

**Question Bank**  
**for**  
**Lateral Induction of ALP**

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## General Arithmetic

1. The sum of given numbers 2,3,4,5 is (c)
  - a. 11
  - b. 21
  - c. 14**
  - d. None of the above
  
2. The sum of given numbers 9, 7, 6,1 is (b)
  - a. 13
  - b. 23**
  - c. 14
  - d. None of the above
  
3. What is the value of the given numbers when added: 12, 12, 13, 10 (b)
  - a. 45
  - b. 47**
  - c. 12
  - d. 25
  
4. Find out the value of the given numbers :
  - i)  $7 \times 7 = \underline{\hspace{2cm}}$  a. 39 b. 27 **c. 49** d. 37 (c)
  - ii)  $12 + 12 - 10 = \underline{\hspace{2cm}}$  **a. 14** b. 10 c. 13 d. 15 (a)
  - iii)  $8 \times 5 (2+2) = \underline{\hspace{2cm}}$  a. 40 b. 100 c. 120 **d. 160** (d)
  
- 5) How many inches are there in one foot scale (d)
  - a) 6
  - b) 10
  - c) 11
  - d) 12**
  
- 6) How many sides are there for a Square ? (b)
  - a. 6
  - b. 4**
  - c. 3
  - d. 2
  
- 7) How many sides are there for a Rectangle? (b)
  - a) 6
  - b) 4**
  - c) 3
  - d) 2
  
- 9) How many sides are there for a Quadrilateral ? (b)
  - a) 6
  - b) 4**
  - c) 3
  - d) 2

- 10) In a Right angle Triangle , there are (b)
- a) 4 sides
  - b) **3 sides**
  - c) 1 side
  - d) 5 sides
- 11) How many degrees will a Circle have? (d)
- a) 120
  - b) 90
  - c) 180
  - d) **360**
12. How many degrees will a Half Circle have? (c)
- a) 120
  - b) 90
  - c) **180**
  - d) 360
13. A student scored 60, 75, 80, 55, 65, 45 marks out of 100 marks in all 6 subjects. Find out –
- i) Total marks scored by the student. (a)
    - a) **380**
    - b) 250
    - c) 480
    - d) 370
  - ii) Average marks scored by the student (c)
    - a) 53.28 %
    - b) 67.34%
    - c) **63.33**
    - d) 63.73%
  - iii) In how many subjects the student scored more than 60 marks (c)
    - a) 3
    - b) 5
    - c) **4**
    - d) 6
14. If 20% of 150 is 30, then, what will be the 20% of 300? (d)
- a) 200
  - b) 150
  - c) 80
  - d) **60**

15. A man earned Rs.25,000/- as salary for a month. He spent 10% of his salary for his room rent. How much amount he paid for rent from his salary? (b)
- a) Rs. 3,000/-
  - b) Rs. 2,500/-**
  - c) Rs. 2,000/-
  - d) Rs. 2,200/-
16. A train running at a speed of 60 Kmph covered a distance of 60 Kms in an hour. With same speed it continued its journey for further 3 hours. Total how much distance the train has covered from its starting? (b)
- a) 300 kms
  - b) 240 kms**
  - c) 250 kms
  - d) 600 kms
17. An employee basic pay is Rs.18500/- in the month of January 2021 . Government announced 4% DA during April 2021 with effect from January 2021. How much DA arrears will the employee get from January-2021 to April-2021? (b)
- a) Rs. 3,050/-
  - b) Rs. 2,960/-**
  - c) Rs. 2,400/-
  - d) Rs. 2,800/-
18. Find the average of all the numbers between 6 and 34 which are divisible by 5. (c)
- a. 30
  - b. 15
  - c. 20**
  - d. 18
19. Find the average of first five multiples of 3. (a)
- a) 9**
  - b) 15
  - c) 10
  - d) 8
20. The average age of 36 students in a class is 14 years. When teacher's age is included to it, the average increases by 1. What is the teacher's age? (b)
- a) 42 years
  - b) 51 years**
  - c) 35 years
  - d) 45 years
21. By selling a chair for Rs. 572, a man gains 30%. The cost price of the chair is \_\_\_\_\_ (c)
- a) Rs. 340
  - b) Rs. 400
  - c) Rs. 440**
  - d) None of these.

