

Syllabus for selection to the post of JE C&W in scale ₹9300-34800+4200 GP(L-6) against 25% PRO

I. Coach maintenance activities

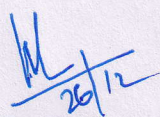
1. Various types of coaching stock in Indian Railways and salient features of ICF bogie, LHB bogie & Vande Bharat (Train-18).
2. IRCA Part IV and Passenger amenity items, refurbishing items and safety items in coaching stock.
3. Air brake system of ICF & LHB coaching stock.
4. Air brake testing of coaching stock.
5. Maintenance practices of ICF&LHB coaches.
6. Details of items attended in PM, SM and OEM attention.
7. R&D activities carried out in coaching stock.
8. Various registers maintained in the coaching maintenance.
9. Procedure of IOH attention of coaching stock.
10. Various ICF coach dimensions.
11. Bio Toilets maintenance.
12. Latest developments/modifications in coaching stock.
13. CMM (Coach Maintenance Module).
14. RPC-IV.
15. OBHS, MCC, CTS, Pest & Rodent control contracts – Monitoring.

II. Wagon maintenance activities

1. Various types of wagons.
2. Procedure of examination pattern for different freight stocks followed in S.C.Railway.
3. IRCA Part- III and Procedure of ROH of BOXN, BCN,BOBRN& BLC etc.
4. Air brake system prevailing in BOXN, BCN and Air brake testing procedure of goods train.
5. Concepts on door operating mechanism prevailing in BOBRN wagons.
6. Classification of categories of body repairs in BOXN wagons.
7. Various parameters to be recorded in a wagon in case of a derailment.
8. Latest modifications in BCNHL wagon doors.
9. Circumstances under which the BPC becomes invalid in CC premium and end to end rakes.
10. Various registers maintained in freight stock.
11. Various dimension of BOXN,BOXNHL,BCN,BCNHL,BLC,BOBRN,BCFC,BCFCM.
12. FMM (Freight Maintenance Module).
13. Latest developments/modifications in Freight stock.

III. General

1. Break down attention facilities set up in SC division.
2. Duties of C&W Supervisors at accident site.
3. Brake binding on pass through trains and corrective & preventive action.
4. Train parting on pass through and corrective & preventive action.
5. Roller bearing failures in coaching & wagon stock and corrective & preventive action.
6. Basics of Official Language Act, 1963 and 1976.
7. Incentives given for implementing official language.


26/12
Sr.DME/Co-ord/SC

ICF

1. The standard wheel gauge of passenger BG coaching stock is
(a) $1600 \pm^2_1$ mm (b) $1601 \pm^2_1$ mm
(c) $1600 \pm^2_2$ mm (d) $1600 \pm^1_1$ mm
2. Length over body of ICF BG coaches is
(a) 2334 mm (b) 2310 mm
(c) 21337 mm (d) 22132 mm
3. Rigid wheelbase of ICF BG trolley is –
(a) 2896 mm (b) 2803 mm
(c) 2990 mm (d) 2837 mm
4. At what interval, the intensive cleaning of any coach is done?
(a) Three months (b) One month
(c) Six months (d) Eight months
5. What is the interval for cleaning coach water tank?
(a) 15 days (b) 25 days
(c) one month (d) two months
6. What is the period for the POH of any OCV attached to a passenger train?
(a) Nine months (b) 12 months
(c) 18 months (d) 24 months
7. What shall be the period for POH for a coach attached to Mail/ Express train?
(a) 9 months (b) 12 months
(c) 24 months (d) 18 months
8. What shall be the period for POH of PCV attached with any other train other than mail/ Express train?
(a) 9 months (b) 12 months
(c) 18 months (d) 24 months
9. The other name of pilot valve is –
(a) PESAD (b) PEASD
(c) PDEAS (d) EPASD
10. What is the period for POH of departmental coach?
(a) 48 months (b) 36 months
(c) 42 months (d) 60 months
11. What is the Transportation code of inspection carriage (Administrative)?
(a) AR (b) CR
(c) IC (d) RA
12. As per policy circular No-4 secondary examination of mail/express has been skipped on round trip upto-
(a) 800 Km (b) 1500 Km
(c) 3500 Km (d) 1800 Km
13. In coach, the load transmission takes place through -
(a) Center pivot (b) Bogie
(c) Side bearer (d) Wheel
14. The 'K' type composite brake block should be changed, if worn out beyond-
(a) 10 mm (b) 12 mm
(c) 20 mm (d) 22 mm

15. Std. packing pieces of ICF coach is –
 - (a) 13,14,26 mm
 - (b) 13,22,28 mm
 - (c) 13,26,38,48 mm
 - (d) 22,26,32 mm
16. Coaching stock accident involving human life enquiry by-
 - (a) CME
 - (b) CRS
 - (c) Sr.DME
 - (d) ADRM
17. Yellow strips on end body of ICF indicate is –
 - (a) Antitclesopic
 - (b) Dual brake
 - (c) In built air brake
 - (d) Non-Antitalescop
18. For finding what defect UST is done?
 - (a) Internal crack
 - (b) external crack
 - (c) Air flow crack
 - (d) None of the above
19. What is Codal life of steel bodied coaches (Including dining / pantry cars) -
 - (a) 40 years
 - (b) 30 years
 - (c) 25 years
 - (d) 22 years
20. Codal life of light utilization categories of coaches is -
 - (a) 40 years
 - (b) 30 years
 - (c) 25 years
 - (d) 20 years
21. What is full form of CMMS -
 - (a) Crew Management Mode System
 - (b) Coaching Main Multi System
 - (c) Coaching Maintenance Management System
 - (d) Coaching Maintenance Model System
22. The length over buffer of ICF/ RCF coach is -
 - (a) 22297 mm
 - (b) 22299 mm
 - (c) 21996 mm
 - (d) 21030 mm
23. Over all width of ICF/ RCF coach is -
 - (a) 3251 mm
 - (b) 3250 mm
 - (c) 3245 mm
 - (d) 3991 mm
24. The height from rail level of ICF/ RCF coach is -
 - (a) 3886 mm
 - (b) 4025 mm
 - (c) 3991mm
 - (d) 3251 mm
25. What is ICMS –
 - (a) India Crew Mode System
 - (b) Integrated Coaching Management System
 - (c) Integrated Codal Mail System
 - (d) Integrated Coaching Maintenance System
26. How many emergency windows provided in AC ICF/RCF coaches are –
 - (a) Two
 - (b) Three
 - (c) Four
 - (d) Five
27. As per RPC –IV, which pattern is correct for Rajdhani/Duranto Trains
 - (a) Undergear Maintenance at only Primary end
 - (b) No undergear maintenance at secondary
 - (c) Undergear Maintenance at both ends
 - (d) Undergear Maintenance at only primary
28. What do you mean by FRP?
 - (a) Fibre recalling panel
 - (b) Fibre reinforced plastic
 - (c) First reduction plastic
 - (d) Fine reinforced panel
29. The maximum standard buffer height above rail level to center of buffer is –
 - (a) 1085 mm
 - (b) 1100 mm
 - (c) 1105 mm
 - (d) 1030 mm

30. The minimum permissible buffer height above rail level to center of buffer is –
 (a) 1105 mm (b) 1145 mm
 (c) 1115 mm (d) 1030 mm
31. Standard buffer projection from Headstock is –
 (a) 650 mm (b) 635 mm
 (c) 620 mm (d) 660 mm
32. Minimum Permissible buffer projection from Headstock is –
 (a) 635 mm (b) 605 mm
 (c) 590 mm (d) 584 mm
33. The diameter of buffer plunger face of ICF coaches is –
 (a) 552 mm (b) 457 mm
 (c) 493 mm (d) 510 mm
34. What is the distance between two buffers at one end?
 (a) 1952 mm (b) 1976 mm
 (c) 1956 mm (d) 1992 mm
35. What is the maximum buffer plunger stroke in mm?
 (a) 127.0 mm (b) 129.0 mm
 (c) 131.0 mm (d) 133.0 mm
36. The ICF buffer plunger is made of –
 (a) Mild steel (b) Cast iron
 (c) Cast steel (d) Aluminum Alloy
37. In loaded condition, the minimum permissible height of buffer in ICF coach is –
 (a) 1090 mm (b) 1105 mm
 (c) 1030 mm (d) None of the above
38. The draw & buffing force transmission in coach is through -
 (a) Centre pivot (b) Bogie
 (c) Side bearer (d) Wheel
39. The Ineffective Percentage allowed for AC Coaches is
 (a) 11% (b) 10%
 (c) 8% (d) 12%
40. Maximum hauling capacity of H type CBC is -
 (a) 7000 ton (b) 8000 ton
 (c) 9000 ton (d) 10000 ton
41. As per RPC IV, Mail/express trains round trip up to 3500 kms for ICF and up to 4000 km for LHB comes under which category of trains?
 (a) 2 (b) 2(a)
 (c) 3(a)(i) (d) 3(a)(ii)
42. As per RPC IV, Mail/express trains round trip > 3500 kms for ICF and > 4000 km for LHB, the under gear examination is to be conducted at _____
 (a) at only Primary end (b) at only secondary end
 (c) at Other End (d) At both primary and secondary
43. As per RPC IV, BPC validity for “dedicated parcel trains”
 (a) 3500 kms or 7 days whichever is earlier (b) 3000 kms or 15 days whichever is earlier
 (c) 4500 kms or 10 days whichever is earlier (d) 4000 kms or 15 days whichever is earlier
44. As per RPC IV, BPC validity for “Military/Election Specials (for ICF rake)”

- (a) 3500 KMs or 10 days whichever is Earlier. (b) 3500 KMs or 15 days whichever is Earlier.
(c) 3000 KMs or 7days whichever is Earlier. (d) 3500 KMs or 7days whichever is Earlier.
45. Nominal thickness of buffer casing body wall is –
(a) 9.50 mm (b) 10.50 mm
(c) 11.50 mm (d) 13.50 mm
46. What is wear limit of buffer casing body wall?
(a) 2.50 mm (b) 3.50 mm
(c) 4.50 mm (d) 5.50 mm
47. What is the weakest link of the 'H' type tight lock center buffer coupler?
(a) Draft gear (b) Knuckle
(c) Lock (d) Yoke pin
48. Destruction tube is provided inside the –
(a) Buffer (b) Head stock
(c) under sole bar (d) None
49. Capacity of air reservoir (AR) of the coach is –
(a) 150 Lit. (b) 200 Lit
(c) 250 Lit. (d) 300 Lit.
50. BPC validity for NMGH/NMGHS rakes at nominated depots should be _____
(a) 7000 KMs or 12+1 days (b) 6000 KMs or 12+3 days
(c) 5000 KMs or 12+2 days (d) 6000 KMs or 12+0 days
51. As per RPC IV, BPC validity for DEMU –
(a) 15 days for 700 HP (b) 10 days other than 700 HP
(c) 7 days for 700 HP (d) both (b) & (c)
52. As per RPC –IV, Undegear examination for Satabdi Trains is to be conducted at ____
(a) at both Primary & Secondary end (b) only Primary end
(c) at Secondary end (d) at only other end
53. In the passenger train, the diameter of brake pipe & feed pipe is –
(a) 20.0 mm (b) 25.0 mm
(c) 28.0 mm (d) 30.0 mm
54. In the passenger train, the diameter of branch pipe is –
(a) 15.0 mm (b) 18.0 mm
(c) 20.0 mm (d) 22.0 mm
55. What is the diameter of branch pipe in between PEAV to PEASD?
(a) 10.0 mm (b) 25.0 mm
(c) 30.0 mm (d) 20.0 mm
56. During full service application, Brake pipe pressure is dropped to –
(a) 2.0 Kg/cm² (b) 1.0 Kg/cm²
(c) 3.0 Kg/cm² (d) 1.5 Kg/cm²
57. At originating station the brake power percentage for mail/express train should be –
(a) 85% (b) 90%
(c) 100% (d) 75%
58. Cut off angle cock can be fitted to-
(a) FP (b) BP
(c) BP&FP both (d) None of the above
59. What is the piston stroke of air brake coaching train fitted with modified horizontal lever?

- (a) 60±10 mm (b) 80±10 mm
(c) 85±15 mm (d) 85±5 mm
60. What is the diameter of bogie mounted brake cylinder?
(a) 220 mm (b) 210 mm
(c) 203 mm (d) 200 mm
61. The brake cylinder diameter of conventional air brake system is –
(a) 205 mm (b) 355 mm
(c) 325 mm (d) 305 mm
62. The rate of air leakage in single car testing should not be more than –
(a) 0.02 Kg/cm²/min (b) 1.0 Kg/cm² /min
(c) 0.2 Kg/cm²/min (d) 0.1 Kg/cm² /min
63. In emergency application the brake cylinder pressure rises from 0-3.6 kg/cm² in –
(a) 15-20 sec (b) 5-10 sec
(c) 3-5 sec (d) 8-10 sec
64. Check valve with choke allows air from –
(a) BP to FP (b) FP to CR
(c) FP to AR (d) AR to BC
65. When brake is manually released by QRV, which pressure will be vent out?
(a) BC pressure (b) AR pressure
(c) BP pressure (d) CR pressure
66. What is the pressure of control reservoir in coaching trains?
(a) 6.0 Kg/cm² (b) 5.0 Kg/cm²
(c) 6.0 to .2 Kg/cm² (d) 4.8 Kg/cm²
67. In coaching trains, auxiliary reservoir is charged to -
(a) 5.0 Kg/cm² (b) 6.0 Kg/cm²
(c) 4.8 Kg/cm² (d) 5.5 Kg/cm²
68. Reduction in BP pressure for minimum application is -
(a) 1.0 to 1.5 Kg/cm² (b) 0.8 to 1.0 Kg/cm²
(c) 0.5 to 0.8 Kg/cm² (d) 0.1 to 0.5 Kg/cm²
69. Reduction in BP pressure for service application is -
(a) 1.0 to 0.5 Kg/cm² (b) 1.0 to 1.5 Kg/cm²
(c) 0.5 to 0.8 Kg/cm² (d) 0.8 to 1.0 Kg/cm²
70. Reduction in BP pressure for full service application is -
(a) 1.0 to 1.5 Kg/cm² (b) 0.8 to 1.0 Kg/cm²
(c) 0.5 to 0.8 Kg/cm² (d) 0.1 to 0.5 Kg/cm²
71. Reduction in BP pressure for emergency application is -
(a) 1.0 to 1.5 Kg/cm² (b) 1.5 to 3.8 Kg/cm²
(c) 0.5 to 0.8 Kg/cm² (d) 3.8 to 5.0 Kg/cm²
72. What is the choke diameter of guard's emergency brake valve?
(a) 4.0 mm (b) 5.0 mm
(c) 6.0 mm (d) 8.0 mm
73. The three-branch pipe attached to common pipe bracket, where the middle pipe lead to
(a) CR (b) DV
(c) BC (d) AR
74. During brake release, air from BC goes to
(a) AR (b) CR

- (c) DV (d) Atmosphere
75. At what schedule, testing of pressure gauge and replacement of the defective gauge in SLR?
 (a) IOH (b) 'A' schedule
 (c) 'B' Schedule (d) Special schedule
76. The type of dirt collector, used in bogie mounted passenger coach is -
 (a) 2- way (b) 4-way
 (c) 3-way (d) single way
77. When DV is working condition the position of DV handle is –
 (a) Horizontal (b) Inclined
 (c) Vertical (d) Parallel
78. The en-route brake power percentages of passenger BG coaching train is –
 (a) 85% (b) 90%
 (c) 100% (d) Not specified
79. What is the capacity of control reservoir of passenger coach?
 (a) 6.0 litre (b) 7.0 litre
 (c) 9.0 litre (d) 10.0 litre
80. What should be the effective maximum pressure in brake cylinder during full service application is
 (a) $3.6 \pm 0.1 \text{ Kg/cm}^2$ (b) $3.7 \pm 0.1 \text{ Kg/cm}^2$
 (c) $3.8 \pm 0.1 \text{ Kg/cm}^2$ (d) $4.1 \pm 0.1 \text{ Kg/cm}^2$
81. DV is directly mounted on -
 (a) AR (b) Brake pipe
 (c) Brake cylinder (d) Common pipe bracket
82. Which one of the following valve in DV controls charging of CR?
 (a) Main valve (b) Cut off valve
 (c) Quick service valve (d) Limiting device
83. Control reservoir in air brake system is –
 (a) To control FP pressure (b) To control DV valve
 (c) To control Brake system (d) None of the above
84. Auxiliary reservoir is assisting in –
 (a) Charging of DV (b) Charging of BP
 (c) Sending air to BC (d) Charging of CR
85. Dirt Collector should be cleaned within –
 (a) At the time of IOH (b) At the time of 'A' schedule
 (c) At the time of POH (d) At the time of 'B' schedule
86. In air brake system, brake should apply when the rate of drop of air pressure in BP is –
 (a) $0.6 \text{ Kg/cm}^2/\text{min}$ in six sec (b) 0.3 Kg/cm^2 in one sec
 (c) 0.4 Kg/cm^2 in one sec (d) 0.1 Kg/cm^2 in one sec
87. In air brake system, brake should not apply when the rate of drop of air pressure in BP is –
 (a) 0.3 Kg/cm^2 in 60 sec (b) 0.4 Kg/cm^2 in 4 sec
 (c) 0.5 Kg/cm^2 in 30 sec (d) 0.8 Kg/cm^2 in 8 sec
88. The function of non-return valve used in air brake system is –
 (a) To reduce BP (b) To prevent flow of air from AR to FP
 (c) To prevent CR to be charged (d) To prevent flow of air from CR to BP

89. Which equipment are not charged, when DV is isolated
- Control reservoir and brake cylinder
 - Brake cylinder
 - Control reservoir auxiliary reservoir
 - Auxiliary reservoir and brake cylinder
90. The vent hole is provided in the cut off angle cock to (when angle cock is closed)
- Exhaust air pressure of air hose into atmosphere
 - The amount of vacuum
 - To arrest air pressure from air hose
 - None of the above
91. What is the thickness of roof sheet in ICF coach?
- 2.1 mm
 - 1.9 mm
 - 1.8 mm
 - 1.6 mm
92. Water tank capacity of ICF coach is –
- 1600 litres
 - 1800 litres
 - 1500 litres
 - 2000 litres
93. Under shung tank capacity of roof mounted AC coaches fitted with WRA system is –
- 1600 Litres
 - 1700 Litres
 - 1800 Litres
 - 2000 Litres
94. When did first Shatabdi Express train
- 1986
 - 1988
 - 1990
 - 1987
95. Minimum and Maximum air pressure required for WRA is –
- 0.35 Kg/cm²&0.75 Kg/cm²
 - 0.45 Kg/cm²& 0.5 Kg/cm²
 - 0.55 Kg/cm²& 0.6 Kg/cm²
 - 0.65 Kg/cm²& 0.75 Kg/cm²
96. Sole bar of ICF coach consists of –
- Z section
 - I section
 - Y section
 - U section
97. What capacity of the equalizing stays of the shatabdi Exp.?
- 22 tons
 - 20 tons
 - 16 tons
 - 14 tons
98. What is amount of the oil per side bearer in ICF coaches?
- 1.2 Litres
 - 1.6Litres
 - 2.5 Litres
 - 2.2 Litres
99. What is the distance between side bearers of ICF coach?
- 1560 mm
 - 1590 mm
 - 1600 mm
 - 1610 mm
100. What is the oil level in dashpot?
- 50.0 mm
 - 40.0 mm
 - 75.0 mm
 - 90.0 mm
101. What should be the interval of check the dashpot oil in mail/Express train?
- 15 days
 - 25 days
 - one month
 - two month
102. What is the amount of oil per dashpot in 40-mm depth in modified guide arrangement?
- 1.6 Litre
 - 2.5 Litre
 - 2.2 Litre
 - 1.9 Litre

