridges is [B]
A) M20 B) M25 C) M30 D) M35
355. For construction of abutment/piers in water, required arrangements are [C]
A) Cofferdam B) Temporary sheet piles C) Any of the above D) None
356. In abutments, spacing of weep holes should be provided at a distance of ___ in a staggered manner [C]
A) 450 mm B) 600 mm C) 1000 mm D) 1500 mm
357. Rail cluster, as temporary arrangement can be used up to a span of [A]
A) 3.66m B) 6.1m C) 12.2m D) 15.0m
358. The height gauge needs to be provided in [B]
A) ROB B) RUB C) FOB D) Fly Over
359. The temporary girders are generally required for the bridge works [A]
A) on traffic condition B) under mega block
C) in cut and open method D) in new route
360. The BIS code for prestressing steel of plain hard drawn steel wire is [A]
A) IS:1785 (part I) B) IS:2090 C) IS:6006 D) IS:226
361. A bridge having super structure with “Single or duplicate girders with cross sleepers on top flanges” is classified as [C]

- A) RSJ girder bridge B) Cross Girder C) Deck plate girder D) Open web girder
362. Designated span to Restricted head (RH) girder is equal to [A]
A) Overall length B) C/C span C) Clear span D) None of these
363. Structural steel for railway loading above 0° C temperature conforms to [B]
A) IS 2062 grade A B) IS 2062 grade B C) IS 2062 grade C D) None of these
364. Structural steels for fabrication of welded girders should conform to [B]
A) IS:2062 Grade A B) IS:2062 Grade B0 C) IS:2063 Grade A D) IS:2063 Grade B
365. Weight of steel crib 75x75x10mm angles [B]
A) 200kg B) 187.2kg C) 210kg D) 185kg
366. 'C.C.' in - C.C. Crib stands for [C]
A) Cement Crib B) Criss crossing C) Christ church D) Christ Crossing
367. Speed restriction required for using CC cribs as temporary arrangement is [B]
A) 15kmph B) 20kmph C) 25kmph D) 30kmph
368. Trestles can be used up to a height of [C]
A) 6.1m B) 10.5m C) 12.2m D) 18.3m
369. Ratio of Dia of drum of the winch to the Dia of the wire rope is ____ [A]
A) 10:1 B) 6:1 C) 12:1 D) 8:1
370. The standard length of PSC slab of span 6.1 m is ____ m [D]
A) 6.83 B) 6.1 C) 6.90 D) 7.15
371. The standard length of PSC slab of span 9.15 m is ____ m [C]
A) 9.15 B) 10.15 C) 10.28 D) 10.9
372. The standard length of steel Girder of span 12.2m is ____ m [B]
A) 12.9 B) 13.3 C) 13.0 D) 12.8
373. The standard length of steel Plate Girder of span 30.5m is ____ m [A]
A) 32.45 B) 32.2 C) 33.45 D) 31.1
374. Duplicated girder spans generally used in [B]
A) ROBs B) RUBs C) FOBs D) None of the above
375. For the design of footpath or F.O.B, load considered for design purpose is [B]
A) 480 kg/m² B) 490 kg/m² C) 500 kg/m² D) 510 kg/m²
376. Lateral bracing of girders are subjected to ____ type of forces [C]
A) traction B) braking C) racking D) twisting
377. Intermediate stiffeners are used in plate girders to prevent ____ of web plate [D]
A) buckling B) bending C) warping D) twisting
378. steel conforming to IS:8500 used for girders of spans ____ [D]

- A) 30.5 m and above B) 61 m and above C) 76 m and above D) 90 m and above
379. Steel rivets confirming to IS:1149 used for the following girder fabrication [C]
A) 61 m B) 76.2 and above C) 91.5 m D) any of the above
380. Bottom lateral bracings are provided for plate girders of span ____ m and above [B]
A) 18.3 B) 24.4 C) 30.5 D) all of these
381. Additional flange plates are provided in the middle portion of plate girders for the purpose of taking care of higher forces of _____ [B]
A) tensile B) higher bending C) higher shear D) compression
382. Stiffener spacings and rivet spacings reduced nearer the support of plate girder bridges for the purpose of resisting _____ type of forces (D)
A) Impact B) buckling C) tensile D) shear
383. Outstanding leg of stiffener of plate girder bridge acts like a [A]
A) strut B) tie C) beam D) any of the above
384. In the welded girders, stiffener & web plate connection, which of the following is latest
A) nut bolt B) welding C) riveting D) any of the above [C]
385. In welded girder flange plates are provided wider plates in the middle portion when compared to near support. At the junction of these the provided slope is [A]
A) 1:5 B) 1:4 C) 1:3 D) 1:3½
386. Fillet welds of girder bridges fabrication in the workshop done by [D]
A) MMAW B) GMAW C) TIG welding D) SAW
387. In SAW, length of weld with respect to length of wire fed approximately [C]
A) 25 % B) 30% C) 33% D) 38%
388. At the free end, Bearings provided for composite girders are [D]
A) sliding B) roller C) elastomer D) bronze
389. During fabrication of open web girders, each gusset is marked and drilled as per [A]
A) nominal length B) cambered length C) any of above D) as per site condition
390. Under slung girders are used generally in _____ [B]
A) Plain section B) Ghat section C) Aqueducts D) Viaduct
391. The clear distance between consecutive sleepers laid over unballasted bridge on BG should not exceed [C]
A) 300mm B) 400mm C) 450mm D) 550mm
392. Maximum centre to centre spacing of steel channel sleepers for BG is mm [D]
A) 500 mm B) 620 mm C) 740 mm D) 680 mm
393. The total cost of a bridge to be minimum [B]