22. Amit sold an umbrella for Rs. 680, losing 15%. The cost price of the umbrella is \_\_\_\_\_ (b)
- Rs 782
  - Rs 800**
  - Rs 578
  - None of these.
23. If a man were to sell his chair for Rs 720, he would lose 25%. To gain 25%, he should sell it for \_\_\_\_\_ (a)
- Rs 1200**
  - Rs 1000
  - Rs 960
  - Rs 900
24. Ram bought 1600 eggs at Rs 3.75 per dozen. He sold 900 of them at 2 for Rs 1, and the remaining at 5 for Rs 5. His gain percent is \_\_\_\_\_ (d)
- 40%
  - 45%
  - 42%
  - 46%**
25. A merchant has 1000 kg of sugar, part of which he sells at 8% profit and the rest at 18% profit. He gains 14% on the whole. The quantity sold at 12% profit is \_\_\_\_\_ (b)
- 560 kg
  - 600 kg**
  - 400 kg
  - 640 kg
26. A radio is sold for Rs 990 at a profit of 10%. What would have been the gain or loss percent, had it been sold for Rs 890 ? (c)
- loss, 10%
  - gain,  $1\frac{1}{9}\%$
  - loss,  $1\frac{1}{9}\%$**
  - loss, 1%
27. Mohan bought 20 dining tables for Rs 12000 and sold them at a profit equal to the selling price of 4 dining tables. The selling price of each dining table is \_\_\_\_\_ (b)
- Rs 700
  - Rs 750**
  - Rs 725
  - Rs 775

28. A fruit seller buys lemons at 2 for a rupee and sells them at 5 for 3 rupees. His gain percent is \_\_\_\_\_ (c)
- a) 10%  
 b) 15%  
 c) **20%**  
 d) 25%
29. Oranges are bought at 5 for Rs 10 and sold at 6 for Rs 15. His gain percent is \_\_\_\_\_ (d)
- a) 50%  
 b) 40%  
 c) 35%  
 d) **25%**
30. A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20 % ? (c)
- a) 3  
 b) 4  
 c) **5**  
 d) None of these
31. A machine was sold at a gain of 10%. Had it been sold at Rs 80 less, the seller would have lost 10%. What is the cost price of the machine ? (b)
- a) Rs 350  
 b) **Rs 400**  
 c) Rs 450  
 d) Rs 520
32. The ratio of cost price and selling price of an article is 20 : 21. What is the profit percent on it ? (a)
- a) **5%**  
 b) 5.5%  
 c) 6%  
 d) 6.25%
33. A 120 m long train takes 10 seconds to cross a man standing on a platform. The speed of the train is \_\_\_\_\_ (b)
- a) 10 m/sec  
 b) **12 m/sec**  
 c) 15 m/sec  
 d) 20 m/sec
34. A train with a speed of 60 kmph crosses a pole in 30 seconds. The length of the train is \_\_\_\_\_ (a)
- a) 500 m  
 b) 750 m  
 c) 900 m  
 d) 1000 m