103. What is the interval of check the side bearer oil?
 (a) One month (b) 25 days
 (c) 15 days (d) 10 days
104. In bogie mounted air brake systems, the No of brake cylinder in a coach are
 (a) 8 (b) 6
 (c) 2 (d) 4
105. What is full form of FDSS system
 (a) Fire Detection and Suppression System (b) Fire Dummy Service System
 (c) Fire Development Survey System (d) Fire Detection Saving System
106. Center pivot pin does not transmit any -
 (a) Horizontal load (b) Tractive
 (c) Breaking force (d) Vertical force
107. New dimension of side bearers wearing plate is -
 (a) 10.0 mm (b) 12.0 mm
 (c) 14.0 mm (d) 16.0 mm
108. What is shop renewal dimension of side bearer wearing plate?
 (a) 10.0 mm (b) 9.0 mm
 (c) 8.0 mm (d) 7.5 mm
109. Condemning size of side bearer wearing plate is -
 (a) 10.0 mm (b) 9.0 mm
 (c) 8.50 mm (d) 7.50 mm
110. Newly dimension of side bearer wearing pieces is -
 (a) 45.0 mm (b) 44.0 mm
 (c) 43.0 mm (d) 42.0 mm
111. Shop renewal size of side bearer wearing piece is -
 (a) 45.0 mm (b) 44.50 mm
 (c) 43.50 mm (d) 42.50 mm
112. What is the condemning size of side bearer wearing piece?
 (a) 45.0 mm (b) 44.0 mm
 (c) 43.0 mm (d) 42.0 mm
113. Diagonal gauge for axle guide of 13 t & 16.25 t bogie is -
 (a) 3912 ± 1.0 mm (b) 3812 ± 1.0 mm
 (c) 3712 ± 1.0 mm (d) 3612 ± 1.0 mm
114. Which type brake system, external slack adjuster have been eliminated?
 (a) BMBC (b) UMBS
 (c) BMBS & UMBS (d) None of the above
115. Which sensors are used in FDSS?
 (a) Smoke sensor & Heat Sensor (b) Only smoke sensor
 (c) Speed sensor (d) Solar Sensors
116. The color code of helical spring of ICF bogie is –
 (a) Yellow, blue, green (b) Yellow, red, green
 (c) White, blue, green (d) White, red, green
117. What type of axle guidance arrangement used in ICF/RCF bogie?
 (a) Oil clamping (b) Telescopic axle guide with oil damping
 (c) Vertical oil damping (d) pneumatic axle guide

118. One of the function of Anchor links?
 (a) To joint bolster and side frame (b) To prevent rational movement of bolster
 (c) To connect with upper plank and lower plank (d) None of the above
119. Which type of grease used in roller bearing in ICF coach?
 (a) Servo –20 (b) Lithium base
 (c) Servo –40 (d) Graphite –20
120. What quantity of grease filled per axle box of SKF make bearing?
 (a) 1.75 kg (b) 2.00 kg
 (c) 2.25 kg (d) 2.5 kg
121. What quantity of grease filled per axle box of other than SKF make bearing?
 (a) 1.75 kg (b) 2.00 kg
 (c) 2.25 kg (d) 2.5 kg
122. LHB coaches are provided with what type of bearing?
 (a) Spherical type (b) Plain bearing
 (c) CTRB (d) None of the above
123. In air brake coach, PEAV & PEASD is connected to branch pipe is –
 (a) FP (b) BP
 (c) BC (d) DV
124. The pulling force required for alarm chain testing should not be more then -
 (a) 12 kg (b) 10 kg
 (c) 20 kg (d) 30 kg
125. What is the choke size of PEAV
 (a) 4.0 mm (b) 5.0 mm (c) 6.0 mm (d) 8.0 mm
126. What is the chock size of Guard emergency brake valve?
 (a) 8.0 mm (b) 6.0 mm
 (c) 5.0 mm (d) 4.0 mm
127. At what schedule, the over hauling and testing of alarm chain apparatus is done
 (a) 'A' schedule (b) 'B' schedules
 (c) 'C' schedule (d) Special schedule
128. The full name of PEAV is –
 (a) Power energy valve (b) Passenger entrance valve
 (c) Passenger emergency alarm valve (d) Pipe emergency valve
129. PEAV & PEASD can be isolated by-
 (a) Isolate isolating cock between branch pipe of BP & DV
 (b) Isolate isolating cock between branch pipe of FP& BP
 (c) Isolate isolating cock fitted in branch pipe
 (d) Isolate isolating cock of BC
130. What is the free height of 16.25 tons axle box spring?
 (a) 360 mm (b) 365 mm
 (c) 375 mm (d) 380 mm
131. What is the free height of non-AC coach axle box spring?
 (a) 355 mm (b) 360 mm
 (c) 367 mm (d) 370 mm

132. Free height of all non-AC ICF type axle box spring is -
 (a) 375 mm (b) 372 mm
 (c) 360 mm (d) 315 mm
133. Free height of AC ICF type bolster coil spring is -
 (a) 375 mm (b) 385 mm
 (c) 400 mm (d) 416 mm
134. What is colour code of 'A' group coil spring is
 (a) Yellow (b) Green
 (c) oxford blue (d) White
135. What is colour code of 'B' group coil spring is -
 (a) Oxford blue (b) White
 (c) Green (d) Yellow
136. What is colour code of 'C' group coil spring is -
 (a) Oxford blue (b) White
 (c) Green (d) Yellow
137. Piston stroke (coach) of bogie mounted brake cylinder is –
 (a) 28 mm (b) 32 mm
 (c) 36 mm (d) 38 mm
138. In BMBS hole adjustment of curved pull rod to be done when wheel diameter reaches to -
 (a) 839 mm (b) 842 mm
 (c) 846 mm (d) None of the above
139. Permissible variations in wheel tread diameter for four-wheeled bogie on the same axle on BG is –(while turning the wheel)
 (a) 0.5 mm (b) 0.49 mm
 (c) 0.30 mm (d) 0.45 mm
140. Permissible variations in wheel tread diameter on the same coach on BG is –(while turning the wheel)
 (a) 12.0 mm (b) 10.0 mm
 (c) 11.0 mm (d) 13.0 mm
141. Permissible variations in wheel tread diameter for the same bogie on BG is -(while turning the wheel)
 (a) 10.0 mm (b) 7.0 mm
 (c) 5.0 mm (d) 8.0 mm
142. The axle load of AC coaches is –
 (a) 22.0 tons (b) 16.25 tons
 (c) 15.0 tons (d) 14.50 tons
143. Axle load capacity of generator (WLLRM) coach is –
 (a) 16.0 tons (b) 16.25 tons
 (c) 15.0 tons (d) 20.30 tons
144. The use of 13 tons axle load bogie is in –
 (a) PVH (b) AC
 (c) Power Car (d) Non AC
145. Flat faces on BG coach is permitted up to –
 (a) 60.0 mm (b) 50.0 mm
 (c) 75.0 mm (d) 90.0 mm

146. High speed ICF coach condemning flange thickness is –
 (a) 14.0 mm (b) 13.0 mm
 (c) 22.0 mm (d) 10.0 mm
147. Lateral movements of wheels are controlled by –
 (a) Axle Guide (b) Journal center
 (c) roller bearing (d) Dsh pot
148. Periodicity for hydraulic pressure testing of Fire Extinguishers is -
 (a) 2 Years (b) 1 Year
 (c) 3 Years (d) 1 ½ Year
149. Min shop issue size of ICF solid wheel is –
 (a) 837 mm (b) 870 mm
 (c) 854 mm (d) 8746 mm
150. Flange thickness of new BG wheel coach is –
 (a) 28.0 mm (b) 28.50 mm
 (c) 29.50 mm (d) 27.50 mm
151. The radius of the root of flange of new BG wheel is –
 (a) 14.0 mm (b) 16.0 mm
 (c) 18.0 mm (d) 19.0 mm
152. Condemning height of flange on tread on BG wheel is –
 (a) 30.0 mm (b) 32.0 mm
 (c) 34.0 mm (d) 35.0 mm
153. Condemning size of radius at the top of flange (Sharp flange) of BG main line coach wheel is
 (a) 8.0 mm (b) 5.0 mm
 (c) 10.0 mm (d) 12.0 mm
154. What is allowable temperature difference between two axle boxes on a coach.
 a) up to 10 °C b) up to 20 °C
 c) up to 25 °C d) up to 30 °C
155. When TXR staff is to be escorted if the temperature difference between two axle boxes on a coach is _____
 a) Between 5 °C – 10 °C b) Between 10 °C – 14 °C c) Between 14 °C – 20 °C d) Between 0 °C – 8 °C
156. What is the speed limit to be imposed if one axle box spring found broken in ICF coach during rolling in examination enroute (as per RDSO Lr.no.MC./SPC dated 17.01.1991)
 a) 95 KMPH b) 100 KMPH
 c) 105 KMPH d) 60 KMPH
157. Full form of BC is
 a) Brake control b) Beside coach
 c) Brake cylinder d) Branch cylinder
158. Full form of AR is
 a) Axle on Road b) Axle reservoir
 c) Auxiliary Reservoir d) None of the above
159. The expanded name of PEAV is
 a) Power energy valve b) Passenger entrance valve
 c) Passenger emergency alarm valve d) Passenger Emergency Valve

160. Full name of ACP is
 a) Air condition pipe
 c) Alarm chain-pull
 b) Air cooler pipe
 d) Air cylinder piston
161. Full name of PEASD is
 a) Passenger emergency alarm shutdown
 c) Passenger entrance Signal device
 b) Passenger emergency alarm signaling device
 d) Passenger emergency admission signal device
162. POH periodicity of new ICF coach is _____ months
 a) 12
 9
 b) 18
 d) 24
 c)
163. POH periodicity of old ICF coach is _____ months
 a) 12
 9
 b) 18
 d) 24
 c)
164. IOH periodicity of old ICF coach is _____ months
 a) 12
 9
 b) 18
 d) 24
 c)
165. OBHS Full form ____
 a) ONBOARD HOUSE KEEPING SERVICE
 c) ONBOARD HIRING SERVICE
 b) ONBOARD HOUSING SERVICE
 d) Non of the above
166. Under which schedule, the manual brake release test is carried out on every coach of the rake?
 a) C' schedule
 c) 'B Schedule
 b) A' schedule
 d) Special schedule
167. Under which schedule, testing and calibration of the pressure gauge (for SLR/guard compartment) is carried out?
 a) C' schedule
 c) B' Schedule
 b) A' schedule
 d) Special schedule
168. Under which schedule is single car test carried out?
 a) C' schedule
 c) B' Schedule
 b) A' schedule
 d) None of above
169. Roller bearings used in ICF coaches
 a) Cartridge Tapered Roller Bearing
 c) Cylindrical Roller Bearing
 b) Spherical Roller bearing
 d) Plain Roller bearing
170. Crown clearance on Jana Shatabdhi non AC coach
 a) 45 +/- 3 mm
 c) 45 +2- 3 mm
 b) 45 +/- 2 mm
 c) 45 +3- 3 mm
171. Decode NFTC
 a) Natural Fibre Thermoset concrete Material
 b) Natural Ferrous Thermoset composite Material
 c) NeutralFibre Thermoset composite Metal
 d) Natural Fibre Thermoset composite Material
172. Maximum permissible speed during rolling in of a train
 a)30 KMPH
 c)35 KMPH
 b)40 KMPH
 d)25 KMPH
173. Clearance between axle box lug and the bottom of safety strap
 a)40 mm
 b)35 mm
 b)42 mm
 d) 45 mm

174. Man hours required for IOH of a coach
 a) 257 man hours
 b) 254 man hours
 c) 255 man hours
 d) 256 man hours
175. What do you understand by spring stiffness
 a) Load per unit deflection
 b) Length per unit deflection
 c) Load per unit length
 d) None of the above
176. Working piston stroke of Bogie mounted brake cylinder
 a) 60+10 mm
 b) 32 mm
 c) 70+/-10 mm
 d) 32+/-2 mm
177. In Bogie mounted brake cylinder, to what angle the adjusting screw rotates for each stroke to take up slack
 a) 20 degree
 b) 30 degree
 c) 35 degree
 d) 25 degree
178. In bogie mounted brake system at what wheel diameter the brake gear connection should beshifted to next inner hole of connecting link
 a) 838 mm
 b) 839 mm
 c) 837 mm
 d) 833 mm
179. What is the brake cylinder pressure release time from 3.8 kg/cm² to 0.4 kg/cm² with single car test rig as per IRCA part IV
 a) 15 to 20 seconds
 b) 15 to 25 seconds
 c) 10 to 20 seconds
 d) 45 to 60 seconds
180. What is the drop in brake pipe pressure during sensitivity test with SCTR
 a) 0.3 kg/cm² in 60 seconds
 b) 0.6 kg/cm² in 6 seconds
 c) 0.3 kg/cm² in 6 seconds
 d) None of the above
181. What is the insensitivity port diameter provided for single car test rig
 a) 0.3 mm
 b) 0.3 cm
 c) 0.2 mm
 d) 0.1 mm
182. Diameter of bogie mounted brake cylinder
 a) 211.2 mm
 b) 202.3 mm
 c) 203.2 mm
 d) 253.2 mm
183. Pull required to operate alarm chain apparatus
 a) 7 to 10 kg
 b) 6 to 10 kg
 c) 6 to 10.5 kg
 d) none of the above
184. Angle to which split pins and cotters to be split
 a) 46°
 b) 43°
 c) 35°
 d) 45°
185. Condemning thickness of side bearer hard wearing plate in ICF bogie on express train
 a) 8.5 mm
 b) 8.4 mm
 c) 1.5 mm
 d) 7.5 mm
186. Maximum diametrical clearance between guide bush and dash pot
 a) 1.4mm
 b) 1.6mm
 c) 2.6mm
 d) 1.2mm

LHB &VandeBharth (Train -18)

- 187) What is the full form of LHB?
a) Lower heavy Bogie
b) Linke Hofmann-Busch
c) Low height Bogie
d) None of these
- 188) What is the length over body of LHB coaches?
a) 23570 mm
b) 23545 mm
c) 23540 mm
d) 23565 mm
- 189) What is the maximum width over body of LHB coaches?
a) 3260 mm
b) 3240 mm
c) 3456 mm
d) 2356 mm
- 190) Height of compartment floor from rail level under tare condition of LHB coaches?
a) 1320 mm
b) 1389 mm
c) 1305 mm
d) 1345 mm
- 191) What is Maximum height of centre line of side CBC above rail for empty vehicle?
a) 1108 mm
b) 1107 mm
c) 1105 mm
d) 1103 mm
- 192) What is minimum height of centre line of CBC above rail level for loaded vehicle?
a) 1030 mm
b) 1039 mm
c) 1025 mm
d) 1015 mm
- 193) What is the higher speed potential of LHB coaches?
a) 160 Kmph upgradeable to 180 Kmph
b) 180 Kmph upgradeable to 200 Kmph
c) 160 Kmph upgradeable to 200 Kmph
d) 200 Kmph upgradeable to 220 Kmph
- 194) What is the wheel gauge of LHB wheel?
a) 1676 mm
b) 1600 ± 1 mm
c) 1610 mm
d) 1676 ± 1 mm
- 195) What is the new wheel diameter of LHB wheel?
a) 910 mm
b) 915 mm
c) 912 mm
d) 725 mm
- 196) What is the condemning limit of LHB wheel diameter of 17+3 mm web thickness?
a) 813 mm
b) 839 mm
c) 845 mm
d) 854 mm
- 197) How many brake disc on one wheel set?
a) One
b) Two
c) Three
d) Four
- 198) Which type of Roller bearing is used in LHB coaches?
a) Spherical Roller bearing
b) Plain Roller bearing
c) Cartridge Tapered Roller bearing
d) None of these
- 199) What is the thickness of brake disc?
a) 100 mm
b) 110 mm
c) 105 mm
d) 108 mm
- 200) What is the diameter of brake disc?
a) 650 mm
b) 630 mm
c) 640 mm
d) 645 mm
- 201) What is diameter of wheel axle of LHB Coach?
a) 172 MM
b) 170 MM
c) 153 MM
d) 165 MM

- c) 9 months
d) 14 months
- 217) Codal life of LHB coaches is -
a) 30 years
b) 25 years
c) 35 years
d) None of the above
- 218) To restrict vertical sliding between engine and power car, the device is known as -
a) Vertical slide protector
b) Restrictor
c) Protecting device
d) None of these
- 219) What is the wheel base of LHB bogie?
a) 2440 mm
b) 2696 mm
c) 2560 mm
d) 2570 mm
- 220) Side wall of LHB Coaches are manufactured from -
a) Austenitic steel (SS 304M)
b) IRSM-41
c) Ferritic steel (SS-409M)
d) IRSM-44
- 221) Roof sheet of LHB Coaches are manufactured from -
a) Austenitic steel (SS 304)
b) IRSM-41
c) Ferritic steel (SS-409)
d) IRSM-44
- 222) End wall of LHB Coaches are manufactured from -
a) Austenitic steel (SS 304M)
b) IRSM-41
c) Ferritic steel (SS-409M)
d) IRSM-44
- 223) Trough floor of LHB Coaches are manufactured from -
a) Austenitic steel (SS 304)
b) IRSM-41
c) Ferritic steel (SS-409)
d) IRSM-44
- 224) Cross members of under frame of LHB Coaches are manufactured from -
a) Austenitic steel (SS 304)
b) IRSM-41
c) Ferritic steel (SS-409)
d) IRSM-44
- 225) Thickness of Roof sheets of LHB coaches are -
a) 2mm & 2.75
b) 1.25 mm & 1.7 mm
c) 3mm & 3.25 mm
d) 2.75 mm & 2.5 mm
- 226) Thickness of Corrugated sheets of LHB coaches are -
a) 2 mm
b) 3 mm
c) 1.25 mm
d) 2.5 mm
- 227) Thickness of side wall sheets of LHB coaches are -
a) 2 mm
b) 3 mm
c) 1.25 mm
d) 2.5 mm
- 228) Sole bar of LHB Coaches are manufactured from -
a) Austenitic steel (SS 304)
b) IRSM-41
c) Ferritic steel (SS-409)
d) IRSM-44
- 229) Thickness of sole bar of LHB coaches is -
a) 2 mm
b) 5 mm
c) 4 mm
d) 6 mm
- 230) Thickness of Roof flange of LHB coaches is -
a) 2 mm
b) 5 mm
c) 4mm
d) 6 mm
- 231) Material of yaw damper bracket of LHB Coaches is -
a) Cast steel
b) IRSM-41
c) Ferritic steel (SS-409)
d) IRSM-44

- 232) Yaw damper is fitted on -
 a) Sole bar
 b) Bogie
 c) Under frame
 d) Between under frame and bogie frame
- 233) Fire Extinguisher should be refilled -
 a) Every month
 b) Every 3 months
 c) After 1 year
 d) On every trip
- 234) Torque value of brake caliper mounting bolt is -
 a) 200 NM
 b) 170 NM
 c) 150 NM
 d) 190 NM
- 235) What is the principle of brake system used on LHB coaches?
 a) Single pipe air brake system
 b) Twin pipe air brake system
 c) Twin pipe with disc brake air brake system
 d) None of these
- 236) 125 Ltr AR tank used for -
 a) Toilet purpose
 b) Braking purpose
 c) Standby
 d) None of these.
- 237) 75 Ltr AR tank used for -
 a) Toilet purpose
 b) Braking purpose
 c) Standby
 d) None of these.
- 238) What is the capacity of CR TANK?
 a) 5.0 Liters
 b) 6.0 Liters
 c) 9.0 Liters
 d) 8.0 Liters
- 239) Bore size of main BP and FP pipe is -
 a) 45 mm bore
 b) 25 mm bore
 c) 20 mm bore
 d) 18 mm bore
- 240) Diameter of BC line branch pipe is -
 a) 25 mm
 b) 20 mm
 c) 18 mm
 d) 16 mm
- 241) Diameter of brake indicator pipe is -
 a) 18 mm
 b) 10 mm
 c) 15 mm
 d) 20 mm
- 242) When brake indicator shows 'Red', the brake will be -
 a) Released
 b) Applied
 c) Indicator defective
 d) none
- 243) When brake indicator shows 'Green' the brake will be -
 a) Released
 b) Applied
 c) Indicator defective
 d) None of the above
- 244) Brake accelerator is a -
 a) Brake actuating device
 b) Emergency brake application device.
 c) Both a & b
 d) None of these
- 245) Principle application of brake accelerator is -
 a) Emergency braking in each coach of rake
 b) Partial braking in each coach of rake.
 c) Similar braking in each coach of rake
 d) None of these.
- 246) Minimum rate of pressure required to actuate the brake accelerator -
 a) 1.2 kg/cm² per minute
 b) 1.6 kg/cm² per minute
 c) 5 to 3.2 kg/ cm² in 3 Sec
 d) More than 1.6 kg/cm² per minute