- A) The span of the bridge should be equal to economic span
- B) The cost of one pier should be equal to cost of main girders
- C) The cost of one pier should be equal to cost of one abutment
- D) The cost of one girder should be equal to cost of roadway slab

The correct statements are

- A) 1 and 3 B) 1 and 2 C) 2 and 3 D) 1, 2 and 4

394. Steel with carbon content of 0.10% to 0.25% is called [B]
 A) Medium carbon steel B) Mild steel, low carbon steel
 C) Extra hard steel D) High carbon steel
395. Steel with carbon content of 0.26% to 0.60% is called [A]
 A) Medium carbon steel B) Mild steel, low carbon steel
 C) Extra hard steel D) High carbon steel
396. Steel with carbon content of 0.60% to 1.25% is called [D]
 A) Medium carbon steel B) Mild steel, low carbon steel
 C) Extra hard steel D) High carbon steel
397. Steel with carbon content of over 1.25% is called [C]
 A) Medium carbon steel B) Mild steel, low carbon steel
 C) Extra hard steel D) High carbon steel
398. With a percentage increase on carbon in steel decreases [D]
 A) Strength B) Hardness C) Brittleness D) Ductility
399. The Indian Standard Code which deals with steel structures in [B]
 A) IS:875 B) IS:800 C) IS: 456 D) IS:1893
400. As per RDSO instructions, additional anchor bolts required for running 25T axle load trains on KR, RV Line and KK line = [A]
 A) 4 Nos. per span B) 6 Nos. per span C) 8 Nos. per span D) None of these
401. Indian standard specification for structural steels is _____. [B]
 A) IS 126 B) IS 226 C) IS 326 D) IS 426
402. Indian standard specification for Galvanized sheets steel is _____. [C]
 A) IS 273 B) IS 275 C) IS 277 D) IS 279
403. The steel channel sleeper designed by RDSO bearing Drg. No. ____ is suitable for BG and MG. [A]
 A) RDSO/B-1636 B) RDSO/B-1536 C) RDSO/B-1436 D) RDSO/B-1336
404. In steel channel sleeper the rolling and cutting tolerances shall be in accordance with ____ [D]
 A) IS: 1252 B) IS: 1452 C) IS: 1652 D) IS: 1852

405. As per extent RDSO's instruction, in girder bridges normal saddle bolts are to be replaced by _____ of property class 66. [A]
 A) Higher strength bolts B) Ribbed bolts
 C) Turned bolts D) None of these
406. Economical span for masonry arch bridges are [A]
 A) 3 m to 15 m B) 1 m to 3 m C) 6 m to 15 m D) 1 m to 6 m
407. Economical span for girder and beam bridges are [B]
 A) 20 m to 90 m B) 12.2 m to 90 m C) 10 m to 60 m D) 10 m to 90 m
408. Economical span for slab bridges are [B]
 A) Up to 6 m B) Up to 9 m C) Up to 12 m D) Up to 15 m
409. A local weld used to assist assembly is called [A]
 A) Tack weld B) Tuck weld C) Tick weld D) Fillet weld
410. A Jig is usually an appliance which guides [D]
 A) Marking B) Cutting C) Drilling of holes D) All the above
411. Jigs are useful for [C]
 A) Small quantity of repetition of work B) Medium quantity of repetition of work
 C) Large quantity of repetition of work D) None of the above
412. Preferred flooring of a template shop is [B]
 A) Cement flooring B) Steel flooring C) Tiles flooring D) Brick
413. Template layout is done to a scale of [A]
 A) 1:1 B) 1:2 C) 1:4 D) 2:1
414. Bushes are provided for ____ Jigs [B]
 A) Master Jigs B) Working Jigs C) Both A & B D) None
415. In a drawing, the no. of views that are normally drawn [A]
 A) 3 B) 2 C) 4 D) 1
416. Thickness of MS plate is measured accurately with [D]
 A) Steel scale B) 30m Steel tape C) 5m Steel tape D) Vernier callipers
417. With the use of Jigs and fixtures, quality & quantity of production will [A]
 A) Increase B) Decrease C) Remains same D) Jigs are not used in production
418. Which of the following is not correct about jig? [D]
 A) It is used to hold the work B) It is used to position the work
 C) It is used to guide the cutting tool D) None of the above
419. In which of the following operations, jigs are preferred over fixture? [A]
 A) Drilling B) Turning C) Milling D) Grinding