35. How much time will a train 171 m long take to cross a bridge 229 m long, if it is running a speed of 45 kmph \_\_\_\_\_ (c)
- a) 40 sec  
 b) 35 sec  
 c) 32 sec  
 d) 30 sec
36. A train 100 m long crosses a bridge of length 100 m in 6 seconds. The train will cross another bridge of length 200 m in \_\_\_\_\_ (b)
- a) 8 sec  
**b) 9 sec**  
 c) 10 sec  
 d) 12 sec
37. Two trains are running in opposite directions with speeds of 62 kmph and 40 kmph respectively. If the length of the one train is 250 m and they cross each other in 18 seconds, the length of the other train is \_\_\_\_\_ (c)
- a) 145 m  
 b) 230 m  
**c) 260 m**  
 d) None of these
38. Two trains running in opposite directions at 36 kmph and 45 kmph cross each other in 20 seconds. If one train is 200 m long, the length of the other train is \_\_\_\_\_ (d)
- a) 144 m  
 b) 200 m  
 c) 240 m  
**d) 250 m**
39. Two trains travel in opposite directions at 36 kmph and 45 kmph. A man sitting in the slower train passes the faster train in 8 seconds. The length of the faster train is \_\_\_\_\_ (d)
- a) 80 m  
 b) 100 m  
 c) 120 m  
**d) 180 m**
40. The average of 100 numbers is 44. The average of these 100 numbers and four other new numbers is 50. The average of the four new numbers will be \_\_\_\_\_ (b)
- a) 800  
**b) 200**  
 c) 176  
 d) 24
41. If BEFORE is coded as FEBERO then JUNGLE is coded as \_\_\_\_\_ (a)
- a) NUJELG  
 b) NUEJLG  
 c) JELGNU  
 d) NUEJGL

### General Knowledge:

1. Which train of the Indian Railways has the longest route length? (c)
  - a) Howrah to Jammu Tawi Himgiri Express
  - b) Kanya Kumari - Jammu Tawi Himsagar Express
  - c) **Kanya Kumari – Dibrugarh Vivek Express**
  - d) Guwahati - Thiruvananthapuram Express
  
2. Which of the following is the largest railway junction of the Indian Railways? (c)
  - a) Delhi
  - b) Bhatinda
  - c) **Mathura**
  - d) Prayagraj
  
3. Which station of the Indian Railways has the longest railway platform in the world? (c)
  - a) Gorakhpur
  - b) Pt. Deen Dayal Upadhyay Rly Stn
  - c) **SSS Hubballi Jn**
  - d) Kharagpur
  
4. What is the width of broad gauge railway line in Indian Railways? (b)
  - a) 5 feet 3 inches
  - b) **5 feet 6 inches**
  - c) 4 feet 11 inches
  - d) 5 feet 4 inches
  
5. Who of the following was the first Railway Minister of independent India? (a)
  - a) **John Mathai**
  - b) Lal Bahadur Shastri
  - c) Jawaharlal Nehru
  - d) Shanmugham Shetty
  
6. Into how many zones is the Indian Railways organised? (a)
  - a) **18**
  - b) 16
  - c) 14
  - d) 17
  
7. Which famous railway station has been renamed Pandit Deen Dayal Upadhyay Nagar railway station? (a)
  - a) **Mughalsarai**
  - b) Hazrat Nizamuddin
  - c) Allahabad
  - d) Mathura



8. What is the station which has three routes passing through it known as? (c)  
a) Central  
b) Terminal  
c) **Junction**  
d) Cantt
9. Under whose tenure as Railway Minister, were the Garib Rath trains introduced by Indian Railways? (b)  
a) Mamta Banerjee  
b) **Lalu Prasad Yadav**  
c) Nitish Kumar  
d) Ram Vilas Paswan
10. What is the voltage used for electric traction in Indian Railways (i.e. voltage available on overhead lines)? (a)  
a) **25 kV AC**  
b) 11 kV AC  
c) 25 kV DC  
d) 11 kV DC
11. How many stations are to be initially redeveloped under the Amrit Bharat Scheme, the foundation stone of which was recently laid in August 2023? (d)  
a) 312  
b) 424  
c) 484  
d) **508**
12. On which route was the first Vande Bharat Express introduced in 2019? (b)  
a) Mumbai and Ahmedabad  
b) **New Delhi and Varanasi**  
c) New Delhi and Bhopal  
d) Chennai and Bengaluru
13. India's longest railway tunnel is located between - (c)  
a) Jammu and Katra  
b) Katra and Banihal  
c) **Banihal and Qazigund**  
d) Qazigund and Anantnag
14. Which railway station of the Indian Railways is located at the highest altitude? (a)  
a) **Ghum**  
b) Ooty  
c) Shimla  
d) Kalka