- 247) Brake accelerator stops venting when BP pressure reached to -
 a) 1.0 kg/cm² b) 3.5 - 3.0 kg/cm²
 c) 2.5 - 1.5 kg/cm² d) 1.5 - 1.0 kg/cm²
- 248) Brake accelerator is connected to -
 a) FP pipe b) BP pipe
 c) BC pipe d) both a & b
- 249) What is the purpose of Anti Skid system?
 a) To protect wheels against skidding. b) To maintain same speed of all axle
 c) Both a & b. d) None of these
- 250) What is the purpose of Dump Valve?
 a) To maintain approximate same speed of all axles. b) To protect wheels against skidding
 c) A & b both d) None of these
- 251) The applications of Dump valve is -
 a) Only braking b) Only De-braking
 c) Both braking and de-braking d) None of these
- 252) Electricity required for Dump valve operative -
 a) 110 volt AC b) 24 volt DC
 c) 110 Volt DC d) 230 Volt AC
- 253) Anti skid system is a -
 a) Electronic system b) Pneumatic system
 c) Electro Pneumatic system d) both a & c
- 254) What is the purpose of speed sensor?
 a) To compute the revolutions of each axle b) To maintain same speed of each axle
 c) Either a or b d) None of these
- 255) What is the limit of air gap between sensor and phonic wheel?
 a) 1.0 - 5.0 mm b) 1.0 - 10.0 mm
 c) 0.9 – 1.4 mm d) 1.0 – 2.5 mm
- 256) What is the purpose of pressure switch?
 a) To actuate antiskid system b) To provide electric supply to brake accelerator
 c) To provide electric supply to dump valve. d) None of these
- 257) Pressure switch actuate at the train pressure reaches -
 a) 0.5 bar b) 1 bar
 c) 1.3-1.8 bars. d) 1.5 – 3.0 bars
- 258) In KNORR BREMSE system pressure switch connected to -
 a) BP line b) FP line
 c) BC line d) both a & b
- 259) How many brake cylinders are used in LHB coaches?
 a) 6 b) 4
 c) 8 d) 16
- 260) If anti skid system not actuate, the reason may be -
 a) Fuse no. 63, 65 may blown. b) Setting of pressure switch may disturb.
 c) Both a & b d) None of these.
- 261) The '99' code shown on micro processor means -
 a) Whole system working perfectly b) Either a or b
 c) Some defect in speed sensor d) None of these.
- 262) If micro processor shows '72' code means -

- a) Temporary fault at one axle.
c) Volatile fault
- 263) If micro processor shows '73' code means -
a) Temporary fault at one axle
c) Permanent fault at one axle
- 264) If micro processor shows '95' code means -
a) Temporary fault
c) No fault
- 265) How much pressure dropped when emergency brake pull box pulled?
a) 0.4 kg/cm²
c) Almost 3 kg/cm²
- 266) Size of choke provided in emergency brake valve is -
a) 0.4 mm
c) 3.0 mm
- 267) What is size of air tube run through coach length?
a) 8.0 mm
c) 10.0 mm
- 268) 'PEASD' stands for -
a) Passenger emergency alarm signaling device.
c) Passenger emergency alarm short device.
- 269) "PEASD' provided in LHB can be reset -
a) From under gear of coach only
c) From the point where chain pulled.
- 270) How one can identify the actual position of chain pulled?
a) Pull box will in up position & hissing sound heard
b) Pull box will in down position & hissing sound not heard
c) Pull box will in down position and hissing sound can hear
d) None of these
- 271) Location of isolating cock provided in 'PEASD' in LHB coaches.
a) On under gear
c) No isolating cock provided
- 272) When emergency pull box pulled from inside the coach.
a) The air pressure slightly dropped.
c) No pressure dropped
- 273) When emergency chain pulled, brake accelerator will -
a) Not respond
c) May be respond
- 274) Thickness of new brake pad is –
a) 28 mm
c) 35 mm
- 275) Condemning limit of brake pad is -
a) 10 mm
c) 8 mm
- 276) Maximum brake cylinder pressure in kg/cm² is -
a) 3.0 ± 0.1 kg/cm²
c) 2.8 kg/cm²
- 277) Maximum gap between brake disc and brake pad is -
- b) Permanent fault at several axles.
d) Permanent fault at one axle
- b) Permanent fault at several axles
d) Both a & b
- b) Permanent fault
d) none of these
- b) 1.0 kg/cm²
d) none of these
- b) 2.0 mm
d) No choke
- b) 6.0 mm
d) 9.0 mm
- b) Passenger emergency alert safety device.
d) None of these
- b) From anywhere of inside coach
d) Both a & b
- b) Near emergency brake valve
d) None of these
- b) The air pressure dropped.
d) None of these.
- b) Respond
d) None of these.
- b) 30 mm
d) 32 mm
- b) 7 mm
d) 9 mm
- b) 3.8 ± 0.1 kg/cm²
d) 4.0 ± 0.1 kg/cm²

- a) 3mm
c) 2mm
- b) 1.5 mm
d) 1 mm
- 278) In built slack adjuster in brake cylinder is -
a) Single acting mechanism
c) No slack adjuster
- b) Double acting mechanism
d) None of these.
- 279) How can brake be replaced?
a) By opening slack adjuster nut of cylinder
c) Both a & b.
- b) By opening brake caliper
d) None of these.
- 280) Actual size of tool required to open slack adjuster nut of KB brake cylinder is -
a) 42 mm
c) 36 mm
- b) 27 mm
d) 40 mm
- 281) Correct direction to open slack adjuster nut of 'KB' make brake cylinder is -
a) Anti clock wise
c) Any direction
- b) Clock wise
d) None of the above
- 282) Actual size of tool required to open slack adjuster nut of 'SAB' brake cylinder is -
a) 46 mm
c) 47 mm
- b) 42 mm
d) 45 mm
- 283) Friction area of brake pad is -
a) 400 cm²
c) 350mm
- b) 300 cm²
d) 375 cm²
- 284) If brake cylinder pipe pressure is below 0.6 bars, the brake indicator shows -
a) Red
c) Half R, Half Green
- b) Green
d) Yellow
- 285) If brake cylinder pipe pressure is equal or more than 0.6 bar, the brake indicator shows-
a) Green
c) Half Red, Half Green
- b) Red
d) Yellow
- 286) What is the diameter meter of brake disc?
a) 110 mm
c) 70 mm
- b) 640 mm
d) 125 mm
- 287) Brake disc made up of -
a) Gray Cast iron
c) Special cast steel
- b) Cast steel
d) none
- 288) Fins provided between the brake discs -
a) For strengthening to the disc
c) None of these
- b) For cooling of disc
d) Both a & b
- 289) The brake disc fitted on a same axle at the distance is -
a) 1030 mm
c) 1100 mm
- b) 1070 mm
d) 1125 mm
- 290) Distance of brake disc from inner face of wheel is -
a) 195 mm
c) 250 mm
- b) 175 mm
d) 210 mm
- 291) How many types of brake system being used in LHB coaches -
a) One b) Four c) Two d) Three
- 292) What are main advantages to adopt disc brake system on LHB coaches?
a) Wear and tear on wheels in minimized
c) Effective braking than old system
- b) Over all life of wheels is increased
d) All above
- 293) How many brake discs are provided on one axle?

- a) One
c) Three
- b) Two
d) Four
- 294) The Fins provided in between the brake discs for -
a) To minimized weight of brake disc
b) To provided effective cooling during braking
c) To provided strength to break disc
d) To increase friction property of brake disc
- 295) How many brake discs provided on LHB coaches are -
a) Four
b) Twelve
c) Eight
d) Sixteen
- 296) Lateral and longitudinal guidance of FIAT bogie is made by _____?
a) Articulated control arm
b) Secondary suspension
c) Antiroll bar
d) Traction lever
- 297) To avoid tilting while curve negotiation, LHB coaches are fitted with _____?
a) Traction lever
b) traction rod
c) Antiroll bar
d) Control bar
- 298) How many brake cylinders are uses in a LHB type coaches.
a) 1
b) 6
c) 12
d) 8
- 299) Outer diameter of main BP pipe line is -
a) 20mm
b) 28 mm
c) 30 mm
d) 40 mm
- 300) Outer diameter of main FP pipe line is -
a) 20 mm
b) 40 mm
c) 28 mm
d) 30 mm
- 301) Outer diameter of main BC pipe line is -
a) 20 mm
b) 18 mm
c) 22 mm
d) 10 mm
- 302) Brake caliper unit mounted on -
a) Bogie cross beam
b) Bogie side frame
c) Wheel axles
d) Any of above
- 303) By pass system is used in brake system when -
a) F.P pipe broken
b) B.P Pipe broken
c) Hose pipe broken
d) Any of these
- 304) Single pipe system is used in brake system when -
a) F.P pipe broken
b) B.P Pipe broken
c) Hose pipe broken
d) Any of these
- 305) What will you do when one end BP angle cock leakageenroute -
a) By pass the coach
b) Single pipe the train
c) Isolate the line from T- joint
d) Any of above
- 306) Brake caliper unit should be checked for -
a) Corroded part
b) Worn out pins
c) Free leverage
d) All above
- 307) Brake caliper unit mounted with the help of -
a) M16x60 bolt
b) M 12x 60 mm bolt
c) M 24X60 mm bolt
d) M 20 x60 mm bolt
- 308) Torque required for brake caliper mounting bolt is -

- a) 170 nm
c) 200nm
- b) 60 nm
d) 190 nm
- 309) Brake caliper jammed when -
a) Middle pin corroded
c) Brake cylinder lose
- b) Brake pad pin worn out
d) Any of above
- 310) What can do to prevent brake caliper unit jamming -
a) Regular clean & lubricate middle pin
c) Clean & lubricate brake pad pin
- b) Regular clean & lubricate mounting bolt
d) Any of above
- 311) Brake cylinder bellow of brake caliper unit should not be allowed it -
a) Torn below
c) Bent bellow
- b) Cracked bellowed
d) All above
- 312) Brake indicator shows 'Green' when brakes are applied, what reason Should be -
a) CR of the coach not charged
c) Heavy leaking in BC line
- b) Hand release valve stuck up in release position
d) Any of above
- 313) One brake indicator shows 'Green' even brakes are in applied condition is -
a) CR of the coach not charged
c) Brake indicator stuck up in release position
- b) Hand release valve stuck up in release position
d) Any of above
- 314) During the Air brake test of the rake which hose pipe should be connected first -
a) FP hose pipe
c) Any hose pipe
- b) BP hose pipe
d) Both hose pipe
- 315) During Air brake testing after connecting BP hose pipewhat should be checked.
a) Only BC gauge shows pressure
c) Both BP & FP gauge shows pressure
- b) Only FP gauge shows pressure
d) Only BP gauge shows pressure
- 316) The parking brake pressure tank is charge through -
a) FP line
c) Through DV
- b) Directly from BP line
d) Any of above
- 317) During service application the brakes should apply in -
a) 20 Sec
c) 3-5 Sec
- b) 30 Sec
d) 15-20 Sec.
- 318) During service application the brake accelerator will be
a) Definitely respond
c) May be respond
- b) Does not respond
d) any of above
- 319) During drop test of the rake the maximum drop permitted in BP is -
a) 0.2 kg/cm²
c) 2.0 kg/ cm2
- b) 0.3 kg/ cm2
d) 0.6 kg/ cm2
- 320) During drop test of the rake the maximum drop permitted in FP is -
a) 0.2 kg/ cm2
c). 2.0 kg/ cm2
- b) 0.6kg/ cm2
d) 1.0 kg/ cm2
- 321) Charging time of CR is -
a) 150 Sec
c) 140 Sec
- b) 160 Sec
d) 120 Sec
- 322) After full brake application the brake should release within.
a) 10-20 Sec
c) 15-20 Sec
- b) 20-25 Sec.
d) 25- 30 Sec
- 323) In case of brake binding what should be checked first -
a) Brake binding on one trolley
c) Brake binding on one wheel set
- b) Brake binding on both trolley
d) All the above

- 324) In case of brake binding on both trolley what you do first -
 a) Isolate both trolley
 b) Isolate the DV
 c) Pull the quick release valve wire
 d) Any of above
- 325) In case of brake binding on one trolley what you do first -
 a) Isolate both trolley
 b) Isolate the DV
 c) Pull the quick release valve wire
 d) Isolate the affected trolley
- 326) In case of brake binding on one wheel set what you do first
 a) Check both brake calipers are jammed
 b) Check dump valve of affected wheel
 c) Check both brake cylinder in operative condition
 d) Any of the above
- 327) In case of brake binding on one brake disc of one wheel set it means -
 a) The brake cylinder may defective
 b) The brake caliper may jam
 c) The dump valve may defective
 d) Either a or b or both
- 328) In case of brake binding on one brake disc of one wheel set what you do first -
 a) Loosen slack adjuster nut of brake cylinder
 b) Check WSP fault
 c) Remove brake caliper pin
 d) Check dump valve
- 329) In case of brake caliper jammed, what action should be taken to Release the brakes is -
 a) Isolate the trolley
 b) Remove brake caliper pivot pin
 c) Remove brake cylinder hose pipe
 d) Any of above
- 330) In case of brake binding on both brake disc of one wheelset what you do first -
 a) Isolate affected trolley
 b) Remove flexible pipe of BC line of affected wheelset.
 c) Loosen slack adjuster nut of both brake cylinder
 d) Any of above
- 331) What will happen when brake cylinder bellow got cracked or torn?
 a) Nothing will happen
 b) Dust can enter into brake cylinder
 c) Pressure may leak through bellow
 d) None of these
- 332) If the hand brake indicators shows green even the handbrake is applied the reason will be -
 a) Both indicators are defective
 b) Parking brake continues having leakage
 c) Roller valve of hand brake in operative
 d) Above b and c both
- 333) How can you know if the NRV is defective?
 a) By check FP pressure shown in gauge even only BPhose is connected -
 b) By check no pressure in reservoir after cut the FP pressure
 c) Above a & b
 d) Cannot be checked
- 334) What will happen if no secondary suspension provided -
 a) Riding quality will affect
 b) Vertical socks will increase
 c) Wear and tear of parts increased
 d) All above
- 335) Which type of CBC is fitted in LHB Coaches?
 a) E
 b) H
 c) EH
 d) None of these
- 336) The CBC fitted on LHB coaches' has _____ feature.
 a) Anti slipping
 b) Anti rotation
 c) Anti climbing
 d) Anti Creeping
- 337) The tensile stroke of CBC is -
 a) 53-58 mm
 b) 45-50 mm
 c) 60-65 mm
 d) 35-40 mm
- 338) The maximum buffing stroke of CBC is -
 a) 58 mm
 b) 75 mm
 c) 80 mm
 d) 85 mm

- 339) Horizontal gathering range of CBC is -
- | | |
|-----------|-----------|
| a) 100 mm | b) 110 mm |
| c) 95 mm | d) 119 mm |
- 340) What is the means of Anti climbing?
- | | |
|---|-------------------|
| a) Protection against climbing of one coach to another in case of accident. | |
| b) Protection against telescopic of one coach to another in case of accident. | |
| c) Both a & b | d) None of these. |
- 341) Oil is strictly prohibited on -
- | | |
|---|-----------------------------|
| a) Uncoupling device of CBC | b) Supporting device of CBC |
| c) Coupler head knuckle and locks of CBC. | d) None of these. |
- 342) Vertical gathering range of CBC is -
- | | |
|----------|-----------|
| a) 90 mm | b) 95 mm |
| c) 85 mm | d) 100 mm |
- 343) What is the purpose of supporting device?
- | | |
|---------------------------|---------------------------------------|
| a) To support CBC weight. | b) To equalize vertical forces of CBC |
| c) Both a & b. | d) None of these |
- 344) During coupling operation the speed of vehicle should be -
- | | |
|-------------|-------------|
| a) 3-5 kmph | b) 2-3 kmph |
| c) 5 kmph. | d) 6-7 kmph |
- 345) During coupling operation the coaches should be -
- | | |
|----------------------|------------------------|
| a) On a curved track | b) On a straight track |
| c) Either a or b. | d) None of these |
- 346) Two coaches will definitely coupled if -
- | | |
|-------------------------------------|--|
| a) The rotary lock completely down. | b) Inverted 'U' should be clear |
| c) Both a & b. | d) Uncoupling handle in down position. |
- 347) Number of duplex check valves fitted in air spring bogie
- | | |
|-------|-------|
| a) 02 | b) 04 |
| c) 01 | d) 03 |
- 348) If the Jaw gap gauge passes through the gap -
- | | |
|--------------------------------|-------------------------------------|
| a) Knuckle is needs to replace | b) Lock assembly is need to replace |
| c) Either a or b | d) None of above |
- 349) Gauging of CBC is done when -
- | | |
|-------------------------------|------------------------------|
| a) Knuckle in closed position | b) Knuckle in open position. |
| c) Either a or b | d) None of above |
- 350) During check of contour of knuckle the contour gauge must -
- | | |
|-----------------------------|-------------------------|
| a) Not pass through knuckle | b) Pass through knuckle |
| c) Either a or b | d) None of above |
- 351) The max height of supporting device should be
- | | |
|-------------|-------------|
| a) 190 mm | b) 187 mm |
| c) 187.5 mm | d) 189.5 mm |
- 352) To keep the coupler in level, the maximum distance between centre of coupler and lower edge of socket should be
- | | |
|----------|-----------|
| a) 250mm | b) 260mm |
| c) 240mm | d) 255 mm |
- 353) Maximum torque is required for supporting device bolts.
- | | |
|-----------|-----------|
| a) 400 NM | b) 550 NM |
| c) 350 NM | d) 200 NM |

- 354) Maximum torque is required for base plate bolts.
a) 45 NM b) 180-200NM
c) 500 ±25 NM d) 55±50 NM
- 355) Min. thickness of shim required for increase of bufferheight -
a) 5 mm b) 3 mm
c) 10 mm d) 15 mm
- 356) What is new Wheel dia (in mm) of VandheBharath Train?
a.925 b.915 c.952 d.906
- 357) Condemnation limit of Wheel dia(in mm)used in VandheBharath(Train -18 is ____
a.855 b.877 c.892 d.906
- 358) Tacho generator is placed at _____ in Tain-18.
a. Over control arm b. WSP cabinet
c. Axle front cover d. Over traction motor
- 359) What is the Max Test speed of Vandhebharath(Train -18) in Kmph?
a.166 b.176 c.186 d.196
- 360) What is the Max Service speed of Vandhebharath(Train -18) in Kmph?
a.160 b.150 c.170 d.180
- 361) Maximum axle load of axle used in Vandhebharath(Train -18) is ____
a.16T b.17T c.18T d. 19T
- 362) How much % of coaches powered in Vandhebharath (Train -18)?
a.65 b.55 c.60 d.50
- 363) Which type of material is used to make car body of Vandhebharath (Train -18) coaches?
a. FRP b. Stainless steel c. Nickel Chromium steel d. Ferritic steel
- 364) How many coaches are powered in a Basic Unit (BU) ofVandhebharath (Train -18)?
a.2 b.1 c. 3 d. 4
- 365) In which car Traction motors are equipped in Vandhebharath (Train -18)?
a. Trailer car b.Motor car c. Driving trailer car d.Non driving trailer car
- 366) From which car Current collection through pantograph takes place in Vandhebharath (Train -18),
a. Motor car b.Driving trailer car c. Trailer car d.Non driving trailer car
- 367) How many number of seats in Excutive chair car in Vandhebharath (Train -18)
a.72 b.62 c.52 d.82
- 368) Which of the following arrangement is available in primary suspension ofVandhebharath (Train -18)?
a.Control arm only b.Air spring only
c. Coil spring with control arm d. Coil spring only
- 369) Which type of brake system is used in Vandhebharath (Train -18)?
a. Electro Magnetic
b. Graduated application and release through A9 valve
c. Electro Pneumatic
d. Graduated application and release through SA9 valve
- 370) Where is disk brake system mounted in Vandhebharath (Train -18)
a) Axle b. Wheel tread c. Wheel d. None of the above
- 371) Basic Unit (BU) in Train-18 consists of ____
a) DTC+MC+TC+MC b) MC+TC+MC+DTC c) MC+NDTC+MC+DTC d) NDTC+TC+TC+MC

- 388 Checking of dampers its rubber elementis done in -
 a) D1 Schedule b) D2 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 389 Checking of bearing for hot and grease leakage is done in
 a) D1 Schedule b) D2 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 390 Checking of wheel profile gauge is done in
 a) D1 Schedule b) D2 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 391 Inspection of Rotation Limiter is done in -
 a) D1 Schedule b) D2 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 392 Checking of tread diameter and wear of wheel profile is done in -
 a) D1 Schedule b) D2 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 393 Inspection of grease oozing out of anti roll bar bearing isdone in -
 a) D1 Schedule b) D2 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 394 Lubrication of all pins and bushes is done in -
 a) D1 Schedule b) D2 & D3 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 395 Inspection of coupler head, knuckle for damage is checked in -
 a) D1 Schedule b) D2 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 396 Checking of tell tale recess for ensuring proper coupling is done in -
 a) D1 Schedule b) D2 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 397 Cleaning of Air Filter is done in -
 a) D1 Schedule b) D2 Schedule
 c) D1, D2 & D3 Schedule d) D2 & D3 Schedule
- 398 Draining of Air tank is done in -
 a) D1 Schedule b) D2 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 399 Inspection of seats, Luggage rack etc. is done in -
 a) D1 Schedule b) D2 & D3 Schedule
 c) D1, D2 & D3 Schedule d) D3 Schedule
- 400 What is SS-I?
 a) Shop Superintendent-I b) Shop Schedule-I
 c) None of these d) All
- 401 Where shop schedule is carried out -
 a) In primary depot b) In sick line
 c) In workshops d) none
- 402 With respect to Kms, Frequency of SS-III is -
 a) 10 Lakh Kms b) 15 Lakh Kms
 c) 24 Lakh Kms d) 20 Lakh Kms