420. Parts of girder are marked as per _____ nomenclature in drawing. (B)
A) Parts list B) Shipping list C) Spares list D) Template list
423. HSFG bolts can be used for ____ number of times [A]
A) Only Once B) 2 C) 3 D) Any number of times
424. What is the height of bush provided for working jigs [C]
A) 10 mm B) 12 mm C) 20 mm D) 30 mm
425. Master jigs are used for [A]
A) Making working jigs B) Drilling holes in girder members
C) Drilling holes in cover plates D) None
426. Fabrication of steel girders of Indian railways should be as per [B]
A) IRS A-1 specifications B) IRS B-1 specifications
C) IRS A-2 specifications D) IRS B-2 specifications
427. Steel structures subjected to non-critical loading can be fabricated with steel conforming to [A]
A) IS:2062 Grade 'A' B) IS:2062 Grade 'BR'
C) IS:2062 Grade 'B0' D) IS:2062 Grade 'C'
428. Steel structures subjected to critical loading shall be fabricated with steel conforming to [C]
A) IS:2062 Grade 'A' B) IS:2062 Grade 'BR'
C) IS:2062 Grade 'B0' D) IS:2062 Grade 'C'
429. In Jammu & Kashmir area, steel to be used for construction of railway steel bridges should conform to [D]
A) IS:2062 Grade 'A' B) IS:2062 Grade 'BR'
C) IS:2062 Grade 'B0' D) IS:2062 Grade 'C'
430. During temporary fabrication of steel structures, Drifts shall be used [C]
A) Max. of 20% of holes B) Max. of 30% of holes
C) Max. of 40% of holes D) Max. of 50% of holes
431. Holes for Fabrication of steel structures are to be made by [C]
A) Gas cutting B) Punching C) Drilling D) Any of the above
432. Full form of D T I washers used for HSFG bolts [D]
A) Direct Tack Indicator B) Different Tension Indicator
C) Direct Tension Impression D) Direct Tension Indicator
433. Number of stages required in the tightening process of HSFG Bolts [B]
A) One stage B) Two stages C) Three stages D) Four stages
434. Feeler gauge is used to check the [C]
A) Length B) Angle C) Gap D) Thickness

435. Maximum grip length for HSFG bolts shall not exceed ___ times Dia of bolt [A]
A) 10 B) 12 C) 14 D) 16
436. HSFG bolts are generally used in replacement of [D]
A) Black bolts B) High tensile bolts C) Welding D) Rivets
437. Load transferring at HSFG bolts connections is by [A]
A) Friction B) Tension C) Shearing D) Compression
438. First digit of “8-8” or “8S” which is embossed on head of HSFG bolt denotes [C]
A) 8 N/mm² B) 80 N/mm² C) 800 N/mm² D) 8000 N/mm²
439. The gap between washer and head of HSFG bolt is checked by [C]
A) Steel scale B) Tape C) Feeler gauge D) Any of the above
440. The Most suitable & durable method of surface protection of steel girders is [C]
A) Enamel paint B) Primer with two coats of paint
C) Metallization D) Any of the above
441. For Metallization, the metal used for coating is [C]
A) Zinc B) Aluminium C) Any of the above D) None of the above
442. Minimum thickness of metal coating of metallization specified in IRBM [B]
A) 100 μ B) 115 μ C) 120 μ D) 150 μ
443. As specified in IRBM, average thickness of metal coating of metallization shall be [D]
A) 100 μ B) 110 μ C) 120 μ D) 150 μ
444. Life of Epoxy painting system in steel girder bridges [D]
A) 5 to 8 years B) 8 to 10 years C) 10 to 12 years D) 12 to 15 years
445. During fabrication, type of welds used to hold components in proper location & alignment
A) Stick weld B) Tack weld C) Arc weld D) Gas weld [B]
446. The camber measured after fabrication & assembly of girders supported on ends with all intermediate supports removed is called [A]
A) Dead load camber B) Live load camber C) Design camber D) Negative camber
447. Before erection in the field, every work shall be stencilled with paint of size [C]
A) 6 mm B) 8 mm C) 10 mm D) 12 mm
448. Loss of camber of steel girders can be due to - [D]
A) Heavy over stressing of members B) Over stressing of joint rivets
C) Play between rivet holes and rivet shanks D) Any of these.
449. The visible & measurable camber in the girder without external load is called ___ [B]
A) Design camber B) Dead load camber C) Live load camber D) All of these
450. Loss of camber in open web girder may be due to [D]