15. At which place is the National Rail and Transportation University located? (c)  
a) Jabalpur  
b) Guwahati  
c) **Vadodara**  
d) Mysuru
16. Which of the following is India's first green railway corridor ? (b)  
a) Barmer to Munawab  
b) **Manamadurai to Rameswaram**  
c) Chennai to Manamadurai  
d) Puri to Visakhapatnam
17. Which zone is the largest railway zone in India ? (b)  
a) Central Railway  
b) **Northern Railway**  
c) Eastern Railway  
d) Western Railway
18. A platform surrounded by rail lines from all the four sides, is called ? (c)  
a) Dock platform  
b) Passenger platform  
c) **Island platform**  
d) Goods platform
19. What is the headquarters of the newly established railway zone "East Coast Railway" (d)  
a) Visakhapatnam  
b) Kolkata  
c) Hyderabad  
d) **Bhubaneswar**
20. Who invented Railway Engine ? (d)  
a) Charles Babbage  
b) Isaac Newton  
c) James Watt  
d) **George Stephenson**
21. The instrument used for finding ut wind direction is (d)  
a) hygrometer  
b) anemometer  
c) wind gauze  
d) **wind vane**
22. Who was the First Chairman of Planning Commission of India ? (b)  
a) Lal Bahadur Shastri  
b) **MaulanaAbdul Kalam Azad**  
c) Jawahar Lal Nehru  
d) Vallabhai Patel

23. Friction can be reduced by changing from ? (b)  
a) rolling to sliding  
**b) sliding to rolling**  
c) potential energy to kinetic energy  
d) dynamic to static
24. Which one of the following is the primary source of energy in India ? (c)  
a) hydro power  
b) natural gas  
**c) coal**  
d) naphtha
25. Who among the following are awarded with Padma Vibhushan 2024 ? (d)  
a) Shri M Venkaiah Naidu  
b) Shri Konidela Chiranjeevi  
c) Ms. Vyjayantimala Bali  
**d) All of the above**
26. Who among the following are awarded with Bharat Ratna 2024 ? (d)  
a) Shri M. S. Swaminathan  
b) Shri Lal Krishna Advani  
c) Shri. P. V. Narasimha Rao  
**d) All of the above**
27. The largest living bird is \_\_\_\_\_ (c)  
a) duck  
b) dodo  
**c) ostrich**  
d) peacock
28. The SI unit of Force is \_\_\_\_\_ (b)  
a) joule  
**b) newton**  
c) dyne  
d) none of the above
29. Japanese Encephalitis is spread by \_\_\_\_\_ (d)  
a) contaminated water  
b) air  
c) dog bite  
**d) mosquito**
30. Jude Felix is a famous Indian player in which sports ? (b)  
a) football  
**b) hockey**  
c) swimming  
d) badminton