- 403 If both side lateral dampers removed from bogies -
 a) The coach may derail
 b) The centre pivots may displace
 c) Bolster top plank may twist
 d) Lateral socks may increase
- 404 In case of grease oozing, can be seen from -
 a) At front sealing ring of bearing
 b) At bottom plug of bearing housing
 c) At backing ring of bearing
 d) All of above.
- 405 How much grease is required for Timken make bearing?
 a) 300 gm
 b) 350 gm
 c) 500 gm
 d) 400 gm
- 406 What is the advantage of dampers?
 a) Suspension may be increased.
 b) Ridding index may be improved.
 c) Comfort may be increased.
 d) All of above
- 407 The CBC fitted on LHB coaches has -
 a) Only pulling action
 b) Only buffing action
 c) Both pull & Buffing action
 d) Either a or b
- 408 What kind of maintenance is used for rolling stock is -
 a) Break down maintenance
 b) Preventive maintenance
 c) Both a & b
 d) Either a or b
- 409 Primary maintenance is a type of
 a) Break down maintenance
 b) Preventive maintenance
 c) Safe to run examination
 d) None of these
- 410 POH and IOH schedule of Rajdhani coaches is a type of -
 a) Break down maintenance
 b) Preventive maintenance
 c) Both a & b
 d) Either a or b
- 411 The maintenance done on pit line is -
 a) Secondary maintenance only
 b) Primary maintenance only
 c) Safe to run only
 d) a & b of above only
- 412 The capacity of axle of LHB coach is -
 a) 13 t
 b) 16 t
 c) 16.25 t
 d) 22 t
- 413 "Yellow point" is provided on axel boxes indicated for
 a) The location where Roller bearing may crack
 b) The location where actual temperature of bearing can be measure
 c) The No of axel boxes
 d) None of these.
- 414 The main function of anti roll bar is -
 a) To allow rolling action of the coach
 b) To prevent Rolling action of the coach
 c) To provided strength for bogie
 d) To negotiate the track curve
- 415 Free movement of Anti Roll bar is depends upon -
 a) Condition of Grease in bracket
 b) Condition of bearing at both ends
 c) Condition of can of bearing
 d) All of above
- 416 The anti toll bar must be checked for -
 a) Any weariness
 b) Any cracks
 c) Free movement
 d) All the above
- 417 Condition of grease of anti roll bar should be checked during every -
 a) D1 schedule
 b) D2 schedule
 c) D3 schedule
 d) All the Above

- 418 Grease of anti roll bar should be replace during every
- | | |
|------------------|----------------|
| a) Trip schedule | b) D1 schedule |
| c) D2 schedule | d) D3 schedule |
- 419 Wheel tapping is done to detect
- | | |
|-----------------------|----------------------|
| a) Any hair crack | b) Any material flow |
| c) Any wheel shelling | d) All the above |
- 420 Shelling on a wheel set the reason may be
- | | |
|---|-----------------------------|
| a) WSP system hot function properly | b) Brake caliper may jammed |
| c) One or both brake cylinder may defective | d) All above |
- 421 How much shelling on a wheel can be allowed -
- | | |
|-------------------|------------------------|
| a) 50 mm | b) 30 mm |
| c) 20 mm multiple | d) No shelling allowed |
- 422 The NRV is provided in
- | | |
|------------|---------------|
| a) BC line | b) BP line |
| c) FP line | d) All above] |
- 423 If the silent block of roll link is shifted one side the roll link -
- | | |
|--------------------------------|---------------------|
| a) Not required to replace | b) Must be replaced |
| c) Can be allowed for one trip | d) None of these |
- 424 If the silent block of traction link shifted to one side the traction link -
- | | |
|--------------------------------|---------------------------|
| a) Must be replace | b) Not required replacing |
| c) Can be allowed for one trip | d) None of these |
- 425 What is the purpose to provide primary dampers -
- | | |
|----------------------------------|-------------------------------|
| a) To minimize primary damping | b) To support primary springs |
| c) To improve primary suspension | d) All of above |
- 426 What is the purpose to provided yaw dampers?
- | | |
|-------------------------------|---|
| a) To minimize rolling motion | b) To minimize scattering action of coach |
| c) To improve riding index | d) All the above |
- 427 Why only one lateral damper is provided on each bogie -
- | | |
|---|---|
| a) To reduce the total cost of coach | b) To reduce total weight of coach |
| c) To improve lateral damping of one sided) | d) It can control both side lateral movements |
- 428 The movement of sliding doors can be adjusted by -
- | | |
|--------------------------------|----------------------|
| a) Adjusting of cylinder | b) Adjusting of belt |
| c) Adjusting of cylinder screw | d) All of above |
- 429 The toothed belt is provided on
- | | |
|----------------------------|--|
| a) Only on sliding doors | b) Only on flap doors |
| c) Only on vestibule doors | d) On both vestibule and sliding doors |
- 430 How can you identified the emergency windows
- | | |
|-------------------------------------|--|
| a) Provided with Red colour handles | b) Provided with stickers on each emergency window |
| c) Above a & b | d) None of these |
- 431 The FRP panels are -
- | | |
|-------------------|-----------------|
| a) Fire retardant | b) Fire proof |
| c) Fire friendly | d) All of above |
- 432 Curtains and Rexene seats provided on LHB coaches are
- | | |
|---------------|-------------------|
| a) Fiber made | b) Fire retardant |
| c) Fire proof | d) All of above |

- 433 How many under slung water tanks are provided on ACCN coaches -
 a) 2 b) 3
 c) 4 d) 5
- 434 How many under slung water tanks are provided on WLRRM coaches -
 a) 2 b) 3
 c) 4 d) 1
- 435 What is the capacity of under slung water tank provided on WLRRM -
 a) 630 ltr. b) 640 ltr.
 c) 400 ltr. d) 450 ltr.
- 436 What is the purpose to provide water level indicator on water tanks -
 a) Availability of water b) Capacity of water tank
 c) Location of water tank d) None of these
- 437 What is the purpose to provide sensor on water tank?
 a) Availability of water b) Capacity of water tank
 c) Location of water tank d) To provide signal to pump control
- 438 The sensor is provided on -
 a) All water tanks b) Two water tanks
 c) One water tank d) None of these
- 439 The pump control shows "EMPTY" even the water tank is full of water it means.
 a) Sensor may defective b) No water in the tank
 c) Both A & B d) None of these
- 440 If the primary spring of an axle box is weak it can be identified by -
 a) Measuring the distance between control arm top and bogie frame
 b) Measuring the distance between control arm bottom and bogie frame
 c) Measuring the deflection of primary damper
 d) Measuring the distance between control arm lug and safety pin
- 441 If the luggage door top stopper is missing -
 a) The luggage door will not close b) The luggage door will not open
 c) The luggage door lock will not operate d) Either A or B
- 442 If the dump valve continuous venting the reason may be -
 a) Dump valve is defective
 b) Dump valve electrical supply disturbed
 c) Dump valve stuck up in actuating position d) WSP is defective
- 443 What is the corrective action if dump valve is venting continuously -
 a) Reset the WSP system b) Rearrange the WSP system
 c) Pull out dump valve connector and reconnect d) Replace the dump valve
- 444 The dump valve works only during -
 a) Emergency braking b) Service application
 c) Difference in speed of wheel d) Difference in diameter of wheel
- 445 If the speed of all axles is same and emergency braking is applied the dump valve will -
 a) Does not respond b) Definitely respond
 c) Only one will respond d) May be respond
- 446 If the speed of all axles is Different and emergency braking is applied the dump valve will -
 a) Does not respond b) Definitely respond
 c) Only one will respond d) May be respond
- 447 If the speed of all axles is Different in a coach during the emergency braking the dump valve will respond

- a) Whole the rake
 - b) All dump valve of the coach
 - c) Particular dump valve of the coach
 - d) None of these
- 448 The correct action of axle box feeling by manually is
- a) Hold the bare hand on the axle box for 5 minutes
 - b) Hold the bare hand on the axle box for some times
 - c) Instant touching of axle box by bare hand
 - d) All of above
- 449 If only one wheel set is required to change the correctaction will be -
- a) Roll out the both trolley
 - b) Roll out the affected trolley
 - c) Lift the coach with trolley
 - d) Dismantle the wheel connections and Lift the coachwith trolley
- 450 What can you do to avoid jamming of brake caliper?
- a) Clean and lubricate the middle pin
 - b) Clean and lubricate the brake shoe
 - c) Periodic checks by rotate slack adjuster nut
 - d) All of above
- 451 The brake pads should be of same thickness on
- a) Both caliper of one wheel set
 - b) All caliper of a trolley
 - c) Each calliper
 - d) All caliper of both trolley
- 452 If difference in thickness of brake pads is appear, thereason could be -
- a) The brake pads fitted with different thicknesspurposely
 - b) The calliper is running in jam condition
 - c) The slack adjustment of brake cylinder is not proper
 - d) Any of the above
- 453 If the brake pads are wearing out in taper condition, thereason could be -
- a) The brake pads fitted with taper thickness purposely
 - b) The caliper is running in jam condition
 - c) The mounting bush of caliper unit is perished orcracked
 - d) Any of the above
- 454 If heavy scratch marks are appears on brake disc, thereason could be -
- a) The brake pads are worn out beyond condemning limit
 - b) The brake pads are missing
 - c) The foreign particle present between brake pads
 - d) All of above
- 455 If the brake pads are wearing out in taper condition, thecorrect action will be -
- a) Allow the brake pads in same condition
 - b) Replace the brake pads immediately
 - c) Replace the brake caliper unit immediately
 - d) None of these

WAGONS

- 456 What is the length over Headstock of the BOXN wagon?
(a) 9774 mm (b) 9784 mm
(c) 9777 mm (d) 9848 mm
- 457 Tare weight of the BOXN wagon is -
(a) 22.37 tons. (b) 23.2 tons.
(c) 22.91 tons. (d) 22.90 tons.
- 458 What is the length over couplers of the BOXN wagon?
(a) 10713 mm (b) 10813 mm
(c) 11002 mm (d) 10100 mm
- 459 What is the length over couplers of the BCN wagon?
(a) 15400 mm (b) 15443 mm
(c) 15429 mm (d) 15562 mm
- 460 Gross load of the BOXN wagon is -
(a) 78.92 t (b) 81.28 T
(c) 86.78 t (d) 88.81 t
- 461 In accident manual, train parting is under –
(a) J class (b) K class
(c) C class (d) P class
- 462 Newly built BOXN wagon first POH periodicity is –
(a) 4.5 year (b) 5.5 year
(c) 6.0 year (d) 6.5 year
- 463 Newly built BLC containers wagon first POH periodicity is –
(a) 4.5 year (b) 2.0 year
(c) 6.0 year (d) 3.5 year
- 464 Board gauge track gauge is –
(a) 1676 mm (b) 1667 mm
(c) 1698 mm (d) 1500 mm
- 465 POH of BG brake van is –
(a) 3.5 year (b) 2.0 year
(c) 2.5 year (d) 3.0 year
- 466 Torque value of Cartridge type roller bearing cap screw is –
(a) 42.0 kg-m. (b) 40.0 kg-m.
(c) 38.0 kg-m. (d) 44.0 kg-m.
- 467 C- class ODC shall be moved during –
(a) Day light (b) Day-night time
(c) Only night time (d) None of the above
- 468 In air brake system, the thread joints are tightened with which type of tape?
(a) Cello tape (b) Teflon tape
(c) Paper tape (d) None of the above
- 469 Instructions for inspection and maintenance of BOXN wagon fitted with CASNUB bogies and air brake system, What RDSO's technical pamphlet is used?
(a) G-90 (b) G-70
(c) G-97 (d) WT- 77

- 470 Instructions for inspection and maintenance of CASNUB bogies, What RDSO's technical pamphlet is used?
- (a) G-97 (b) G-86
(c) G-90 (d) G- 95
- 471 As per new wagon numbering scheme, first two digits will indicate-
- (a) Owning Railway (b) Type of wagon
(c) Year of manufacture (d) Cheek digit
- 472 What do you mean by PME?
- (a) Pre medical examination (b) Pre maintenance examination
(c) Periodical maintenance examination (d) Power mechanical equipment
- 473 What do you mean by CC rakes?
- (a) Content contact pad. (b) Close circuit rake
(c) Complete coal rake (d) All the above
- 474 The minimum permissible buffer height above rail line to center of H/ Stock under loaded condition is -
- (a) 1105 mm (b) 1145 mm
(c) 1115 mm (d) 1030 mm
- 475 Standard diameter of knuckle pivot pin is -
- (a) 50 mm (b) 43 mm
(c) 41.28 mm (d) 34 mm
- 476 Standard dimension of shank wear plate for AAR coupler is -
- (a) 12 mm (b) 8 mm
(c) 6 mm (d) 14 mm
- 477 Standard dimension of distance between the nose of Knuckle and guard arm is -
- (a) 140 mm (b) 150 mm
(c) 127 mm (d) 12 mm
- 478 The maximum permissible free slack in the draft gear in service is –
- (a) 35 mm (b) 30 mm
(c) 25 mm (d) 20 mm
- 479 No. of CBC gauge are –
- (a) 5 (b) 8
(c) 12 (d) 2
- 480 The high capacity draft gears are -
- (a) Mark -20 & RF-401 (b) Mark 50 & RF361
(c) CF 21& RF-600 (d) DF 39 & RF-21
- 481 To Adjust buffer height for 930 mm wheel diameter on BCN wagon except CASNUB 22 W, packing piece used is –
- (a) 38 mm (b) 37 mm
(c) 33 mm (d) 32 mm
- 482 What type of center buffer coupler used in Indian Railway?
- (a) APRT type (b) AARP type
(c) AAR type (d) ARPA type
- 483 The working strength of center buffer coupler is -
- (a) 100 t (b) 120 t (c)
140 t (d) 180 t

- 484 The tractive effort of the Loco to the individual wagons is transmitted with the help of -
 (a) CBC (b) Draw gear
 (c) Knuckle (d) Side frame
- 485 Clevis and Clevis pin are the part of –
 (a) Alliance- II coupler (b) Non- Transition coupler
 (c) Transition coupler (d) Draw bar
- 486 Standard diameters of wheel on BOXN Wagon is -
 (a) 1010 & 900 mm (b) 1000 & 906 mm
 (c) 950 & 906 mm (d) 906 & 813 mm
- 487 The axle load of BOXN, BCN, BRN, BOBR, BTPN wagon is -
 (a) 22.9 t (b) 20.32 t
 (c) 16.6 t (d) 12.2 t
- 488 The wheel gauge should be measured on –
 (a) Off load condition (b) Loaded wagon
 (c) Both condition (d) Empty wagon
- 489 The lowest wheel dia permitted by workshop for BOXN wagon is -
 (a) 919 mm (b) 906 mm
 (c) 925 mm (d) 860 mm
- 490 In E type CTRB the grease use per Axle box is -
 (a) 390 ± 20 gms (b) 490 ± 15 gms
 (c) 500 ± 35 gms (d) 550 ± 20 gms
- 491 The condemning diameter of BTPN wheel is -
 (a) 813 mm (b) 990 mm
 (c) 906 mm (d) 860 mm
- 492 Permissible maximum flat surface on tread on other BG wagon are –
 (a) 75 mm (b) 60 mm
 (c) 75 mm (d) 70 mm
- 493 What is an integrated portion of the axle?
 (a) Cap (b) Roller bearing
 (c) Journal (d) None of the above
- 494 Standard dimension 'e' in SAB on Goods stock is -
 (a) 550 to 570 mm (b) 555 to 575 mm
 (c) 570 to 580 mm (d) 555 to 565 mm
- 495 The colour coding of distributor valve of air brake goods stock is –
 (a) Yellow (b) Black
 (c) Green (d) White
- 496 In air brake end-to end rakes, After intensive examination validity of BPC remain up to the –
 (a) Next station (b) Loading point
 (c) Destination point (d) 72 Hours
- 497 Control rod diameter of air brake wagon is –
 (a) 30 mm (b) 32 mm
 (c) 38 mm (d) 40 mm
- 498 Piston stroke of BOXN wagon in empty conditions is -
 (a) 85 ± 10 mm (b) 70 ± 15 mm
 (c) 75 ± 5 mm (d) 80 ± 10 mm

- 499 Piston stroke of BOXN wagon in loaded conditions is -
 (a) 140 ± 15 mm (b) 130 ± 10 mm
 (c) 120 ± 15 mm (d) 125 ± 15 mm
- 500 In air brake stock, BPC becomes invalid, if the rake is stabled in any examination yard for more than-
 (a) 24 hours (b) 36 hours
 (c) 48 hours (d) 12 hours
- 501 Dirt collector of a wagon should be cleaned within-
 (a) At the time of ROH (b) 2 month
 (c) 6 month (d) 3 month
- 502 What is the capacity of control reservoir in goods train?
 (a) 4 Lit. (b) 6 Lit
 (c) 8 Lit. (d) 10 Lit.
- 503 Permissible variation in new wheel tread diameter on the same axle on BG bogie wagon is -
 (a) 0.45 mm (b) 0.5 mm
 (c) 0.35 mm (d) 0.3 mm
- 504 Permissible variation in wheel tread diameter on the same trolley of BG wagon while changing the wheel is
 (a) 10 mm (b) 13 mm
 (c) 12 mm (d) 15 mm
- 505 Permissible variation in wheel tread diameter on the same wagon of BG while changing the wheel is -
 (a) 13 mm (b) 25 mm
 (c) 30 mm (d) 28 mm
- 506 The composite Brake block in yard for air Bk. train should be changed when thickness is
 (a) 10.0 mm (b) 15.0 mm
 (c) 20.0 mm (d) 25.0 mm
- 507 Of which brake van the quick coupling is the part-
 (a) BVZT (b) BVZX
 (c) BVZC (d) BVZM
- 508 The BP pressure in Brake Van of 56 -BOXN wagon load should not be less than –
 (a) 4.5 kg/ Cm^2 (b) 3.7 kg/ Cm^2
 (c) 4.8 kg/ Cm^2 (d) 5.8 kg/ Cm^2
- 509 When we release manually KE type DV, the air pressure release form -
 (a) CR & AR (b) BC & AR
 (c) CR & BC (d) AR & DV
- 510 The diameter of branch pipe of BP to DV for wagon is –
 (a) 25 mm (b) 20 mm
 (c) 13 mm (d) 22 mm
- 511 'A' dimension in Boxn wagon is -
 (a) 70 ± 0 mm (b) 172 ± 3 mm
 (c) 175 ± 4 mm (d) 175 ± 1 mm
- 512 For testing Air pressure locomotive the test plate hole diameter is-
 (a) 8.2 mm (b) 7.5 mm
 (c) 9.5 mm (d) 10 mm

- 513 The diameter of air brake cylinder BOXN wagon is-
 (a) 300 mm (b) 355 mm
 (c) 360 mm (d) 315 mm
- 514 The diameter of air bake cylinder in BVZC (Wagon) is -
 (a) 300 mm (b) 295 mm
 (c) 305 mm (d) 315 mm
- 515 The capacity of Auxiliary Reservoir (wagon) in air brake except Bk.Van is-
 (a) 200 litre (b) 100 litre
 (c) 300 litre (d) 150 litre
- 516 In Single pipe system the time taken in releasing of the wagon brake is-
 (a) 60 Sec. (b) 120 Sec.
 (c) 210 Sec. (d) 90 Sec.
- 517 Distance between the control rod head and the barrel of SAB is named as -
 (a) 'E' dimensions (b) 'C' dimension
 (c) 'A' dimension (d) "d" dimension
- 518 The capacity of compressor machine for air brake testing of rake is –
 (a) 12-15 Kg/ Cm² (b) 8-10 Kg/ Cm²
 (c) 7-12 Kg/ Cm² (d) 7-8 Kg/ Cm²
- 519 At the originating point, minimum brake power of premium end-to-end rake is -
 (a) 85% (b) 95%
 (c) 90% (d) 98%
- 520 The brake power of CC rake from nodal point is –
 (a) 90% (b) 100%
 (d) 85% (d) 75%
- 521 Brake power certified issued for Premium end-to-end rakes will be valid for –
 (a) 10+5 days (b) 12+3 days
 (c) 15+3 days (d) one month
- 522 What is the function of DC (Dirt collector)?
 (a) Collect dirt (b) Collect air
 (c) Clean air (d) Clean CR
- 523 How much pressure should drop in a minute after putting a test plate in locomotive?
 (a) 0.8 Kg/ Cm² (b) 1.0 Kg/ Cm²
 (c) 1.2 Kg/ Cm² (d) 1.5 Kg/ Cm²
- 524 The colour for brake power certificate for Premium end-to-end rake is-
 (a) Green (b) White
 (c) Pink (d) Yellow
- 525 For testing DV the time required for brake cylinder draining from 3.8 to .04 kg/cm² is -
 (a) 30-40 sec (b) 40-50 sec
 (c) 45-60 sec (d) 50-75 sec
- 526 What is the piston stroke of BVZC wagons?
 (a) 50±10 mm (b) 70±10 mm
 (c) 85±10 mm (d) 90± 5 mm
- 527 What is the empty piston stroke of BOBR/BOBRN wagon is -
 (a) 70±10 mm (b) 75±10 mm
 (c) 80±10 mm (d) 100±10 mm