465. Manner of failure of riveted joint can be [D]
A) Tearing of plate B) Bearing of plate on rivets
C) Edge cracking D) Any of the above
466. Life of first group rivets, i.e. workshop rivets is about [D]
A) 30 to 40 years B) 40 to 60 years C) 60 to 80 years D) 80 to 100 years
467. The colour of Oxygen pipe is [A]
A) Black B) Red C) Maroon D) None
468. Acetylene cylinder and hose connection nut threads have [B]
A) Right hand B) Left hand C) Plain D) Simple
469. If the weld is made from left to right it is known as [A]
A) Fore-hand welding B) Back-hand welding
C) Vertical welding D) None of the above
470. In CO₂ welding [B]
A) Flux is used B) No flux is used C) Both A & B D) None of the above
471. If the weld is made from right to left it is known as [B]
A) Fore-hand welding B) Back-hand welding
C) Vertical welding D) None of the above
472. In SAW, the flux is in the form of [C]
A) Coating on the electrodes B) Core wires C) Granules D) An inert gas
473. In electric resistance welding [B]
A) Voltage is high and current is low B) Voltage is low and current high
C) Both voltage and currents are high D) Both voltage and currents are low
474. In which form Acetylene is stored [C]
A) Solid form B) Gaseous form C) Liquid form D) None of the above
475. HAZ means [A]
A) Heat affected zone B) Hard annealed zone
C) Heat area zone D) Hazard affected zone
476. The type of filler wire used in CO₂ welding [A]
A) Copper coated mild steel B) Copper wire
C) Both A & B D) None of the above
477. Current (Amperage) to be used in arc welding depends upon [C]
A) Plate thickness B) Arc gap C) Electrode dia D) Other consideration
478. The colour indication obtained in DPT for blow holes depends on [A]
A) Developer B) Penetrant C) Both a & B D) Anyone

479. In the arc welding, the earth cable is connected to which terminal [B]
A) +ve B) -ve C) Neutral D) None
480. Radio-graphic test comes under which type of test? [A]
A) Non-destructive B) Destructive C) Both A & B D) Semi-destructive
481. Quality of Submerged arc welding of plate girders is checked by [C]
A) Mechanical test B) Destruction test
C) Non-destructive test D) Semi-destructive
482. What is the colour of hose pipe supplying acetylene gas [A]
A) Red B) Green C) Blue D) Yellow
483. During gas cutting work, the position of oxygen cylinder to be maintained is [A]
A) Horizontal B) Vertical C) Any position D) Slant position
484. During gas cutting work, the position of Acetylene cylinder to be maintained is [B]
A) Horizontal B) Vertical C) Any position D) Slant position
485. Butt welds (in welded girders) shall be tested by [D]
A) USFD B) Visual C) Dye penetration test D) Radiographic test
486. Flash Butt welding is ____ welding [A]
A) Resistance Arc B) Gas welding C) TIG D) CO₂
487. Size of electrode use in CO₂ welding [D]
A) 4mm B) 1.6 mm C) 1.2mm D) Both B & C
488. DPT is which type of weld test [A]
A) Non Destructive test B) Destructive test C) Both A & B D) None
489. Which of the following joints have higher corrosion resistance? [A]
A) Welded joint B) Riveted joint C) Bolted joint D) None of the above
490. Double-V and double-U butt welds are used for plates of thickness [D]
A) 1-5mm B) 5-10mm C) 10-15mm D) Above 15mm
491. In oxy-acetylene welding, the flame temperature is [D]
A) 1600-1700°C B) 2000-2100°C C) 2500-2600°C D) 3200-3300°C
492. Which flame is suitable for cutting operations? [A]
A) Oxidising flame B) Carburising flame C) Neutral flame D) None of the above
493. A gap of _____ is maintained for producing sound weld [B]
A) 1mm B) 3mm C) 5mm D) 7mm
494. Electrodes for arc welding are manufactured in two standard lengths of [B]
A) 250mm & 300mm B) 350mm & 450mm C) 400mm & 500mm D) 300mm & 250mm
495. Which gas is used for cutting of steel deep under water (B)