31. Where is Almatti Dam located ? (c)  
a) Himachal Pradesh  
b) Uttarakhand  
c) **Karnataka**  
d) Tamil Nadu
32. Which book was written by Dadabhai Naoroji on Poverty and Economy under British rule ? (c)  
a) Indian Economy under British raj  
b) British Rule and Drain of Wealth  
c) **Poverty and Un-British Rule in India**  
d) None of the above
33. Hampi is situated on the banks of which river ? (c)  
a) Krishna  
b) Cauvery  
c) **Tungabhadra**  
d) Godavari
34. The Indian Constitution is regarded as ? (d)  
a) Unitary  
b) Federal  
c) Parliamentary  
d) **Federal in form and Unitary in spirit**
35. Who gave the title "Sardar" to Vallabhbhai Patel ? (b)  
a) J.L.Nehru  
b) **M.K.Gandhi**  
c) Maulana Azad  
d) Sarojini Naidu
36. Birsa Munda stadium is located in ? (d)  
a) Jamshedpur  
b) Bilaspur  
c) Raipur  
d) **Ranchi**
37. Who was the first Indian bowler to take Hat-Trick in World Cup Cricket ? (d)  
a) Kapil Dev  
b) Anil Kumble  
c) Ravi Shastri  
d) **Chetan Sharma**
38. A body at rest can have ? (b)  
a) speed  
b) **velocity**  
c) momentum  
d) energy

39. The shape of our Galaxy Milky Way is ? (b)  
a) elliptical  
**b) circular**  
c) spiral  
d) none of the above
40. On which date, the 'Indian Army Day' is observed in India? (d)  
a) 16 January  
b) 14 January  
c) 12 January  
**d) 15 January**
41. Who is the main architect of the Ram Mandir, Ayodhya? (d)  
a) Pramukh Swami Mahara  
b) Arun Yogiraj  
c) Subhash Bhoite  
**d) Chandrakant Sompura**
42. What is the name of the AI-based app recently launched by the central government for providing study materials in regional languages? (a)  
**a) Anuvadini app**  
b) Bhasini app  
c) Diksha app  
d) Bhasa sangam app
43. When is the 'National Voters' Day' observed every year? (b)  
a) 24 January  
**b) 25 January**  
c) 26 January  
d) 15 January
44. 'AstroSat' is a space telescope launched by which country? (c)  
a) USA  
b) Russia  
**c) India**  
d) China
45. Hirakud Dam reservoir, is in which state? (c)  
a) West Bengal  
b) Bihar  
**c) Odisha**  
d) Jharkhand

46. Recently, World Health Organization has prequalified the R21/Matrix-M vaccine to prevent which disease? (a)
- a) Malaria
  - b) Measles
  - c) Meningitis
  - d) Monkeypox
47. Aatmanirbhar Bharat Centre for Design (ABCD) is located in which city? (a)
- a) **New Delhi**
  - b) Mumbai
  - c) Chennai
  - d) Kochi
48. National Institute of Educational Planning and Administration is located in which city? (c)
- a) Pune
  - b) Varanasi
  - c) **New Delhi**
  - d) Mysuru
49. Gandhi Sagar Sanctuary is situated in which state/UT? (c)
- a) Gujarat
  - b) Bihar
  - c) **Madhya Pradesh**
  - d) Sikkim
50. The World's first 'Spotless giraffe' was born in which country? (b)
- a) India
  - b) **USA**
  - c) China
  - d) New Zealand
51. Which is the first Indian documentary to win an Oscar award? (c)
- a) Stranger at the Gate
  - b) How do you Measure a Year?
  - c) **The Elephant Whisperers**
  - d) All that Breathes

### ENGINE (POWER PACK)

1. During which stroke inlets valves opens (a)
  - a) **Suction**
  - b) Compression
  - c) Power
  - d) Exhaust
  
2. During which stroke both valves closed (b)
  - a) Suction
  - b) **Compression**
  - c) Power
  - d) Exhaust
  
3. During which stroke gases exhaust from engine (d)
  - a) Suction
  - b) Compression
  - c) Power
  - d) **Exhaust**
  
4. How does the engine is cooled (a)
  - a) **Cooling water system**
  - b) Air cooling system
  - c) Booster Air pressure
  - d) Both A & B
  