- 528 'A' dimension of the BOBRN wagon is -
 (a) 29 ± 2 mm (b) 27 ± 2 mm
 (c) 33 ± 2 mm (d) 25 ± 5 mm
- 529 What is the colour of BPC of air brake CC rake?
 (a) Red (b) Pink
 (c) Green (d) Yellow
- 530 Control rod of SAB when rotated for one round, control rod head moves by a distance of
 (a) 6.0 mm (b) 4.0 mm
 (c) 2.0 mm (d) 1.0 mm
- 531 In wagon, hand brake is used when -
 (a) Standing in yard (b) Running in down gradient
 (c) Running in up gradient (d) None of the above
- 532 SAB adjust clearance between -
 (a) Wheel and brake block (b) Tie Rod and Brake block
 (c) Anchor pin to control rod (d) None of the above
- 533 The M.R. pressure of engine should be-
 (a) 6.0 to 8.0 Kg/ Cm^2 (b) 8.0 to 10.0 Kg/ Cm^2
 (c) 10.0 to 12.0 Kg/ Cm^2 (d) 12.0 to 15.0 Kg/ Cm^2
- 534 What do you mean of SWTR?
 (a) Single wagon test rubber (b) Single wagon test rig
 (c) Sliding wagon test ring (d) None of the above
- 535 If C3W type DV is manually released, pressure is released from -
 (a) AR (b) Control reservoir
 (c) Brake cylinder (d) All above
- 536 To uncouple BP or FP air hose it is essential to
 (a) Open adjacent angle cock (b) Close adjacent angle cocks
 (c) Close supply of air from loco (d) None of the above
- 537 The Empty Load Device indicator plate shows -
 (a) Yellow empty, black loaded (b) Blue empty, black loaded
 (c) White empty, black loaded (d) black empty, blue loaded
- 538 The first step of releasing brake binding in conventional A/B system is to -
 (a) Open vent plug of BC (b) Rotate SAB
 (c) Take out pin of SAB (d) Isolate DV & release manually.
- 539 The Type of dirt collector, used in wagon is -
 (a) 2-way (b) 3-way
 (c) Branch pipe of BP to DV (d) In BP
- 540 The function of Return spring provided in air brake cylinder is -
 (a) To push the spring out side the piston
 (b) To push the piston inside the cylinder
 (c) To push the deed lever
 (d) To push the control rod
- 541 Standard thickness of UIC/CASNUB bogies composite brake block is-
 (a) 60 mm (b) 45 mm
 (c) 55 mm (d) 58 mm

- 542 How many side frame fitted in CASNUB trolley / bogie?
 (a) 2 (b) 1
 (c) 3 (d) Nil
- 543 What is the axle load of CASNUB trolley?
 (a) 19.2 ton (b) 22.9 ton
 (c) 20.3 ton. (d) 20.9 ton
- 544 What is the new wheel diameter CASNUB 22 w (Retrofitted)?
 (a) 1000 mm (b) 960 mm
 (c) 956 mm (d) 946 mm
- 545 What type of pivot used in CASNUB 22WM, 22NL and other type of CASNUB trolley?
 (a) IRS type (b) Spherical type
 (c) other type (d)
- 546 What is the nominal lateral clearance between side frame & axle box/adopter Casnub 22NL, 22NLB, 22HS bogie?
 (a) 18 mm (b) 16 mm
 (c) 22 mm (d) 25 mm
- 547 What is the standard inclination on wheel tread?
 (a) 1 in 20 (b) 1 in 22
 (c) 1 in 18 (d) 1 in 25
- 548 How many types of adopters used in CASNUB trolley?
 (a) 2 (b) 1
 (c) 3 (d) 4
- 549 Condemning size of elastomeric pad for Casnub bogie is -
 (a) 44 mm (b) 43 mm
 (c) 42 mm (d) 40 mm
- 550 Nominal dimension of side bearer rubber pad for Casnub bogie is -
 (a) 114 mm (b) 116 mm
 (c) 118 mm (d) 120 mm
- 551 Condemning size of side bearer rubber pad for Casnub bogie is -
 (a) 111 mm (b) 110 mm
 (c) 109 mm (d) 108 mm
- 552 What type of side bearers fitted in CASNUB 22HS trolley?
 (a) Metal CC type
 (b) Spring loaded CC type side bearer & PU type
 (c) Roller type
 (d) none of the above
- 553 Which types of steel are used in side frame column friction plates of Casnub bogie?
 (a) Mild steel (b) Carbon steel
 (c) Silico manganese steel (d) None of the above
- 554 The clearance between pins and bushes should not exceed
 (a) 1.0 m (b) 0.5 mm
 (c) 1.5 mm (d) None of the above

- 555 Which type of composite brake block is used in freight stock of under frame mounted brake system?
 (a) 'K' type (b) 'L' type
 (c) 'KL' type (d) 'Modified K' type
- 556 During rolling out examination, it is seen that -
 (a) Flat place on tyre
 (b) Smoke is coming from axle box
 (c) No brake binding (d) Broken spring
- 557 After RDSO Recommendation, What material is used in BVG brake van in place of wood dust bag?
 (a) Glass wool (b) Cottonwood
 (c) Steel wool (d) None of the above
- 558 Broad gauge roller bearing radial clearance is -
 (a) 123 to .132 mm (b) 0.132 to 0.145 mm
 (c) 0.145 to 0.19 mm (d) 0.19 to 0.25 mm
- 559 C- class ODC shall be moved during -
 (a) Day light (b) Day-night time
 (c) Only night time (d) None of the above
- 560 What type of coupler used in brake van match truck (BVM)?
 (a) Screw coupling (b) CBC
 (c) Non- transition (d) None of the above
- 561 In air brake system, the thread joints are tightened with which type of tape?
 (a) Cello tape (b) Teflon tape
 (c) Paper tape (d) None of the above
- 562 The 'E' type vacuum cylinder of 457mm diameter is used in -
 (a) BOBR wagon (b) Box wagon
 (c) Bk. van (d) Four Wheeled wagon
- 563 For maintenance manual of BOXN wagon, What RDSO's technical pamphlet is used?
 (a) G-16 (b) G-73 (c) G-18 (d) G-70
- 564 What RDSO's technical pamphlet is used, for maintenance manual of Alliance-II coupler?
 (a) G-45H (b) G-78
 (c) G-62 (d) G-40
- 565 Instructions for inspection and maintenance of BOXN wagon fitted with CASNUB bogies and twin pipe air brake system, What RDSO's technical pamphlet is used?
 (a) G-90 (b) G-70
 (c) G-97 (d) WT- 77
- 566 Instructions for inspection and maintenance of BOBR wagon, What RDSO's technical pamphlet is used?
 (a) G-73 (b) G-78
 (c) G-97 (d) G- 16
- 567 Instructions for inspection and maintenance of CASNUB bogies, What RDSO's technical pamphlet is used?
 (a) G-97 (b) G-86
 (c) G-90 (d) G- 95

- 568 Instructions for inspection and maintenance of Air brake, What RDSO's technical pamphlet is used?
- (a) G-97 (b) G-81
(c) G-73 (d) G- 71
- 569 As per latest Railway Board guidelines, division In effective percentage of wagon is –
- (a) 3.5% (b) 1.5%
(c) 4.0% (d) 10%
- 570 'A' category depot will issue BPC of CC Rake valid up to Km –
- (a) 4500 Km (b) 5000 Km
(c) 7500 Km (d) 6500 Km
- 571 BPC of premium rake valid up todays.
- (a) 12+3 days (b) 10+3 days
(c) 15+3 days (d) 20+3 days
- 572 what time relaxation of period has been given to a loaded BOX wagon for returning for POH-
- (a) After 15 days (b) After 30 days
(c) Before 30 days (d) before 15 days
- 573 The mini rake will have composition of minimum –
- (a) 10 wagon (b) 20 wagon
(c) 25 wagon (d) 30 wagon
- 574 The free time for loading/unloading of mini rake shall be –
- (a) 6 Hours (b) 8 Hours
(c) 5 Hours (d) 2 Hours
- 575 The mini rake scheme will be applicable only to –
- (a) Covered wagon (b) Open wagon
(c) Tank wagon (d) Both of this
- 576 As per new wagon numbering scheme, first two digits will indicate-
- (a) Owning Railway (b) Type of wagon
(c) Year of manufacture (d) Cheek digit
- 577 what time relaxation of period has been given to a empty BOX wagon for returning for POH-
- (a) Before 15 days (b) After 30 days
(c) Before 30 days (d) before 15 days
- 578 What do you mean by PME?
- (a) Pre medical examination (b) Pre maintenance examination
(c) Periodical maintenance examination (d) Power mechanical equipment
- 579 What do you mean by CC rakes?
- (a) Content contact pad. (b) Close circuit rake
(c) Complete coal rake (d) Both of this
- 580 The minimum permissible buffer height above rail line to center of Head Stock under loaded condition is -
- (a) 1105 mm (b) 1145 mm
(c) 1115 mm (d) 1030 mm

- 581 Standard buffer projection from Headstock is -
 (a) 650 mm (b) 635 mm
 (c) 620 mm (d) 660 mm
- 582 Minimum Permissible buffer projection from Headstock is -
 (a) 635 mm (b) 605 mm
 (c) 590 mm (d) 584 mm
- 583 Standard diameter of knuckle pivot pin is -
 (a) 50 mm (b) 43 mm
 (c) 41.28 mm (d) 34 mm
- 584 Permissible diameter of knuckle pivot pin is -
 (a) 41 mm (b) 38.5 mm
 (c) 39.5 mm (d) 40.5 mm
- 585 Standard diameter of Clevis pin is -
 (a) 35 mm (b) 38 mm
 (c) 39 mm (d) 37 mm
- 586 Permissible diameter of Clevis pin is -
 (a) 35.8 mm (b) 38.5 mm
 (c) 36.5 mm (d) 37 mm
- 587 Standard dimension of shank wear plate for AAR coupler is -
 (a) 12 mm (b) 8 mm
 (c) 6 mm (d) 14 mm
- 588 Standard dimension of distance between the nose of Knuckle and guard arm is -
 (a) 140 mm (b) 150 mm
 (c) 127 mm (d) 12 mm
- 589 Wear limit of distance between the nose of Knuckle and guard arm is -
 (a) 140 mm (b) 155 mm
 (c) 125 mm (d) 130 mm
- 590 For goods train, max. Buffer height from rail level is -
 (a) 1105 mm (b) 1115 mm
 (c) 1015 mm (d) 1100 mm
- 591 The maximum permissible free slack in the draft gear in service is –
 (a) 35 mm (b) 30 mm
 (c) 25 mm (d) 20 mm
- 592 No. of CBC gauge are –
 (a) 5 (b) 8
 (c) 12 (d) 2
- 593 For short case, what shall be the max buffer projection from the Headstock on BG wagon?
 (a) 480 mm (b) 456 mm
 (c) 460 mm (d) 510mm
- 594 For short case, what shall be the min. buffer projection from the Headstock on BG wagon?
 (a) 420 mm (b) 440 mm
 (c) 410 mm (d) 406mm
- 595 What is the maximum Permissible wears in Draw Bars shackle pinhole?
 (a) 5.23 mm (b) 6.35 mm
 (c) 7.21 mm (d) 6.69mm

- 596 2.17 What is the maximum Permissible wear in draw Bars cotter pin hole?
 (a) 10.7 mm (b) 12.3 mm
 (c) 12.7 mm (d) 13.1 mm
- 597 What is the weakest link of the center buffer coupler?
 (a) Knuckle (b) Draft gear
 (c) Lock (d) Yoke pin
- 598 The high capacity draft gears is -
 (a) Mark -20 (b) Mark 50
 (c) CF 21 (d) DF 39
- 599 The high capacity draft gears is -
 (a) RF361 (b) RF-401
 (c) RF-600 (d) RF-21
- 600 To Adjust buffer height for 930 mm wheel diameter on BCN wagon except CASNUB22 W, packing piece used is –
 (a) 38 mm (b) 37 mm
 (c) 33 mm (d) 32 mm
- 601 What type of center buffer coupler used in Indian Railway?
 (a) APRT type (b) AARP type
 (c) AAR type (d) ARPA type
- 602 What type of head and shank are used in AAR type center buffer coupler?
 (a) E&G Type (b) E&F Type
 (c) F&E Type (d) H&F Type
- 603 The working strength of center buffer coupler is -
 (a) 100 t (b) 120 t
 (c) 140 t (d) 180 t
- 604 The diameter of knuckle pivot pin is –
 (a) 40.0 mm (b) 38.0 mm
 (c) 37.0 mm (d) 35.0 mm
- 605 Draft gear, the pack with 11 Nos of rubber pads and 10 Nos of spacer plates, when assembled in the housing with follower shall not be less than –
 (a) 638 mm (b) 632 mm
 (c) 660 mm (d) 620 mm
- 606 The conventional screw coupling has a working load of –
 (a) 2.9 t (b) 22.5 t
 (c) 24.3 t (d) 20.3 t
- 607 The working strength of center buffer coupler is –
 (a) 180 t (b) 160 t
 (c) 120 t (d) 80 t
- 608 The working strength of Alliance –II coupler is -
 (a) 100 t (b) 80 t
 (c) 70 t (d) 54 t
- 609 Which among the buffer gear assembly absorbing the buffer impact?
 (a) Buffer spring (b) Plunger
 (c) Buffer casting (d) Spindle

- 610 The tractive effort of the Loco to the individual wagons is transmitted with the help of -
 (a) CBC (b) Draw gear
 (c) Knuckle (d) Side frame
- 611 Material AAR –M- 201 & 211 Grade ‘E’ coupler is called as –
 (a) High tensile (b) Non- Tensile
 (c) Standard (d) None of the above
- 612 Clevis and Clevis pin are the part of –
 (a) Alliance- II coupler (b) Non- Transition coupler
 (c) Transition coupler (d) Draw bar
- 613 Full form of WILD
 (a) Wheel Impact Load Detector (b) Wheel Inline Load Detector
 (c) Wheel Impact Lie Detector (d) None of the above
- 614 Total no. of channels comprising in WILD
 (a) 34 (b)32
 (c) 36 (d) 38
- 615 Total no. of channels used for detection of impact load on WILD
 (a) 34 (b)32
 (c) 36 (d) 38
- 616 Total no. of channels used for activation of system on WILD
 (a) 2 (b)4
 (c) 6 (d) None
- 617 WILD can detect defect wheels of diameter ranging
 (a) 770mm-1100mm (b) 770mm-1200mm
 (c) 870mm-1100mm (d) None of the above
- 618 WILD will work effectively in the speed range of
 (a) 30kmph-160kmph (b) 15kmph-150kmph
 (c) 15kmph-120kmph (d) None of the above
- 619 In WILD, to detect impact load each channel comprises no. of reset type strain gauges fixed on rail
 (a) 2 (b)4
 (c) 6 (d) None
- 620 Maximum capability of WILD functioning of trains consist upto how many vehicles
 (a) 100 (b)58
 (c) 59 (d) 61
- 621 WILD should be installed on straight and level track of minimum length including approach to the site
 (a) 250mts (b)100mts
 (c) 100mts (d) 350mts
- 622 In WILD, there should be no fish plated joint within _____ on either side of the instrumented portion of the track
 (a) 13m (b)15m
 (c) 23m (d) 35m
- 623 The position of tank wagons on the mixed train must be attached in
 (a) Middle (b) Front of Brake Van
 (c) Next to Locomotive (d) Can't be mixed

- 624 Standard diameters of wheel on tread on BOXN Wagon is -
 (a) 1010 mm (b) 1000 mm
 (c) 950 mm (d) 906 mm
- 625 Minimum diameters of wheel on tread on BOXN Wagon during service is -
 (a) 1000 mm (b) 960 mm
 (c) 906 mm (d) 915 mm
- 626 Standard diameter of wheel on treads on BOX Wagon is –
 (a) 960 mm (b) 1000 mm
 (c) 906 mm (d) 860 mm
- 627 Minimum diameter of wheel on treads on BOXN Wagon during service is -
 (a) 906 mm (b) 960 mm
 (c) 860 mm (d) 990 mm
- 628 The axle load of BOXN, BCN, BRN, BOBR, BTPN wagon is -
 (a) 22.9 t (b) 20.32 t
 (c) 16.6 t (d) 12.2 t
- 629 The axle load of BOX, BCX, BRH wagon is -
 (a) 22.9 t (b) 20.32 t
 (c) 16.3 t (d) 12.2 t
- 630 The axle capacity of BVZC, CRT, BTAL, BTAG, BTPGL wagon is -
 (a) 22.9 t (b) 20.3 t
 (c) 16.3 t (d) 12.2 t
- 631 The axle capacity of TPR, TORS, and TCL wagon is –
 (a) 22.9 t (b) 20.3 t
 (c) 16.3 t (d) 12.2 t
- 632 What is the maximum speed of BOXNS –
 (a) 100 KMPH (b) 105 KMPH
 (c) 90 KMPH (d) 85 KMPH
- 633 The lowest wheel dia permitted by workshop for BOXN wagon is -
 (a) 919 mm (b) 906 mm
 (c) 925 mm (d) 860 mm
- 634 In E type CTRB the grease use per Axle box is -
 (a) 390 ±20 gms (b) 490±15 gms (c)
 500±35 gms (d) 550±20 gms
- 635 Axle load of BOXNS Wagon –
 (a) 20.3T (b) 23T (c)
 22.9 T (d) 25T
- 636 RDSO has stipulated three intermediate profile BOXN/BCN wagon with flange thickness as 20,22 and -
 (a) 28 mm (b) 25 mm
 (c) 24 mm (d) 23 mm
- 637 The condemning wheel diameter of BVG is -
 (a) 919 mm (b) 906 mm
 (c) 925 mm (d) 990 mm

- 638 The condemning diameter of wheel of B0I wagon is -
 (a) 990 mm (b) 906 mm
 (c) 813 mm (d) 860 mm
- 639 The new diameter of wheel for BOY wagon is -
 (a) 990 mm (b) 1090 mm
 (c) 1000 mm (d) 915 mm
- 640 The condemning diameter of BOBR wheel is -
 (a) 815 mm (b) 906 mm
 (c) 990 mm (d) 860 mm
- 641 The condemning diameter of BTPN wheel is -
 (a) 813 mm (b) 990 mm
 (c) 906 mm (d) 860 mm
- 642 The condemning diameter of BWL wheel is -
 (a) 813 mm (b) 906 mm
 (c) 915 mm (d) 860 mm
- 643 The radius at the root of the flange of new worn wheel profile is -
 (a) 14 mm (b) 16mm
 (c) 18mm (d) 120 mm
- 644 Permissible maximum flat surface on tread on other BG wagon are –
 (a) 75 mm (b) 60 mm
 (c) 75 mm (d) 70 mm
- 645 What should be permissible limit of ovality and taper on the journal?
 (a) 0.5 mm (b) 0.05 mm
 (c) 0.1 mm (d) 0.15mm
- 646 Permissible maximum flat surface on tread on IRS BG wagon is –
 (a) 75 mm (b) 50 mm
 (c) 60 mm (d) 70 mm
- 647 Type of Bogie used in BOXNS wagon?
 (a) LWLH25 (b) LHRH25
 (c) LWHS22 (d) LCCF20(C)
- 648 What is the maximum lateral play between axle box lug and horn check for UIC type trolleys?
 (a) 20 mm (b) 22 mm
 (c) 25 mm (d) 28 mm
- 649 What is the full form of LSD in BLC/BOBR wagons –
 (a) Load Securing Device (b) Load Sensing Device
 (c) Load Storage Device (d) None of the above
- 650 Maximum longitudinal clearance between axle box lug and horn check for UIC type trolleys are –
 (a) 12 mm (b) 14 mm
 (c) 16 mm (d) 18 mm
- 651 Maximum permissible wear on length of journal size of 255*127, 254*127, 229*144 are-
 (a) 6.0 mm (b) 11 mm
 (c) 5.0 mm (d) 8.0 mm