- A) Acetylene B) Hydrogen C) LPG D) Methane
496. While gas cutting the steel plate, the gap between nozzle & plate surface should be
A) Zero B) 1.5 to 3mm C) 3 to 5mm D) > 10mm [B]
497. Which of the following Rays is not produced during welding [A]
A) Gamma Rays B) Visible light rays C) Infra-Red ray D) Ultra violet rays
498. Which of the following type is not a fillet weld [A]
A) Butt Joint B) Lap joint C) T-Joint D) Corner joint
499. The shelf-life of ready mixed Red Oxide Zinc Chrome (IS:2074) is (D)
A) 2 months B) 4 months C) 6 months D) 1 year
500. The destructive test used for testing the quality of the weld is [A]
A) Mechanical test B) USFD test C) Ultrasonic test D) Radiographic test
501. The template is a true scale copy of - [C]
A) 3-Dimensional object B) 4-Dimensional object
C) 2-Dimensional object D) No dimensional object
502. Metalizing should be done after sand blasting [A]
A) Immediately B) After 6 hours C) After 12 hours D) After one day
503. GAD Stands for [A]
A) General Arrangement Drawing B) General Arrangement Designs
C) General Agreement Drawings D) General Agreement Designs
504. Bridges may be rehabilitated due to the following reason(s) [D]
A) Physically damaged B) Early steel girders
C) Cast iron screw piles D) Any of the above
505. For concrete construction of Abutment/piers, concreting shall conform to [D]
A) IS:269 B) IS:383 C) IS:455 D) IS:456
506. All concreting in Pre-stressed Concrete shall be done with ____ [D]
A) Volume basis B) Manual weighment C) Lot basis D) Weigh batching
507. For High strength OPC of IS:8112 (Grade 43) the strength of cement at 28days is [B]
A) 81 MPa B) 43 MPa C) 430 MPa D) 4.3 MPa
508. Which of the following is used for concreting [D]
A) Well water B) River water C) Sea water D) Potable water
509. Curing of concrete is very important to ensure [A]
i. Maximum durability & minimum cracking
ii. Minimum durability & minimum cracking
iii. Maximum durability & maximum cracking

iv. Minimum durability & maximum cracking

510. For attaining good concrete structure, the following are important [D]
A) Sufficient clear cover B) Good compaction C) Curing D) All the above
511. Drainage arrangement of deck slab bridges must be cleaned ____ [B]
A) In dry seasons B) Before monsoon C) During monsoon D) After monsoon
512. Minimum grade of concrete for PSC work shall be ____ as per IRBM [D]
A) M20 B) M25 C) M30 D) M35
513. For Box / Pipe Culverts, Danger level shall be at the ____ [A]
A) Bottom of the slab B) 150 mm below from top of inside
C) 200 mm below from top of inside D) 250 mm below from top of inside
514. When there is very heavy rainfall, the readings of rain gauge stations shall be taken at an interval of [A]
A) Hourly B) 4 Hours C) 6 Hours D) 12 Hours
515. Following are the types of river training works [D]
A) Guide bunds B) Spurs C) Boulder crates D) All the above
516. In Girder and Slab Bridges Danger level should be marked below bottom of girders/slabs for water way is $> 6.10 \text{ m}$ & $< 12.2 \text{ m}$ [C]
A) 300 mm B) 600 mm C) 450 mm D) 500 mm
517. In Girder and Slab Bridges Danger level should be marked below bottom of girders/slabs for water way is $> 12.20 \text{ m}$ & $< 30.5 \text{ m}$ [B]
A) 300 mm B) 600 mm C) 500 mm D) 450 mm
518. For Box Culverts Danger level is to be taken as [C]
A) At the top of slab B) One third height below bottom of slab
C) At the bottom of slab D) None of the above
519. The danger level should be marked with A bright red band ____ wide centrally over a white band ____ wide for a length of ____ [A]
A) 5 cm, 10 cm, 60 cm B) 10 cm, 20 cm, 60 cm
C) 15 cm, 30 mm, 60 cm D) None of the above
520. Permitted wind velocity for running of trains on the bridge [A]
A) 72 km/h B) 58 km/h C) 64 km/h D) No limits
521. Flood level gauge to be marked in [A]
A) All important bridges B) All major bridges
C) minor & major bridges D) All bridges
522. Velocity of water can be measured by [C]

- A) Anemometer B) Elco meter C) Current meter D) Therma meter
523. The danger level for small arch bridges of span less than 4.0 m is at [B]
 A) Top of inside of pipe B) Springing level
 C) Bottom of slab D) None of these
524. The danger level for box culverts is [C]
 A) Top of slab B) 2/3rd height C) Bottom of slab D) None of these
525. The danger level for pipe culverts is [A]
 A) Top of inside of pipe B) 2/3rd of Dia of pipe
 C) Top of parapet wall D) None of these
526. Pipe culvert is a/an [B]
 A) Major bridge B) Minor bridge C) Unimportant bridge D) Important bridge
527. High Flood Level of a bridge is painted on ____ side of Abutment or Pier [A]
 A) Downstream B) Up stream C) Centre of Pier/Abutment D) None of the above
528. Where there is no past history of damage or serious threat to bridges having span > 30.5m & < 61 m, the Danger Level will be fixed at _____ mm below bottom of girder.
 A) 600 B) 750 C) 1000 D) 1200 [B]
529. In which case Danger Level fixed at a distance 1200 mm from bottom of girder? [D]
 A) For span < 6.10 m B) For span > 6.10 m & < 12.20 m
 C) >12.20 m & < 30.50 m D) > 61.0 m
530. The limiting wind velocity should be specified by the Chief Engineer should not exceed _____ Kmph in case of bridges. [A]
 A) 72 B) 75 C) 78 D) None of these
531. Marking of Danger Level for all bridges is done [A]
 A) With red paint over white band B) With black paint over yellow band
 C) With white paint over black band D) With white paint over red band
532. Danger level is generally fixed on the basis of – [D]
 A) Type of girder B) Category of track
 C) Nature of bridge D) Minimum Vertical clearance at the bridge
533. _____ are meant to confine and guide the river flow through the structure without causing damage to it and its approaches. [C]
 A) Marginal Bunds B) Closure Bunds C) Guide bunds C) All of these
534. _____ is a structure constructed transverse to the river flow and is projected from the bank into the river. [A]
 A) spur / groyne B) Marginal Bunds C) Closure Bunds D) Assisted cut offs