- 652 Maximum permissible wear on inner collar size of journal 255*127,254*127,229*144 are-
- | | |
|------------|------------|
| (a) 6.0 mm | (b) 11 mm |
| (c) 5.0 mm | (d) 8.0 mm |
- 653 The wheel gauge measures -
- The distance between flanges of two wheels on same axle.
 - The distance between dia and axle.
 - The distance between journal and bearing.
 - The distance between two wheel.
- 654 What is an integrated portion of the axle?
- | | |
|-------------|--------------------|
| (a) Cap | (b) Roller Bearing |
| (c) Journal | (d) None |
- 655 BPC Validity of special premium rakes in freight stock____
- 35 days
 - 20+5 days
 - 12+3 days
 - None of the above
- 656 Standard dimension 'e' in SAB on Freight stock is -
- | | |
|------------|------------|
| (a) 570 mm | (b) 575 mm |
| (c) 580 mm | (d) 565 mm |
- 657 In yard leaving, minimum Permissible dimension 'e' in SAB on Goods stock is -
- | | |
|------------|------------|
| (a) 555 mm | (b) 570 mm |
| (c) 565 mm | (d) 580 mm |
- 658 The colour coding of distributor valve of air brake goods stock is –
- | | |
|------------|-----------|
| (a) Yellow | (b) Black |
| (c) Green | (d) White |
- 659 In air brake empty stock end-to-end goods rakes, The empty rake after unloading should be offered for intensive examination before-
- | | | |
|------------------|------------------|-----|
| (a) Next station | (b) Next Loading | (c) |
| Next Unloading | (d) 36 Hours | |
- 660 In air brake end-to end rakes, After intensive examination validity of BPC remain upto the –
- | | |
|-----------------------|-------------------|
| (a) Next station | (b) Loading point |
| (c) Destination point | (d) 72 Hours |
- 661 Control rod diameter of air brake wagon is –
- | | |
|-----------|-----------|
| (a) 30 mm | (b) 32 mm |
| (c) 38 mm | (d) 40 mm |
- 662 Piston stroke of BOXN wagon in empty conditions is -
- | | |
|--------------|--------------|
| (a) 85±10 mm | (b) 70±15 mm |
| (c) 75±5 mm | (d) 80±10 mm |
- 663 Piston stroke of BOXN wagon in loaded conditions is -
- | | |
|---------------|---------------|
| (a) 140±15 mm | (b) 130±10 mm |
| (c) 120±15 mm | (d) 125±15 mm |
- 664 Piston stroke is empty conditions of BOY wagon is -
- | | |
|--------------|----------------|
| (a) 90±10 mm | (b) 90±5 mm |
| (c) 90±15 mm | (d) 90±10/5 mm |
- 665 Piston stroke is loaded conditions of BOY wagon is -
- | | |
|---------------|---------------|
| (a) 135±5 mm | (b) 135±10 mm |
| (c) 135±20 mm | (d) 120±10 mm |
- 666 In air brake stock, BPC becomes invalid, if the rake is stabled in any examination yard-

- (a) 24 hours
(c) 48 hours
- 667 Dirt collector should be cleaned within-
(a) At the time of ROH
(c) 6 month
- 668 What is the capacity of control reservoir in goods train?
(a) 4 Lit.
(c) 8 Lit.
- 669 What are the commodities carrying with BCFC wagon?
(a) Iron ore
(c) Coal
- 670 The Colour of Brake Pipe in Twin pipe brake system is -
(a) Black
(c) Green
- 671 The Colour of Feed Pipe in twin pipe wagon is -
(a) Black
(c) Green
- 672 What should be the brake pipe pressure in engine?
(a) 4.8 Kg/Cm²
(c) 5.0 Kg/ Cm²
- 673 The BP pressure in Brake Van of 56 -BOXN wagon load should not be less than –
(a) 4.5kg/ Cm²
(c) 4.8 kg/ Cm²
- 674 What should be the effective pressure in brake cylinder during full service application?
(a) 3.6 Kg/ Cm²
(c) 3.8 Kg/ Cm²
- 675 When we release manually KE type DV, the air pressure release form -
(a) CR & AR
(c) BC & CR
- 676 The diameter of branch pipe of BP to DV for wagon is –
(a) 25 mm
(c) 13 mm
- 677 If ELD handle is kept on loaded position of empty wagon, the result will be -
(a) BrakesRelease
(c) Train parting
- 678 In one BOXN wagon total no. of brake block are -
(a) 4
(c) 12
- 679 'A' dimension in Boxn wagon is -
(a) 70±20 mm
(c) 175±4 mm
- 680 For testing Air pressure locomotive the test plate hole diameter is-
(a) 8.2 mm
(c) 9.5 mm
- 681 D.V. is directly attached with-
(a) Brake cylinder
(c) AR
- 682 The diameter of air brake cylinder BOXN wagon is-
(a) 300 mm
(c) 360 mm
- (b) 36 hours
(d) 12 hours
- (b) 2 month
(d) 3 month
- (b) 6 Lit
(d) 10 Lit.
- (b) Fly ash/Cement
(d) Food grain
- (b) Yellow
(d) White
- (b) Yellow
(d) White
- (b) 4.7 Kg/ Cm²
(d) 6.0 Kg/ Cm²
- (b) 3.7 kg/ Cm²
(d) 5.8kg/ Cm²
- (b) 3.2 Kg/ Cm²
(d) 4.1 Kg/ Cm²
- (b) BC & AR
(d) AR & DV
- (b) 20 mm
(d) 22 mm
- (b) Brake binding
(d) None of the above
- (b) 8
(d) 16
- (b) 172±3 mm
(d) 175+1mm
- (b) 7.5 mm
(d) 10 mm
- (b) Brake pipe
(d) Common pipe bracket
- (b) 355 mm
(d) 315 mm

- 683 The diameter of air brake cylinder in BVZC (Wagon) is -
 (a) 300 mm (b) 295 mm
 (c) 305 mm (d) 315 mm
- 684 The capacity of Auxiliary Reservoir (wagon) in air brake except Bk.Van is-
 (a) 200 litre (b) 100 litre
 (c) 300 litre (d) 150 litre
- 685 In Single pipe system the time taken in releasing of the wagon brake is-
 (a) 60 Sec. (b) 120 Sec.
 (c) 210 Sec. (d) 90 Sec.
- 686 Distance between the control rod head and the barrel of SAB is named as -
 (a) 'E' dimensions (b) 'C' dimension
 (c) 'A' dimension (d) "d" dimension
- 687 The capacity of compressor machine for air brake testing of rake is -
 (a) 12-15 Kg/ Cm² (b) 8-10 Kg/ Cm²
 (c) 7-12 Kg/ Cm² (d) 7-8 Kg/ Cm²
- 688 In single pipe air brake system, BP is charged with -
 (a) 6 ± 0.2 Kg/Cm² (b) 5 ± 0.1 Kg/Cm²
 (c) 5.0 ± 0.2 Kg/Cm² (d) 6.0 ± 0.1 Kg/Cm²
- 689 At the originating point, minimum brake power of premium end-to-end rake is -
 (a) 85% (b) 95%
 (c) 90% (d) 98%
- 690 In twin pipe system the Auxiliary Reservoir pressure should be -
 (a) 6.0 kg/ Cm² (b) 4.8 Kg/ Cm²
 (c) 5.0 Kg/ Cm² (d) 6.5 Kg/ Cm²
- 691 If DV is having leakage -
 (a) Isolate DV
 (b) Close the isolating cock of the AR
 (c) Close the isolating cock of the BP/FP branch pipe (d) None of the above
- 692 The brake power of CC rake from nodal point is -
 (a) 90% (b) 100%
 (c) 85% (d) 75%
- 693 Brake power certified issued for such Premium end-to-end rakes will be valid for
 (a) 7±4 days (b) 10±2 days
 (c) 15 ±3 days (d) one month
- 694 The amount of air pressure in control reservoir of twin pipe system is -
 (a) 3.8 Kg/ Cm² (b) 6.0 Kg/ Cm²
 (c) 5.0 Kg/ Cm² (d) 4.8 Kg/ Cm²
- 695 What is the function of DC (Dirt collector)?
 (a) Collect dirt (b) Collect air
 (c) Clean air (d) Clean CR
- 696 How much pressure should drop in a minute after putting a test plate in locomotive?
 (a) 0.8 Kg/ Cm² (b) 1.0 Kg/ Cm²
 (c) 1.2 Kg/ Cm² (d) 1.5 Kg/ Cm²
- 697 Diameter of brake pipe and feed pipe is (In a good train)-
 (a) 28 mm (b) 34 mm
 (c) 32 mm (d) 36 mm
- 698 The three branch pipe attached to common pipe bracket, where the middle pipe lead to-
 (a) CR (b) DV
 (c) BC (d) AR

- 699 How many cut of angle cock are provided in a vehicle in twin pipe system-
 (a) Two (b) Four
 (c) Six (d) None
- 700 While isolating DV, the position of the handle in relation to rail line shall be
 (a) Horizontal (b) vertical
 (c) All the above (d) None of the above
- 701 If brake block is not releasing, pin is remove to release the brake -
 (a) Anchor link pin (b) control rod pin
 (c) Pull rod pin (d) equalizing pin
- 702 During Brake application, air flow from -
 (a) AR to BC (b) PB to BC
 (c) BP to BC (d) CR to BC
- 703 The leverage Ratio is obtained by -
 (a) Brake cylinder (b) Tie Rod
 (c) Empty Rod (d) L/E Devices
- 704 BP pressure in working train is -
 (a) 6.0 Kg/ Cm² (b) 5.5 Kg/ Cm²
 (c) 5.0 Kg/ Cm² (d) 15.2 Kg/ Cm²
- 705 The colour for brake power certificate for Premium end-to-end rake is-
 (a) Green (b) White
 (c) Pink (d) Yellow
- 706 The en-route Brake power percentage of goods train should be -
 (a) 85% (b) Not specified
 (c) 95% (d) 90%
- 707 For testing DV the time required for brake cylinder draining from 3.8 to .04 kg/cm² is
 (a) 30-40 sec (b) 40-50 sec
 (c) 45-60 sec (d) 50-75 sec
- 708 What is the piston stroke of BVZC wagons?
 (a) 50±10 mm (b) 70±10 mm
 (c) 85±10 mm (d) 90± 5 mm
- 709 What is the empty piston stroke of BOBR/BOBRN wagon is -
 (a) 70±10 mm (b) 75±10 mm
 (c) 80±10 mm (d) 100±10 mm
- 710 The diameter of piston rod of 355-mm brake cylinder is -
 (a) 40 mm (b) 38 mm
 (c) 30 mm (d) 25mm
- 711 The diameter of piston rod of 300-mm brake cylinder is –
 (a) 40 mm (b) 36 mm
 (c) 32 mm (d) 30 mm
- 712 What is the colour of BPC of air brake system?
 (a) Red (b) Pink
 (c) Green (d) Yellow
- 713 What is the colour of BPC of air brake CC rake?
 (a) Red (b) Pink
 (c) Green (d) Yellow
- 714 During brake release, air from BC goes to -
 (a) AR (b) CR
 (c) DV (d) Atmosphere
- 715 In twin pipe system, the FP is directly joined to branch pipe of -
 (a) CR (b) BC
 (c) DV (d) AR

- 716 The max. Air pressure in BC after brake release is -
 (a) 4.8 Kg/ Cm² (b) 5 Kg/ Cm²
 (c) 0.0 Kg/ Cm² (d) 2.5 Kg/ Cm²
- 717 The max. Air pressure in BP during application is -
 (a) 4.8±1 Kg/ Cm² (b) 5.0 Kg/ Cm²
 (c) 3.8 ± 0.1Kg/ Cm² (d) 3.8 Kg/ Cm²
- 718 The capacity of AR for wagon is-
 (a) 200 lit. (b) 200 lit.
 (c) 100 lit. (d) 150 lit.
- 719 In conventional air Brake system, the diameter of brake cylinder is-
 (a) 255 mm (b) 155 mm
 (c) 355 mm (d) 455 mm
- 720 As per population of air brake stock the percentage of distribution value should be kept as spares -
 (a) 10% (b) 2% (c) 5% (d) 10%
- 721 The diameter of ball in internal ball valve of cut of angle cock is -
 (a) 15 mm (b) 13 mm
 (c) 17 mm (d) 10 mm
- 722 The diameter of air brake cylinder for BVZC is -
 (a) 400 mm (b) 300 mm
 (c) 355 mm (d) 295 mm
- 723 The diameter of Std. Air brake Pressure gauge is-
 (a) 60 mm (b) 70 mm
 (c) 90 mm (d) 100 mm
- 724 What type of cut of angle cock fitted in goods stock?
 (a) Flat type (b) Ball type
 (c) Square type (d) None of the above
- 725 For testing DV the time required for filling BC in single pipe system from 0-3.6 kg/cm² is
 (a) 20-25 sec (b) 18-30 sec
 (c) 15-25 sec (d) 30-40 sec
- 726 What should be the pressure in feed pipe?
 (a) 3.8 Kg/cm² (b) 5.0 Kg/Cm²
 (c) 6.0 Kg/Cm² (d) none of the above
- 727 When DV is working condition the position of DV handle is -
 (a) Vertical (b) Horizontal
 (c) Inclined (d) Parallel
- 728 "e" dimension for SAB-600, in wagon is -
 (a) 444 – 474 mm (b) 555-575 mm
 (c) 500- 575 mm (d) 440- 575 mm
- 729 Control rod of SAB when rotated for one round, control rod head moves by a distance of -
 (a) 6.0 mm (b) 4.0 mm
 (c) 2.0 mm (d) 1.0 mm
- 730 Piston stroke of the BVZC is -
 (a) 60±10 mm (b) 70±10 mm
 (c) 65±10 mm (d) 75±10 mm
- 731 For testing DV the time required for charging CR from 0-48 kg/cm² is -
 (a) 290±20 sec (b) 150±20 sec
 (c) 185±25 sec (d) 200±20 sec

- 732 In air brake system branch pipe of DV to AR is connected via common pipe bracket is
 (a) At the bottom (b) In Middle
 (c) At Top (d) To AR
- 733 The type of joint for FP& BP is -
 (a) Grip seal (b) Flange
 (c) Thread coupling (d) knuckle
- 734 In air brake system branch pipe of DV to BC is connected via common pipe bracket is
 (a) At the bottom (b) In Middle
 (c) At the Top (d) To AR
- 735 FP charges -
 (a) AR (b) CR
 (c) DV (d) BP
- 736 Type of valve used for discharge in BCFC wagons?
 (a) Ball valve (b) Butterfly valve
 (c) Check valve (d) Relief valve
- 737 The pressure of Auxiliary reservoir makes to work -
 (a) Common pipe bracket (b) Brake cylinder
 (c) Control Reservoir (d) DV
- 738 With what pressure of AR twin pipe system works -
 (a) BP Pressure only (b) FP Pressure only
 (c) BP&FP Pressure (d) BC Pressure
- 739 Dropping BP pressure to do full service application is -
 (a) 2.0 to 3.0 kg/ cm² (b) 3.0 to 3.2 kg/ cm²
 (c) 1.3 to 1.6 kg/ cm² (d) 1.5 kg/ cm²
- 740 As per new wagon numbering scheme, 5th and 6th digits will indicate (a) Mfg Year
 (b) Owning Railway
 (c) Type of Wagon
 (d) Individual wagon number
- 741 The control reservoir is mounted on the other face of –
 (a) Distributor valve (b) Brake cylinder
 (c) Common pipe bracket (d) Auxillary reservoir
- 742 The main BP pressure in brake van of working train with 56 wagon is -
 (a) 4.8K0.1kg/cm² (b) 4.5K0.1kg/ cm²
 (c) 6.0K0.1kg/ cm² (d) None of the above\
- 743 If C3W type DV is manually released, pressure is released from -
 (a) AR (b) Control reservoir
 (c) Brake cylinder (d) All above
- 744 During twin pipe charging position, air pressure in Auxiliary Reservoir is -
 (a) 6.5kg/ cm² (b) 5.8 kg/ cm²
 (c) 6.0 kg/ cm² (d) None of the above
- 745 In air brakesystem the rate of leakage should not be more then -
 (a) 0.025 kg/ cm² /min (b) 0. 25 kg/ cm²/min
 (c) 0.0025 kg/cm²/min (d) 0.255 kg/ cm²/min
- 746 For running 1200mt long train, it is essential to have -
 (a) Single pipe graduated release air bk. System
 (b) Twin pipe graduated release air bk. System
 (c) Single & double pipe-graduated release air bk. System
 (d) None of the above
- 747 What is gap to be maintained between sensor arm of APM device and side frame in empty condition?-

- (a) 102 mm (b) 104 mm
(c) 140mm (d) 79 mm
- 748 When isolating handle of KE type DV is kept in horizontal at charging position -
(a) Piston rods of BC come out
(b) Piston rod of BC close not come out
(c) Brake applies and releases
(d) Nothing happens
- 749 The total no. of MU washer in a twin pipe wagon is –
(a) 4
(b) 4 palm & rubber sealing ring
(c) 4 coupling head no washer
(d) 6
- 750 The Type of dirt collector, used in wagon is -
(a) 2-way (b) 3-way
(c) Branch pipe of BP to DV (d) In BP
- 751 The function of Non return valve used in air brake system is -
(a) To prevent flow of BP
(b) To prevent flow of air from AR to FP
(c) To prevent flow of Air from CR to BP
(d) To prevent CR to be charged
- 752 Full of APM used in goods stock?
(a) Automatic Pressure Module (b) Automatic Pressure Modification device
(c) Anti Pilferage Machine (d) None of the above
- 753 The function of Return spring provided in air brake cylinder is -
(a) To push the spring outside the piston (b) To push the piston inside the cylinder
(c) To push the deed lever (d) To push the control rod
- 754 Pay load of BTPN tank wagon is –
(a) 58.88 tons (b) 54.28 tons
(c) 55.80 tons (d) 52.3 tons
- 755 Axle load of BTPN tank wagon is –
(a) 20.32 tons (b) 22.35 tons
(c) 21.35 tons (d) 25.22 tons
- 756 Inspection of thickness of H2SO4 barrel carried out with –
(a) D- meter (b) C- meter
(c) L- meter (d) MN – meter
- 757 Barrel length of BTPN tank wagon is –
(a) 11460 mm (b) 11550 mm
(c) 11458 mm (d) 12100 mm
- 758 Barrel diameter of BTPN tank wagon is –
(a) 2860 mm (b) 2850 mm
(c) 2840 mm (d) 2830 mm
- 759 Distance between copular to coupler of BTPN tank wagon is –
(a) 12420 mm (b) 12560 mm
(c) 12600 mm (d) 12345 mm
- 760 What type of bogies used in BVZI stock?
(a) BEML (b) ICF (c)
CASNUB (d) UIC
- 761 Thickness of rubber lining of fragile disc and safety bent is –
(a) 3 mm (b) 5 mm
(c) 4 mm (d) 6 mm

- 762 Distance between Headstock to Headstock of BTPN tank wagon is
 (a) 11499 mm (b) 11569 mm
 (c) 11491 mm (d) 11591 mm
- 763 What is the inside barrel diameter of the TPGLR tank wagon?
 (a) 2100 mm (b) 2230 mm
 (c) 2300 mm (d) 2330 mm
- 764 Length over Headstock of the TPGLR tank wagon is -
 (a) 9252 mm (b) 8382 mm
 (c) 9632 mm (d) 4326 mm
- 765 Tare weight of the TPGLR tank wagon is -
 (a) 17.82 t (b) 17.32
 (c) 18.2 t (d) 17.1 t
- 766 The mechanical code of bogie Patrol tank wagon fitted with pneumatic brake is -
 (a) BTPAN (b) BTPAM
 (c) BLPAM (d) BPTWN
- 767 The mechanical code of bogie Liquefied anhydrous ammonia gas tank wagon is -
 (a) BTAL & BTALN (b) TBS & BTSA
 (c) AST & TSMBA (d) TBT & MBTOX
- 768 The mechanical code of caustic soda tank wagon is -
 (a) CTB & CTBS (b) TCS & BTCS
 (c) THA & BTCS (d) TCS & MBTS
- 769 The mechanical code of Lubricating oil tank wagon is -
 (a) MBTOV (b) TORX
 (c) TRP (d) BTCS
- 770 The mechanical code of bitumen tank wagon type is -
 (a) TBT (b) TBAT
 (c) TRP (d) TPR
- 771 No of safety valves fitted in sulphuric acid tank is -
 (a) One (b) Two
 (c) Three (d) None of the above
- 772 No. of pressure release valve fitted in sulphuric acid tank is -
 (a) One (b) Two
 (c) Three (d) None of the above
- 773 No. of safety valve fitted in liquefied petroleum gas tank is -
 (a) One (b) Two
 (c) Three (d) None of the above
- 774 Codal life of Tank wagon is -
 (a) 35 year (b) 45 year
 (c) 50 year (d) 25 year
- 775 No of safety vent with frangible disc fitted in sulphuric acid tank wagon is -
 (a) One (b) Two
 (c) Three (d) None of the above
- 776 How many no of safety vent with frangible disc fitted in liquid chlorine tank wagon is (c)
 (a) One (b) Two
 Three (d) None of the above |
- 777 What is the hydraulic test pressure in the barrel of chlorine tanks wagon?
 (a) 43.7 kg/ Cm² (b) 47.8 kg/ Cm²
 (c) 41.23 kg/ Cm² (d) 49.93 kg/ Cm²
- 778 What is the hydraulic test pressures in a barrel of LPG tanks wagon?
 (a) 26.36kg/ Cm² (b) 23.7 kg/ Cm²
 (c) 28.33 kg/ Cm² (d) 33.23 kg/ Cm²

- 779 In the tank wagon, close the master valve after -
 (a) Un loading (b) Loading
 (c) Running (d) None of the above
- 780 In the tank wagon, close the vapour extractor cock after -
 (a) Un loading (b) Loading
 (c) Running (d) None of the above
- 781 What is the estimated weight of Phosphoric acid tank barrel?
 (a) 6.54 t (b) 7.54 t
 (c) 7.12 t (d) 8.27 t
- 782 The diameter of master valve of BTPN tank wagon is –
 (a) 90 mm (b) 100 mm
 (c) 110 mm (d) 200 mm
- 783 What is the density of LPG at 55° C?
 (a) 0.470 to 0.499 (b) 0.499 to 0.677
 (c) 0.677 to 0.899 (d) 0.899 to 0.999
- 784 Thickness of barrel plate (Cylindrical portion) of BTPGL tank barrel is-
 (a) 10 mm (b) 12 mm
 (c) 15 mm (d) 18 mm
- 785 Thickness of barrel plate (Dished ends) of BTPGL tank barrel is –
 (a) 10 mm (b) 12 mm
 (c) 15 mm (d) 17 mm
- 786 Volumetric capacity of BTALN tank barrel is –
 (a) 60.66 Cu.m (b) 66.60 Cu.m
 (c) 70.33 Cu.m (d) 71.12 Cu.m
- 787 Corrosion allowance of BTALN tank barrel is –
 (a) 1.0 mm (b) 1.5 mm
 (c) 2.0 mm (d) 2.5 mm
- 788 What type of brake system used in BTAL tank wagon?
 (a) Air brake (b) Vacuum brake
 (c) Bogie mounted brake (d) Duel brake
- 789 Volumetric capacity of Liquefied Chlorine tank barrel is –
 (a) 15.22 Cu.m (b) 12.175 Cu.m (c)
 14.22 Cu.m (d) 17.15 Cu.m
- 790 Overall width of Liquid Chlorine tank wagon is –
 (a) 2708 mm (b) 2705 mm
 (c) 2805 mm (d) 2900 mm
- 791 Working pressure of BTPN safety valve is –
 (a) 1.4 Kg/cm² (b) 4.1 Kg/cm²
 (c) 2.1 Kg/cm² (d) 1.2 Kg/cm²
- 792 Bogie centers of Phosphoric acid tank wagon are –
 (a) 8000 mm (b) 8400 mm
 (c) 8800 mm (d) 8900 mm
- 793 Hydraulic Testing of TCL tank barrel is carried out at –
 (a) 44.5 kg/ Cm² (b) 48.3 kg/ Cm²
 (c) 47.3 kg/ Cm² (d) 43.7 kg/ Cm²
- 794 What is the location of safety valve fitted in sulphuric acid tank wagon?
 (a) Inside dome (b) Outside dome
 (c) Outside on barrel (d) None of the above
- 795 Condemning limit of BLC wheel set is –
 (a) 900 mm (b) 800 mm
 (c) 670 mm (d) 780 mm

- 796 Maximum height of side frame from Rail level of container bogie type LCCF 20 (C) trolley is –
 (a) 851 mm (b) 715 mm
 (c) 932 mm (d) 786 mm
- 797 In BLC wagon, width over sole bar at centre line wagon is –
 (a) 2200 mm (b) 2100 mm
 (c) 2150 mm (d) 2180 mm
- 798 For lifting the container, force required to lift the container on automatic twist lock is-
 (a) 1050 Kg (b) 1000 Kg
 (c) 1100 Kg (d) 11590 Kg
- 799 How many load side bearers are fitted in BLC wagon?
 (a) 4 (b) 6
 (c) 5 (d) 2
- 800 What is the measurement of 'A' dimension of BFKI?
 (a) 65±5 mm (b) 67±3 mm
 (c) 60+2 mm (d) 58+3 mm
- 801 In place of empty load box what device is used in BLC wagon?
 (a) BSD (b) LSD
 (c) SDF (d) SAB
- 802 As per RDSO standard what shall be the Max. Allowed speed of BFKI?
 (a) 75 Km/h (b) 80 Km/h
 (c) 100 Km/h (d) 110Km/h
- 803 What is the material specification of BLC wagon trolley?
 (a) Cast steel (b) Low cast steel
 (c) Steel (d) Micro steel
- 804 At the time of load distribution what is the percentage of load come on centre pivot?
 (a) 10% (b) 15%
 (c) 20% (d) 25%
- 805 Length of over Slack less draw bar for B-car of BLC wagon is –
 (a) 14566 mm (b) 13156 mm
 (c) 12212 mm (d) 14763 mm
- 806 What shall be maximum length of container platform in BLC wagon?
 (a) 30 feet (b) 28 feet
 (c) 299 feet (d) 32 feet
- 807 The standard height of platform for BLC wagon from Rail level is –
 (a) 1010 mm (b) 1015 mm
 (c) 1009 mm (d) 1100 mm
- 808 The axle load capacity of BLC wagon is –
 (a) 20.10 ton. (b) 20.32 ton.
 (c) 21.10 ton. (d) 23.10 ton.
- 809 The tare weight of A-car of BLC wagon is –
 (a) 21.20 ton. (b) 19.10 ton.
 (c) 19.80 ton. (d) 20.22 ton
- 810 The tare weight of B- car of BLC wagon is –
 (a) 18.10 ton. (b) 19.10 ton.
 (c) 19.80 ton. (d) 20.20 ton
- 811 Length of over Headstock to Headstock for A-car of BLC wagon is –
 (a) 13650 mm (b) 13625 mm
 (c) 13555 mm (d) 13365 mm

- 812 In BLC wagon, height of slackness drowbar system from Rail level is –
(a) 890 mm (b) 848 mm
(c) 845 mm (d) 910 mm
- 813 Length of over coupler for A-car of BLC wagon is –
(a) 14566 mm (b) 14556 mm
(c) 14655 mm (d) 14255 mm
- 814 How many automatic twist locks used in BLC wagon?
(a) 6 (b) 8
(c) 10 (d) 12
- 815 Distance between bogie centers of BLC wagon is –
(a) 9678 mm (b) 9687 mm
(c) 9765 mm (d) 9675 mm
- 816 Minimum height of side frame bottom from Rail level of container bogie type LCCF 20 (C) trolley is –
(a) 149 mm (b) 156 mm
(c) 178 mm (d) 123 mm

SAFETY

Choose the Correct one

817. The derailment is classified as _____ class accident
- a) A
 - b) B
 - c) C
 - d) D
818. Normally the length of re-railing bridges is available in any set of HRE is ____ mts
- a) 4.2
 - b) 2.2
 - c) 2.3
 - d) 3.1
819. Normally the HRE is used to _____ Derailed rolling stock.
- a) Re-rail
 - b) Push
 - c) Pull
 - d) None.
820. The PSC sleeper designed gauge is _____ mm
- a) 1676
 - b) 1600
 - c) 1673
 - d) 1670
821. The chord length measuring versine _____ metre.
- a) 10
 - b) 20
 - c) 15
 - d) 30
822. The inverter in Plasma arc cutting machine is equipped with _____
- a) Petrol Engine
 - b) Electric Operated Motor
 - c) Kerosene engine
 - d) Pneumatic
823. The control table is a device which connects with _____ nos. of Hydraulic jacks in HRE.
- a) 2
 - b) 3
 - c) 4
 - d) 5
824. Full form of NDRF is _____
- a) National Disaster Railway force
 - b) National Disaster Response Force
 - c) National Drone Force.
 - d) National Disaster Rescue Force.

825. The maximum cant is permitted in a curve is _____mm
a) 150
b) 125
c) 175
d) 75
826. The permissible vertical wear of 52 kg rail is _____ mm
a) 6
b) 8
c) 5
d) 13
827. The GMT for 60 kg Rail is _____
a) 625
b) 500
c) 525
d) 425
828. Maximum length of re-railing bridges is available in any set of HRE is ____ mts
a) 4.2
b) 2.2
c) 3.3
d) 4.4
829. The MRV shall move within _____ min after siren sounds during night
a) 25
b) 30
c) 20
d) 15
830. Maximum length of longer Buffer casing is ____ mm
a) 584
b) 456
c) 635
d) 406
831. Testing frequency of rails for GMT 8 to 12 is _____ Months:
a) 3-month
b) 6-month
c) 9-month
d) 12-month.
832. Main Engine of 140 Ton DHBD Crane is located in _____
a) Under-carriage
b) Super-structure
c) Driver's Cabin
d) Relieving Bogie.
833. The permissible vertical wear of 60 kg rail is _____ mm
a) 6
b) 8
c) 5
d) 13

834. The SPMRV shall move within _____ min after siren sounds during Day
- a) 25
 - b) 30
 - c) 20
 - d) 15
835. The height of 52 kg rail section is
- a) 143 mm
 - b) 156 mm
 - c) 172 mm
 - d) 129 mm
836. Which type of fire extinguisher must not be used in case of electrical base fire?
- a) Halon Extinguisher
 - b) Carbon chloride extinguisher
 - c) Foam extinguisher
 - d) Dry Powder extinguisher
837. Bleeding can be controlled by all method except _____
- a) Compression
 - b) Pour Hot water
 - c) Tourniquet
 - d) Lift the limb above the head
838. The type of HRD is used for demonstration is _____
- a) LUCAS
 - b) Holmetro
 - c) Weber
 - d) Libervit
839. Site sketch is prepared by _____
- a) Traffic Inspector
 - b) SSE P-Way
 - c) SSE C&W
 - d) CLI
840. The lighting arrangement is done at accident site by
- a) Electrical –TRD
 - b) Electrical General
 - c) Electrical TRO
 - d) Electrical-AC
841. The length of re railing bridge is _____ meter
- a) 3.4
 - b) 1.5
 - c) 2.5
 - d) 4.4
842. _____ is the site in charge till the arrival of an officer at accident site.
- a) AC Mechanic
 - b) Loco Pilot
 - c) TTE
 - d) Train Manager

843. Earth moving equipment's at accident site are arranged by _____ Dept
- a) Engg.
 - b) Mech
 - c) Commercial
 - d) Electrical Traction
844. The loading capacity of Aux. Hoist in 140 Ton DHBD Crane is _____
- a) 140 Ton
 - b) 5 Ton
 - c) 25 Ton
 - d) 22.9 Ton
845. The min length of re railing bridge is _____ meter
- a) 2.2
 - b) 1.5
 - c) 1.1
 - d) 4.4
846. The wheel Gauge or the wheel distance is measured between _____ of the two wheels on the same axle.
- a) Outer Rim
 - b) Flange
 - c) Inner Rims
 - d) None of these
847. The Buffer Height is measured from _____ to the Centre line of the buffer casing.
- a) Rail Table
 - b) Rail Web
 - c) Rail Foot
 - d) Rail Head
848. ABC fire Extinguisher can be used for _____ class of fire
- a) Class B & Class E fire
 - b) Class B & Class A fire
 - c) Class A, Class B & Class C fire
 - d) Class B & Class D fire
849. The HRE Power pack tank is filled with _____ liters of Hydraulic oil.
- a) 25
 - b) 34
 - c) 45
 - d) 54
850. The maximum degree of curve adopted in IR is _____
- a) 9
 - b) 10
 - c) 8
 - d) 4
851. ABC fire Extinguisher should not be used for _____ type of material fire
- a) Wood fire
 - b) Energized electrical fire
 - c) Petroleum fire
 - d) Aluminum fire

852. The full form of HRE is _____
a) Heavy Railing Equipment
b) Hydraulic Rescue Engine
c) Hydraulic Re railing Equipment
d) Hydraulic Recovery Equipment
853. The full form of SPART _____
a) Self Propelled Accident Relief Train
b) Special Purpose Accident Relief Train
c) Self Propelled Accident Recovery Train
d) Special Passenger Accident Relief Train
854. The High-level committee has given _____ no of recommendations.
a) 99
b) 98
c) 100
d) 111
855. The full form of HLC _____
a) High Level Committee
b) High Level Conference
c) High level commission
d) High level corporation
856. The disaster management act come in force during _____ year.
a) 2003
b) 2005
c) 2002
d) 2008
857. In HRD _____ & _____ devices are used for connecting cutting tools
a) Hydraulic Pump & Power Unit
b) Hydraulic pump & Ram Jack
c) Hydraulic pump & Hose
d) Hydraulic pump & Air bottle
858. In fire fighting removal of fuel is called as _____.
a) Igniting
b) Cooling
c) Starvation
d) Smoothening
859. In HRD _____ device is used for cutting of window rods.
a) Cutter
b) Ram Jack
c) Gas Cutting
d) Spreader
860. CPR stands for _____
a) Cardiopulmonary Reuse
b) Cardiopulmonary Resuscitation
c) Cardiopulmonary Rescue

d) Cardiopulmonary Resource

861. _____ is used for moving the lifted load in HRE

- a) Displacing Jack
- b) Hydraulic jack
- c) Lifting jack
- d) Hydraulic Pump

862. In HRD _____ device is used for expanding of gap

- a) Spreader
- b) Cutter
- c) Ram Jack
- d) High Pressure air bag

863. SLI stands for _____

- a) Safe Load Indicator
- b) Self load indicator
- c) Service load indication
- d) System load indication

864. In fire fighting Cooling means _____

- a) Limiting smoke
- b) Limiting heat
- c) Limiting temperature
- d) Limiting oxygen

865. First aid for fractures is _____

- a) Splint
- b) Apply Ice Bag
- c) Stop Bleeding
- d) CPR

866. The height of 60 Kg rail is _____ mm

- a) 176mm
- b) 190mm
- c) 180mm
- d) 160mm

867. The Cowan Sheldon 140TDHBD Cranes are maintained by the work shop of

- a) Jamalpur, ER
- b) Parel, CR
- c) Kharagpur, SER
- d) Mysore, SWR

868. The target time for moving MRV from the nominated station in double exit
_____ in mins.

- a) 30
- b) 45
- c) 15
- d) 20

869. The Purpose of Match Truck in 140T crane is

- a) Jib resting
- b) C/W Resting

- c) Ropes resting.
 - d) All the above.
870. The main function of SLI in 140T Crane is
- a) Slewing purpose
 - b) Derricking purpose
 - c) Winching purpose.
 - d) Safety against over loads/angles/less counters weights.
871. Joint Readings on Track are taken in rear of POM up to
- a) 45m
 - b) 90m
 - c) 300m
 - d) 1000m
872. A-Class ART consists of _____no. of coaches and wagons with Crane.
- a) 3C +2W
 - b) 4C+3W
 - c) 5C+2W
 - d) 5C+3W
873. The full form of HRD is
- a) Hydraulic Re-Railing Device
 - b) Hydraulic Rescue Device
 - c) Hydraulic Road Vehicle Device
 - d) Hydraulic Rod cutter Device.
874. The HRD is considered as
- a) Cold Cutting equipment
 - b) Hot Cutting equipment
 - c) Plasma Cutting equipment
 - d) Electric cutting Equipment.
875. Distance bar in HRE Tool list is used for
- a) Connecting two vertical jacks
 - b) For simultaneous movement between two traversing trolley of jacks laterally
 - c) Measuring the distance of wheels
 - d) Measuring the distance of rails.
876. The full form of HREis
- a) Hydraulic Re-Railing Equipment
 - b) Hydraulic Rescue Equipment
 - c) Hydraulic Road Vehicle Equipment
 - d) Hydraulic Rod cutter Equipment
877. One of the Equipment used in ART is Trifor which is used for
- a) Pulling the vehicles
 - b) Pushing the vehicles
 - c) Pulling and pushing
 - d) Pulling and lifting purpose.
878. The standard prime mover in HRE of IR is
- a) Petrol or Diesel Engine
 - b) Electric Operated Motor

- c) Hydraulic
 - d) Pneumatic
879. The control table is a device which connects with _ nos. of Hydraulic jacks in HRE.
- a) 2
 - b) 3
 - c) 4
 - d) 5
880. Normally the HRE is used to ____ /Derailed rolling stock.
- a) Re-rail
 - b) Push
 - c) Pull
 - d) None
881. The High Pressure hoses are tested at a pressure of
- a) 1.5 times
 - b) 2 times
 - c) 3 times
 - d) 2.5times
882. Normally the nos. of re-railing bridges are available in any set of HRE are
- a) 4
 - b) 4.4
 - c) 2.2
 - d) 3
883. When was High level committee recommendations came into existence
- a) April-2003
 - b) 2005
 - c) 2007
 - d) 2018
884. Where is the Head Quarters of NDMA
- a) New Delhi
 - b) Bombay
 - c) Chennai
 - d) Kolkata.
885. What is the full form of NDMA
- a) National Disaster Management Authority
 - b) National Disaster Management Association
 - c) National Disaster Management Application
 - d) None of these
886. How many NDRFbattalions are functioning in India?
- a) 10
 - b) 11
 - c) 12
 - d) 15
887. Indian Railway Disaster Management Plans at zonal railways are approved by
- a) NDMA
 - b) SDMA

- c) RB
- d) PCSO of zones.

888. Who is the Chairman of NDMA?

- a) PM
- b) President
- c) Vice President
- d) Head of Armed forces.

889. As per the HLC recommendation no., IRIDM/SBC formed

- a) 85
- b) 95
- c) 100
- d) 111

890. Who is the Chairman of SDMA?

- a) Chief Minister of respective state
- b) District Collectors
- c) Police Commissioner
- d) None

891. How many Teams are there of NDRF in India

- a) 22
- b) 25
- c) 23
- d) 23

892. As per statistical reasons accidents are classified in alphabets

- a) A to R(16classes)
- b) A to J(10classes)
- c) A to M(13classes)
- d) A to D(4classes)

893. What is the Standard Gauge Length of Broad Gauge track

- a) 1600mm
- b) 1676mm
- c) 1696mm
- d) 1000mm
- d) 13meters

894. Versine is measured when the accident takes place in

- a) Curves
- b) Points
- c) Curves and Points& Crossings
- d) Crossings

895. In the case of Accident Joint Track Readings are taken from POM or POD

- a) Ahead: 45meters& Rear: 90meters.
- b) Ahead: 50meters& Rear: 100meters.
- c) Ahead: 40meters& Rear: 90meters.
- d) Ahead: 30meters& Rear: 80meters.