535. Flood level gauge to be marked [B]
- commencing from bed level to top
 - commencing from bottom of girder towards bed level
 - commencing from Rail level
 - commencing from Danger level
536. The minimum height of embankment above the highest flood mark in the area should be
A) Zero B) 30 cm C) 100 cm D) 60 cm (D)
537. When the railway crosses a deep valley without perennial water, it is called ____ (C)
A) Aqueduct B) Cause way C) Viaduct D) River crossing
538. ____ is used to measure depth of water. (C)
A) Water meter B) Elcometer C) Echo sounder D) None of these
539. Training courses organized in the Railway Training Institutes. (D)
A) Initial courses B) Promotional courses C) Refresher courses D) All of these
540. Bridge Inspectors should be sent for Refresher courses once in (D)
A) Two years B) Three years C) Four years D) Five years
541. DMTR in full form (C)
A) Daily Material Technical Register B) Detailed Material Transaction Record
C) Daily Material Transaction Register D) Detailed Material Technical Record
542. Cranes are used for (C)
A) Lifting and lowering B) Vertical transportation
C) Both 'A' and 'B' D) None of the above
543. EOT crane has (C)
A) Transverse movement B) Longitudinal movement
C) Both 'A' and 'B' D) None of the above
544. What is the maximum lifting capacity of EOTs used in structural yard of EWS (A)
A) 10 Ton B) 3 Ton C) 16 Ton D) 30 Ton
545. Tool used for checking straightness of flat surface (C)
A) Try square B) Sprit level C) Straight edge D) Pressure gauge
546. Tool used for checking perpendicularity of two adjacent sides [A]
A) Tri square B) Vernier callipers C) Depth gauge D) Spirit level
547. Tool used for measuring the depth of a groove [A]
A) Depth gauge B) Straight edge C) Spirit level D) Filler gauge
548. Tool used for measuring clearance between mating surface [A]
A) Feeler gauge B) Plug gauge C) Depth gauge D) Pressure Gauge

549. Tool used to measure diameter of shaft up to accuracy of 0.01 mm [B]
 A) Vernier callipers B) Micrometer C) Depth gauge D) Straight edge
550. What does SAE30 number indicates? [B]
 A) Flash point B) Viscosity C) Pour point D) Fire point
551. What lubricants are used in bridge girders? [D]
 A) Graphite B) Grease, oils & Silicones C) Tallow D) All the above
552. All open web girders for Railway bridges of span greater than 45m shall be [A]
 A) Pre-stressed B) Pre-stressing not required
 C) Pre-stressing is optional D) None of the above
553. What is effective span of a steel girder? [A]
 i. The distance between centres of bearing plates or knuckle pins
 ii. The distance between centres of the main girders or trusses.
 iii. The distance between centres of cross girders
 iv. Total length of the girder
554. Full form of DPT is [A]
 A) Dye penetration Test B) Dye positive Test C) Dye pores Test D) Dye pouring test
555. DPT is a _____ test [B]
 A) Destructive test B) Non-destructive test C) Both A & B D) None
556. What is full form of B&S [A]
 A) Bridges & structures B) Bridges & Stations
 C) Buildings & Stations D) Buildings & Structures
557. _____ metalizing is done for steel bridge girders [B]
 A) Zinc B) Aluminum C) Copper D) Red oxide
558. What is the initial tolerance of jig bush [A]
 A) -0mm, +0.1mm B) -0mm, +0.4mm C) +0mm, -0.13mm D) None
559. What is the final tolerance of jig bush [B]
 A) -0mm, +0.1mm B) -0mm, +0.4mm C) +0mm, -0.13mm D) None
560. Tolerances for checking jigs from master plates shall be +0mm-0.13mm. [C]
 A) -0mm, 0.1mm B) 0mm, +0.4mm C) +0mm, -0.13mm D) None
561. Any steel work the weight of which differs by more than ____ from the calculated weight determined from the nominal weight of the sections shall be liable to rejection. [A]
 A) 2.5% B) 3% C) 3.5% D) 1%
562. What is full form of QAP [A]
 A) Quality Assurance Programme B) Quality Accepted Programme