896. When a Wagon is derailed in main line, Joint readings are signed by
a) JE(C&W)/SSE(C&W), JE(P.Way)/SSE(P Way) and TI(Track Inspector)
b) JE(C&W)/SSE(C&W), JE(P.Way)/SSE(P Way) and TI(Ticket Inspector)
c) JE(C&W)/SSE(C&W), JE(P.Way)/SSE(P Way) and TI(Traffic Inspector)
d) JE(C&W)/SSE(C&W), JE(P.Way)/SSE(P Way) and TI(Train Inspector)

Official Language (Rajbhasha)

(Question Bank on Official Language Policy of the union for Departmental Examination)

897. What is the official language of the India?
a) Telugu b) Hindi c) Marathi d) Hindi in Devnagari Script
- 898 . In which article of the constitution of India Hindi has been declared as Official Language?
a) Article 120 b) Article 210 c) Article 343 d) 3Article 351
899. As per the provisions of the Constitution of India Official Language Hindi shall be written in which script?
a) Brahmi Script b) Sanskrit Script c) Roman Script d) Devnagari Script
- 900 . Which forms of the numerals should be used in official purposes of the Union of India?
a) International form of Indian Numerals b) Devnagari numerals
c) Roman numerals d) None of the above
901. Hindi Day is celebrated in India on every year.
a) 10th January b) 26th January c) 15th August d) 14th September
- 902 . Why Hindi Day is celebrated in India on 14th September?
a) Constituent Assembly of India had adopted Hindi as Official Language of India on that day.
b) Ministry of Home Affairs, Department of Official Language had ordered to do so.
c) Railway Board had ordered to do so d) None of the above
903. In which article of the Constitution of India envisages setting up of Official Language Commissions?
a) Article 343 b) Article 344 c) Article 345 d) Article 346
- 904 . Which article of the Constitution of India empowers the Indian states to choose their own Official Language?
a) Article 343 b) Article 351 c) Article 210 d) Article 345
905. If a state does not choose Official Language for itself from the languages spoken in the state what language will be its Official Language?
a) All the languages spoken in the state b) Hindi Language
c) English Language d) None of the above

906. The authoritative texts of all Bills to be introduced or amendments thereto to be moved in either House of Parliament or in the House or either House of the Legislature of a State shall be in which language?
a) In Hindi b) In English
c) In any of the Languages mentioned in 8th Schedule of the Constitution of India
d) None of the above
907. As per the prevailing provisions of the Constitution of India all proceedings in the Supreme Court and in every High Court shall be in..... language.
a) In Hindi b) In English
c) In any of the Languages mentioned in 8th Schedule of the Constitution of India
d) None of the above
908. In which article of the constitution of India the duty to promote the spread of the Hindi language assigned to the Union of India?
a) Article 120 b) Article 210 c) Article 343 d) Article 351
909. Which of the following languages not included in the VIII Schedule of the Constitution of India?
a) Chhattisgarhi b) Maithili c) Dogri d) Bodo
910. As per the provisions of the Constitution of India vocabulary should be drawn primarily from which language wherever necessary or desirable for enrichment of Hindi Language to serve as medium of expression for all the elements of the composite culture of India?
a) English Language b) Hindustani Language c) Lingua Francad) Sanskrit Language
911. In which article of the Constitution of India the provision contains that if a Member of Parliament does not adequately express himself in Hindi or in English he/she would be permitted by the Chairman of the Council of the States or speaker of the House of the People or person acting as such as the case may be, to address the house in his mother tongue?
a) Article 120 b) Article 210 c) Article 343 d) Article 351
912. In which article of the Constitution of India the provision regarding the language to be used in parliament has been contained.
a) Article 120 b) Article 210 c) Article 343 d) Article 351
913. In which article of the Constitution of India the provision regarding the language to be used in state legislatures has been contained.
a) Article 120 b) Article 210 c) Article 343 d) Article 351
914. In which article of the Constitution of India a provision contains that if a Member does not adequately express himself in Hindi or in English he/she would be permitted by the

Chairman of the Council of the States or speaker of the House of the People or person acting as such as the case may be, to address the house in his mother tongue?

a) Article 120 b) Article 210 c) Article 343 d) Article 351

915. In clause-3 of which article of the Constitution of India empowers the parliament to make rule regarding continuation of the use of English language even after the expiry of 15 years of the commencement of the constitution.

a) Article 343 b) Article 344 c) Article 348 d) Article 351

916. In which article of the Constitution of India a provision to constitute Official Language Commission at the expiration of five years from the commencement of the Constitution and thereafter at the expiration of ten years from such commencement has been envisaged.

a) Article 120 b) Article 210 c) Article 344 d) Article 348

917. The 1st Official Language Commission has been constituted on 7th June 1955 as per the provisions of the Constitution of India. Who was the Chairman of this commission?

a) K. M. Munshi b) Gopal Swami Ayengar c) B. G. Kher d) Govind Vallabh Pant

918. Who was the Chairman of the 2nd Official Language Commission?

a) Lal Bahadur Shastri b) Gulzarilal Nanda c) Smt. Indira Gandhi d) None of the above

919. What is the Official Language of Union of India

a) Hindi in Devnagari Script b) Hindi c) Sanskrit d) None of these

920. On which date part XVII of the Constitution was passed in Parliament

a) 12.09.1949 b) 14.09.1949 c) 15.09.1949 d) 21.09.1949

921. When was official language act 1963 passed

a) 10.05.1963 b) 10.05.1964 c) 10.05.1965 d) 10.05.1966

922. When was official language Act 1963 amended

a) 1963 b) 1965 c) 1967 d) 1969

923. Union of India is classified into ----- Regions under Official Language Rules

a) A & B Regions b) C & D Regions c) A, B & C Regions d) None of these

924. When is "Hindi Day" celebrated every year

a) November 14 b) September 14 c) November 21 d) September 21

925. According to official language rules, under which region Andaman and Nicobar islands come?

a) Region 'A' b) Region 'B' c) Region 'C' d) None of these

926. According to official language rules, which is the only Union territory classified under region 'B'?
- a) Union territory of Chandigarh b) Union territory of Daman & Diu
c) Pondichery d) None of these
927. What is the official language of Arunachal Pradesh?
- a) Mizo b) English c) Hindi d) None of these
928. What is the act passed to give legal form to the assurances given to Non-Hindi speaking people?
- a) Official Language Act (amended)-1967 b) Official Language Act (amended)-1969
c) Official Language Act (amended)-1965 d) None of these
929. From when did the section 3(3) of official languages act take effect?
- a) 26.01.1961 b) 26.01.1963 c) 26.01.1965 d) 26.01.1967
930. In which part of the constitution are the articles 343-351 that give information about Official Language available?
- a) Part XV b) Part XVI c) Part XVII d) Part XVIII
931. Maximum how many Artists can participate in Hindi drama competitions?
- a) Maximum 10 artists b) Maximum 15 artists c) Maximum 18 artists
d) Maximum 21 artists
932. How many inspections in a month are mandatory for Rajbhasha Adhikari of railways?
- a) One inspection per month b) Two inspections per month
c) Three inspections per month d) Four inspection per month
933. At present how many languages are enlisted in the Eighth schedule of the constitution?
- a) 20 b) 21 c) 22 d) 23
934. In which article is the provision regarding OL policy available in part V of the constitution?
- a) Article 120 b) Article 343 c) Article 344 d) None of these
935. Name the article in which the provision of the Eighth schedule of the Constitution is available?
- a) Article 120 b) Article 343 c) Article 344 d) Article 344 (1) & 351
936. When was the Official Language Rules passed?
- a) 1974 b) 1975 c) 1976 d) None of these
937. How many articles are there in part XVII of the Constitution?
- a) 7 b) 8 c) 9 d) 10
938. In compliance of article 344 when was the official language commission formed in the year?
- a) 1955 b) 1956 c) 1957 d) 1958

939. Who was the first chairman of the Official Language Commission?
a) B.G.Kher b) G.B.Pant c) LalBahadurShastri d) None of these
940. Who was the first chairman of the committee which was formed on the recommendation of the official language commission
a) B.G.Kher b) G.B.Pant c) LalBahadurShastri d) None of these
941. As per the constitution, who is translating the statutory Rules, Regulations and Orders?
a) Law ministry b) Home ministry c) HRD ministry d) None of these
942. Which Official Language Rule of 1976, mentions about the working knowledge of the Officer/ Employee?
a) Rule-8 b) Rule-9 c) Rule-10 d) None of these
943. Which article comes under part VI?
a) Article 120 b) Article 343 c) Article 344 d) Article 210
944. Who chaired the first railway Hindi Salahkar Samiti constituted in 1973?
a) Sri Lalit Narayan Mishra b) Sri B.G.Kher c) Sri G.B.Pant d) Sri LalBahadurShastri
945. Who was the chairman of the parliamentary committee on official language constituted in the year 1976?
a) OM Mehta b) Sri B.G.Kher c) Sri G.B.Pant d) Sri LalBahadurShastri
946. In which year the post of Hindi Asst. was created in General Branch of Railway Board in compliance of president's order 1952?
a) 1952 b) 1953 c) 1954 d) 1955
947. In which year the Hindi translation of Railway Budget was prepared and who was the Railway Minister
a) 1956- LalBahadurShastri b) 1956- G.B.Pant
c) 1957- B.G.Kher d) 1957- L.M.Gupta
948. In which year Hindi (Parliament) section was established in Railway Board
a) 1956 b) 1958 c) 1960 d) None of these
949. The state of Jarkhand comes under which Region?
a) Region 'A' b) Region 'B' c) Region 'C' d) None of these
950. The state of Jarkhand comes under which Region?
a) Region 'A' b) Region 'B' c) Region 'C' d) None of these
951. Which sub-committee of the parliamentary committee on official language inspects Railway Ministry
a) First sub-committee b) Second sub-committee
c) Third sub-committee d) Fourth sub-committee

952. What is the scheme implemented by Railway Board for doing work in Hindi
 a) Rajbhasha individual cash award scheme b) Rajbhashagroup cash award scheme
 c) RajbhashaSamman award scheme d) None of these
953. What is the expansion for OLIC used by department of official language?
 a) Official Language Implementation committee
 b) Oriental Language Implementation committee
 c) Other Languages Improvement committee
 d) None of these
954. How many Hindi courses are prescribed for central government employees?
 a)One b)Two c)Three d)Four
955. Which is the elementary Hindi course prescribed for central government employees?
 a) Praveen b) Pragya c) Parangat d) Prabodh
956. Who is the chairman of central Hindi Committee?
 a) Prime Minister b) Home Minister c) President of India d) Vice President
957. Which committee reviews the progress made in the propagation of Hindi in particular ministry/ department?
 a) Hindi SalahkarSamiti b)Parliamentary Committee
 c) Official Language Committee d) None of these
958. When was the present parliamentary committee on official language constituted?
 a) September 1975 b) January 1975 c) September 1976 d) January 1976
959. How many members are there in the committee of parliamentary on official Language?
 a)21 b)25 c)27 d)30
 [Answer: d]
960. How many LokSabha members will be there in the committee of parliamentary on official language?
 a)21 b)25 c)27 d) 20
961. At present, how many sub-committees are there in the parliamentary committee on official language
 a) 2 sub-committees b) 3 sub-committees c) 4 sub-committees a) 5 sub-committees
962. What is the main duty of the committee of parliament on official language?
 a) To review the progressive use of Hindi
 b) To review the expenditure incurred for implementation of Hindi
 c) To review the regions based on use of Hindi
 d) None of these

963. Who is the Chairman of the Town Official Language Implementation Committee constituted in major cities?
- Senior most central government officer of the city
 - Senior most state government officer of the city
 - Senior most railway officer of the city
 - None of these
964. What is the periodicity of the meetings of Official Language Implementation Committee?
- once in 3 months
 - once in 6 months
 - once in 9 months
 - once in 12 months
965. What is the periodicity meeting of Town Officials Language Implementation Committee?
- once in 3 months
 - once in 6 months
 - once in 9 months
 - once in 12 months
966. Who prepares the annual programme on Official Language?
- Ministry of Home Affairs
 - Ministry of LAW
 - Ministry of HRD
 - None of these
967. What are the Hindi courses prescribed for central government employees?
- Prabodh & Praveen
 - Praveen & Pragya
 - Praveen, Pragya & Parangat
 - Prabodh, Praveen, Pragya and Parangat
968. Which is the final Hindi course prescribed for Clerical Cadre Employees Of Central Government?
- Praveen
 - Pragya
 - Parangat
 - Prabodh
969. What are the training facilities available to a central government employee to get trained in the Hindi Courses?
- Regular
 - Intensive
 - Correspondence and Private
 - All of these
970. How many times the regular Hindi exams are conducted in a year?
- One Time
 - Two Times
 - Three Times
 - Four Times
971. In which months regular Hindi examinations are conducted
- April and October
 - May and November
 - June and December
 - None of these
972. Who are eligible to be trained in the Hindi Courses?
- All the central government employees
 - All the central government employees in class III
 - All the central government employees in class III and above officials
 - None of these
973. Name the newly introduced course in Hindi by Hindi teaching scheme?
- Praveen
 - Pragya
 - Parangat
 - Prabodh
974. Which course a category 'C' employee required to be trained
- Praveen
 - Pragya
 - Parangat
 - Prabodh

975. From which course a category 'D' employee required to be trained
 a) Praveen b) Pragya c) Parangat d) Prabodh
976. In which order name, designation and sign boards are to be exhibited?
 a) 1. Regional Language 2. Hindi and 3. English
 b) 1. Hindi 2.English and 3. Regional Language
 c) 1. English 2.Hindi and 3. Regional Language
 d) None of these
977. In which order the forms used by public are to be prepared
 a) 1. Regional Language 2. Hindi and 3. English
 b) 1. Hindi 2.English and 3. Regional Language
 c) 1. English 2.Hindi and 3. Regional Language
 d) None of these
978. In which order rubber stamps are to be prepared
 a)Hindi- English bi-lingual form-one line Hindi and one line English
 b)English- Hindi bi-lingual form-one line English and one line Hindi
 c) both a and b d) None of these
979. What is the foreign language included in the Eighth schedule
 a) English b) Bhutanese c) Nepali d)Russian
980. Who is the chairman of the Divisional Official Language Implementation Committee?
 a) Sr.DPO b) ADRM c) DRM d) Senior RajbhashaAdhikari
981. ----- ministry/ office is conducting the exams under Hindi Teaching Scheme for the central government employees
 a)Law ministry b) Home ministry c) HRD ministry d) None of these
982. In which order are the station announcements made?
 a) Tri lingual (Hindi, Regionaland English)
 b) Tri lingual (English ,Regional and Hindi)
 c) Tri lingual (Regional, Hindi and English)
 d) None of these
983. In which proportion the roof board has to be displayed
 a) In equal proportion- Tri lingual
 b) In equal proportion- bi lingual
 c) 1:2:3 proportion- Tri lingual
 d) None of these
984. How the panel board of a train has to be displayed
 a) Tri lingual (Hindi, Regionaland English)
 b) Tri lingual (English ,Regional and Hindi)
 c) Tri lingual (Regional, Hindi and English)
 d) None of these

ANSWERS

1	a	46	d	91	d	136	c	181	a	226	c	271	c	316	a	361	b	406	d	451	d
2	c	47	b	92	b	137	b	182	c	227	a	272	b	317	c	362	d	407	c	452	d
3	a	48	a	93	a	138	a	183	a	228	b	273	b	318	b	363	b	408	c	453	c
4	b	49	b	94	b	139	a	184	d	229	d	274	c	319	a	364	a	409	b	454	c
5	c	50	b	95	a	140	d	185	a	230	c	275	b	320	a	365	b	410	b	455	d
6	d	51	d	96	a	141	c	186	b	231	a	276	a	321	b	366	c	411	d	456	b
7	d	52	b	97	c	142	b	187	b	232	d	277	b	322	c	367	c	412	c	457	b
8	c	53	b	98	c	143	b	188	c	233	c	278	a	323	d	368	c	413	b	458	b
9	b	54	c	99	c	144	d	189	b	234	b	279	b	324	a	369	c	414	b	459	c
10	a	55	a	100	b	145	b	190	a	235	c	280	b	325	d	370	c	415	d	460	b
11	d	56	d	101	c	146	c	191	c	236	b	281	b	326	d	371	a	416	d	461	a
12	c	57	c	102	a	147	a	192	a	237	a	282	b	327	c	372	c	417	d	462	c
13	c	58	c	103	a	148	a	193	c	238	b	283	a	328	a	373	c	418	c	463	c
14	b	59	a	104	d	149	a	194	b	239	b	284	b	329	b	374	a	419	a	464	a
15	c	60	c	105	a	150	b	195	b	240	c	285	b	330	a	375	c	420	d	465	b
16	b	61	b	106	d	151	a	196	c	241	b	286	b	331	b	376	c	421	b	466	b
17	a	62	c	107	a	152	d	197	b	242	b	287	a	332	c	377	c	422	c	467	a
18	a	63	c	108	b	153	b	198	c	243	a	288	b	333	c	378	d	423	b	468	b
19	c	64	c	109	c	154	a	199	b	244	b	289	a	334	b	379	a	424	a	469	b
20	a	65	d	110	a	155	c	200	c	245	a	290	b	335	b	380	c	425	c	470	d
21	c	66	b	111	c	156	b	201	c	246	c	291	d	336	c	381	c	426	a	471	b
22	a	67	b	112	d	157	c	202	b	247	c	292	d	337	a	382	c	427	d	472	c
23	c	68	c	113	d	158	c	203	c	248	b	293	b	338	c	383	c	428	c	473	b
24	b	69	d	114	a	159	c	204	c	249	a	294	b	339	b	384	c	429	c	474	d
25	b	70	a	115	a	160	c	205	c	250	c	295	c	340	a	385	d	430	c	475	c
26	c	71	d	116	a	161	b	206	c	251	c	296	a	341	c	386	d	431	a	476	c
27	c	72	d	117	b	162	d	207	b	252	b	297	c	342	a	387	c	432	b	477	c
28	b	73	d	118	b	163	b	208	c	253	d	298	d	343	c	388	c	433	b	478	c
29	c	74	d	119	b	164	c	209	c	254	a	299	b	344	b	389	c	434	d	479	b
30	d	75	a	120	b	165	a	210	c	255	c	300	c	345	b	390	c	435	d	480	b
31	b	76	a	121	a	166	b	211	c	256	a	301	b	346	c	391	c	436	a	481	b
32	d	77	c	122	c	167	b	212	b	257	c	302	a	347	c	392	d	437	d	482	c
33	b	78	d	123	b	168	b	213	c	258	a	303	d	348	c	393	c	438	c	483	b
34	c	79	a	124	b	169	b	214	c	259	c	304	d	349	a	394	b	439	a	484	b
35	a	80	c	125	d	170	a	215	d	260	c	305	b	350	b	395	d	440	c	485	c
36	c	81	d	126	a	171	d	216	a	261	a	306	d	351	c	396	c	441	c	486	b
37	c	82	b	127	b	172	a	217	c	262	d	307	a	352	b	397	d	442	d	487	a
38	a	83	c	128	c	173	a	218	b	263	b	308	a	353	b	398	c	443	c	488	a
39	a	84	c	129	c	174	d	219	c	264	d	309	d	354	b	399	b	444	b	489	a
40	c	85	b	130	c	175	a	220	c	265	c	310	a	355	a	400	b	445	b	490	a
41	c	86	a	131	b	176	b	221	a	266	d	311	c	356	c	401	c	446	b	491	c
42	d	87	a	132	c	177	a	222	c	267	c	312	d	357	b	402	c	447	b	492	b
43	c	88	b	133	c	178	b	223	a	268	a	313	c	358	c	403	b	448	d	493	c
44	d	89	a	134	a	179	a	224	b	269	c	314	b	359	b	404	a	449	d	494	b
45	c	90	a	135	a	180	b	225	b	270	c	315	d	360	a	405	b	450	d	495	b

496	c	541	d	586	c	631	c	676	b	721	d	766	a	811	b	856	b	901	d	946	a
497	b	542	a	587	c	632	a	677	b	722	b	767	a	812	c	857	a	902	a	947	a
498	a	543	b	588	c	633	a	678	b	723	d	768	b	813	a	858	c	903	b	948	c
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500	a	545	b	590	a	635	d	680	b	725	b	770	a	815	d	860	b	905	c	950	c
501	a	546	b	591	c	636	b	681	d	726	c	771	d	816	a	861	a	906	b	951	d
502	b	547	a	592	b	637	d	682	b	727	a	772	a	817	d	862	a	907	b	952	a
503	b	548	c	593	b	638	b	683	c	728	b	773	d	818	b	863	a	908	d	953	a
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505	b	550	a	595	b	640	b	685	a	730	b	775	a	820	a	865	a	910	d	955	d
506	a	551	c	596	c	641	c	686	c	731	c	776	d	821	b	866	a	911	a	956	a
507	c	552	b	597	a	642	d	687	b	732	b	777	a	822	b	867	b	912	a	957	a
508	c	553	c	598	b	643	a	688	b	733	b	778	b	823	a	868	a	913	b	958	d
509	c	554	c	599	a	644	b	689	b	734	a	779	a	824	b	869	a	914	b	959	d
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511	a	556	c	601	c	646	a	691	a	736	b	781	a	826	b	871	b	916	c	961	b
512	b	557	a	602	b	647	a	692	b	737	b	782	b	827	c	872	d	917	c	962	a
513	b	558	c	603	b	648	c	693	b	738	b	783	a	828	d	873	b	918	d	963	a
514	a	559	a	604	a	649	b	694	c	739	c	784	c	829	b	874	a	919	a	964	a
515	b	560	b	605	b	650	d	695	c	740	a	785	d	830	c	875	b	920	b	965	b
516	a	561	b	606	b	651	b	696	b	741	c	786	a	831	c	876	a	921	a	966	a
517	c	562	d	607	c	652	a	697	c	742	a	787	b	832	d	877	d	922	c	967	d
518	b	563	d	608	d	653	a	698	d	743	d	788	b	833	d	878	a	923	c	968	c
519	c	564	c	609	a	654	c	699	b	744	c	789	b	834	b	879	c	924	b	969	d
520	b	565	b	610	b	655	b	700	a	745	b	790	b	835	b	880	a	925	a	970	b
521	b	566	a	611	a	656	b	701	c	746	b	791	a	836	c	881	a	926	a	971	b
522	c	567	d	612	c	657	a	702	a	747	b	792	c	837	b	882	a	927	b	972	c
523	b	568	a	613	a	658	a	703	d	748	c	793	d	838	a	883	a	928	a	973	c
524	a	569	b	614	c	659	b	704	c	749	a	794	d	839	b	884	a	929	c	974	b
525	c	570	c	615	a	660	c	705	a	750	b	795	d	840	b	885	a	930	c	975	d
526	b	571	a	616	a	661	b	706	d	751	b	796	d	841	d	886	c	931	b	976	a
527	d	572	b	617	a	662	a	707	c	752	b	797	b	842	d	887	d	932	a	977	a
528	b	573	b	618	a	663	b	708	b	753	b	798	b	843	a	888	a	933	c	978	a
529	d	574	c	619	b	664	a	709	d	754	b	799	a	844	c	889	c	934	a	979	c
530	c	575	a	620	a	665	b	710	a	755	a	800	c	845	a	890	a	935	d	980	c
531	a	576	b	621	a	666	a	711	d	756	a	801	b	846	c	891	c	936	c	981	b
532	a	577	c	622	a	667	a	712	c	757	c	802	c	847	d	892	a	937	c	982	c
533	b	578	c	623	a	668	b	713	d	758	b	803	a	848	c	893	b	938	a	983	a
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539	b	584	c	629	b	674	c	719	c	764	b	809	b	854	d	899	d	944	a		
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