- C) Quantity Assurance Programme D) Quantity Accepted Programme
563. What is full form of WPSS [B]
 A) Welding Program Specification Sheet B) Welding Procedure Specification Sheet
 C) Welding Program Specialization Sheet D) Welding Procedure Specialization Sheet
564. What is full form of WPQR [A]
 A) Welding Procedure Qualification Records B) Welding Position Qualification Register
 C) Welding Program Qualification Register D) Welding Process Qualification Register
565. All angle/channel, rolled section to be used for girder fabrication shall be checked for rolling tolerance as stipulated in [A]
 A) IS:1852 B) IS:1752 C) IS:1762 D) IS:1862
566. Normalizing is done for plates with thickness [A]
 A) 12mm and above B) Less than 12mm C) Doesn't dependent on thickness D) None
567. Welded girder Fabrication Specification used in Railways [A]
 A) IRS:B1-2001 B) IRS:A1-2001 C) IRS C1-2001 D) IRS:D1-2001
568. The proper surface preparation in metallization is the ____ of the surface [A]
 A) roughening B) Smoothening C) Finishing D) None
569. Surface preparation in metallization is done by [A]
 A) Grit blasting or sand blasting B) Manual cleaning
 C) Cleaning with Acid D) Sand paper
570. Etch wash primer used in the metalizing process shall conform to [A]
 A) IS : 5666 B) IS : 2339 C) IS : 209 D) IS : 104
571. Aluminium used in the metalizing process shall conform to [C]
 A) IS : 5666 B) IS : 2339 C) IS : 2590 D) IS : 5905
572. Diameter of Aluminium wire used for metalizing process is [A]
 A) 3 to 5mm B) 3 to 5cm C) 3 to 5inches D) 3 to 5m
573. The flats welded on bed plate are called [D]
 A) Lock strips B) Guide strips C) Bearing strips D) A & B
574. Plant & Machinery which is not useful and over-aged will be sent to Scrap Depot with form [B]
 A) DS-9 Form B) DS-8 Form C) DS Form D) Challan
575. The replacement of Old girder with a new Girder should be charged to the Allocation [D]
 A) Revenue B) OLWR C) DF D) DRF
576. Camber provided for FOB is [D]
 A) L/250 B) L/275 C) L/300 D) L/325

577. In unavoidable cases, site welding of girder bridges to be done with the permission of
 A) JAG officer B) SAG officer
 C) Junior scale officer D) Senior scale officer [B]
578. Which of the following statement is correct [C]
 A) design camber < dead load camber B) dead load camber < live load camber
 C) live load camber < dead load camber D) design camber < live load camber
579. Which of the following statement is correct regarding open web girders of span 91.5 M
 i. top chord member's nominal length < camber length
 ii. top chord member's nominal length > camber length
 iii. bottom chord member's nominal length > camber length
 iv. bottom chord member's nominal length < camber length [A]
580. In open web girders, heaviest members of truss are [D]
 A) Bottom chord members B) Top chord members
 C) Vertical and inclined members D) End Rakers
581. In triangulated girders, reversal of stresses of members will occur during traffic [D]
 A) Bottom chord members B) Top chord members
 C) Vertical and / or inclined members near supports
 D) Vertical and / or inclined members near middle of span
582. Standard span of 30.5 M Underslung girder weight is ___ less than that of Through girder
 A) 30% B) 35% C) 20% D) 25% [A]
583. Through girders of span 61 & 76.2 M spans, 3rd stringers on either end of girders, act as
 A) fixed beam B) hinged beam C) simply supported D) fixed free [D]
584. If top width of cross girder is more than 450 mm in OWG with H-beam sleepers ___ [D]
 A) No additional sleeper is needed B) sleeper of same height placed on cross girder
 C) width is reduced to 450 mm D) lesser height sleeper is to be provided
585. While laying channel sleepers ___ to be provided below seating [C]
 A) cleaning B) patch painting C) heavy coat of primer D) complete painting
586. H-beam sleeper are more convenient for following track structure [A]
 A) LWR B) CWR C) SWR D) any of the above
587. Toe load of channel sleeper fittings are ____ [B]
 A) equal to ERC B) Zero C) lesser than ERC D) more than ERC
588. LWR will be continued on bridges with ____ [C]
 A) wooden sleepers B) channel sleepers C) H-beam sleepers D) any of the above
589. Phosphor bronze bearings are generally provided for ____ [B]

1. heavy girders where lifting is difficult
 2. where greasing is not needed
 3. Underslung girders
 4. Road over Bridges with composite girders
- A) 1 & 2 B) 3 & 4 C) 1, 3 & 4 D) 1, 2 & 4

Hours of Employment Regulation

1. What is the statutory limit of hours of employment of EI Category employee? [C]
A. 60 Hrs in a week B. 45 Hours in a week. C. 75 Hrs in a week D. 54 Hrs. in a week
2. Standard Hours of duty of Continuous category of employees is ____ hrs in a week. [A]
A. 48 Hrs B. 45 Hours. C. 75 Hrs D. 42 Hrs.
3. Waiting Room Bearer comes under _____ Classification [B]
A. Intensive category B. Essentially Intermittent C. Continuous D. Excluded
4. Weekly Hours of duty including P&C of continuous category of employees is----- Hrs [D]
A. 60 Hrs B. 45 Hours. C. 72 Hrs D. 54 Hrs.
5. In the case of Continuous category of employees more than _____ hrs of duty is Long on. [D]
A. 6 Hrs B. 12/14 Hours. C. 10 Hrs D. 8 Hrs
6. _____ is empowered to classify the employment of Railway Servant [B]
A. DRM B. Head of the Railways (GM) C. UPSC D. Rly Board
7. Weekly rest for Essentially Intermittent workers is _____ hrs including a full night in bed. [C]
A. 22 consecutive hrs B not less than 30 consecutive hrs
C. 24 consecutive hrs D. Equal to 30 consecutive hrs
8. Weekly rest of Intensive category of employees is _____ hrs. [B]
A. 22 consecutive hrs B not less than 30 consecutive hrs
C. 24 consecutive hrs D Equal to 30 consecutive hrs
9. In which category Railway employees employed in confidential related work are Classified? [D]
A. Essentially Intermittent B. Intensive category C. Continuous D. Exclude
10. Maximum how many breaks can be there in a split shift? [A]
A. Two. B. Three C. Four D. Single
11. After how many hours of rest an EI category employee can again be called for duty in a day? [D]
A. 6 Hrs B. 12/14 Hours. C. 10 Hrs D. 8 Hrs.
12. After how many hours of rest an Intensive category employee can again be called for duty in a day? [B]
A. 6 Hrs B. 12/14 Hours. C. 10 Hrs D. 8 Hrs.
13. Within how many days Compensatory Off can be sanctioned? [A]
A. 30 days B. 60 days C. 45 days D. no limit

14. Rough Assessment Job Analysis is conducted for -----hrs? [B]
 A. 6 Hrs B. 24 Hours. C. 10 Hrs D. 8 Hrs.
15. For the Railway servants performing split duty, the number of spells of duty shall not exceed ____ and the number of breaks shall be limited to ____; [A]
 A. Three and Two B. Three and four C. Two and four D. None of the above.
16. Appeal against classification of employment can be made to _____ - [C]
 A. General Manager B. DRM C. Regional Labour Commissioner
 D. Branch Officer.
17. The document which shows employee's daily hours of duty, weekly rest and break between spells of duty besides other necessary particulars is called [B]
 A. Duty Chart B. Roster C. Attendance register
 D. Overtime Allowance Register
18. Appointment of Regional Labour Commissioner is made through: [C]
 A. Railway Board B. Human Resource Ministry C. Labour Ministry D. Collector
19. The category of employment in which the employee does not get any rest or very little rest in his duty hours is called: [A]
 A. Intensive (B) Continuous (C) Essentially Intermittent (D) Excluded
20. Number periods of rest given to running staff in a month if one period of rest is 30 hrs: [D]
 (A) 1 (B) 2 (C) 3 (D) 4
21. Number periods of rest given to running staff in a month if one period of rest is 22 hrs: [C]
 (A) 1 (B) 2 (C) 5 (D) 4
22. Appeal against the orders of Regional Labour Commissioner can be made to Central Labour Commissioner within _____ days. [C]
 (A) 30 (B) 60 (C) 90 (D) 180
23. What is the weekly hours of duty of the Railway servants other than Gateman 'C' Caretaker of Rest Houses, Chowkidar, Saloon Attendant, who have not been given Railway accommodation and their residence is 1.0 Km away from the place of work? [A]
 A. 60 Hrs B. 45 Hours. C. 72 Hrs D. 54 Hrs.
24. Duty period between 22.00hrs to 06.00hrs is treated as Night duty and paid Night duty allowance (NDA) at hourly rate equal to _____ [A]
 A. (Basic pay+ DA)/200 B. (Basic pay+ DA)/100. C. (Basic pay)/200 D. None.

Workmen's (Employees) Compensation Act

25. Workman Compensation Act re-named as _____ [A]
A. Employee Compensation Act B. Employer Compensation Act
C. Employment Compensation Act D. none
26. EC Act provide _____ for injury/Death by accident on duty [B]
A. Treatment B. Compensation C. Conviction D. none
27. As per EC Act there are _____ & _____ types of disablements [B]
A. Small/Big B. Partial/Total C. Simple/Major D. none
28. Employer is not liable for compensation if injury is due to _____ [D]
A. Influence of drinks/drugs B. Willful disobedience of rules
C. Willful removal of safety gadgets D. all the above
29. The compensation amount shall be deposited with _____ [C]
A. Bank B. Employees account C. Labour Commissioner D. none
30. Exgratia lumpsum compensation is paid to the families of railway employees [A]
A. who die in harness in performance of bonafide official duties
B. who die in harness in performance of non-official duties
C. who die in service D. none
31. Exgratia Lumpsum amount paid for death occurring due to accident in course of performance of duties is _____ [A]
A. 25 lakhs B. 30 lakhs C. 20 lakhs D. 35 lakhs