5. How many wheels will be available in each bogie for Co-Co type bogies (b)
  - a) 4
  - b) **6**
  - c) 3
  - d) 8
  
6. How many axles will be available in each bogie for Co-Co type bogies (c)
  - a) 4
  - b) 6
  - c) **3**
  - d) 8
  
7. How many axles will be available in each bogie for Bo-Bo type bogies (b)
  - a) 4
  - b) **2**
  - c) 3
  - d) 1

8. Fuel tank is provided (c)  
a) On the loco body  
b) In the engine room  
c) **Between Bogie -1 and Bogie-2**  
d) In the Radiator room
9. How many wheels are there for WDM2 locomotive? (b)  
a) 8  
b) **12**  
c) 10  
d) 11
10. How many cattle guards are provided for a locomotive? (c)  
a) 1  
b) 3  
c) **2**  
d) 4
11. How many Rail Guards are provided for each Cattle Guard? (b)  
a) 2  
b) **4**  
c) 3  
d) 1
12. In Alco loco, single exhaust manifolds have following no. of pieces (b)  
a) 6  
b) **7**  
c) 8  
d) 5
13. In WDP-1 loco having four entry TSC, one exhaust manifold connects with how many cylinder Heads (b)  
a) One  
b) **Two**  
c) Three  
d) Four
14. GE Governor is operated \_\_\_\_\_ (b)  
a) Mechanically  
b) **Hydraulically**  
c) Pneumatically  
d) None of these



15. Lube oil pump is driven from \_\_\_\_\_ (c)
- Split gear
  - Cam gear
  - Extension shaft**
  - Main generator gear
16. When hot engine alarm is operated, the condition of locomotive is \_\_\_\_\_ (b)
- Idle
  - Run on same speed**
  - Shut down
  - None of above
17. What is the unit of S.F.C. (Specific Fuel Consumption) (a)
- gm/hp/hr.**
  - Liters/Kwhr/minutes
  - Kg/Newton/hr
  - None
18. Engine giving blueish smoke indicates \_\_\_\_\_ (c)
- Water mix in fuel oil
  - Injector hole choked partially
  - Cylinder head valve guide clearance more**
  - FIP delivery less
20. White smoke given by engine is due to \_\_\_\_\_ (c)
- FIP not responding
  - Tappet phasing disturbs
  - Cylinder head crack internally**
  - X-head having abnormal sound
20. Which of the following is not the safety item of locomotive (c)
- OST
  - LWS
  - Governor**
  - ACP
21. BAP is not building up due to \_\_\_\_\_ (d)
- TSC rotor jam
  - Gov. defective
  - Air Intel gasket burst
  - Any one of above**
22. Which of the following is prime mover (a)
- Engine**
  - Traction Generator
  - Traction Motor
  - None of the above

23. Engine given thick black smoke due to (a)
- a) **Low BAP**
  - b) Less fuel oil level
  - c) Defective CCE motor
  - d) Defective manifold
24. In scavenging period burnt gases are pushed out by (a)
- a) **Fresh air**
  - b) By burnt gases
  - c) By TSC
  - d) Nothing of these
25. Engine hunting is due to (a)
- a. **Rake movement not free**
  - b. Excess fuel pressure
  - c. Low fuel pressure
  - d. Nothing of these
26. Low phasing means (a)
- a. **After burning of fuel**
  - b. Correct burning of fuel
  - c. Without burning of fuel
  - d. Nothing of these
27. Out of which safety device, engine comes to idle (c)
- a. OST
  - b. LWS
  - c. **ACP**
  - d. Low lube oil indication

## UNDER TRUCK

1. Which type of bogie is used in WDM<sub>2</sub> loco (b)
  - a) Bi-mount
  - b) Tri mount**
  - c) Uni mount
  - d) None of above
  
2. Centre pivot of bogie of WDM2 is located between (a)
  - a) Leading axles and middle axles**
  - b) Trailing axles and middle axles
  - c) On the middle axle
  - d) On the trailing axle
  
3. How much percentage of load does center pivot of WDM2 bogie carries (c)
  - a) 40%
  - b) 50%
  - c) 60%**
  - d) 70%
  
4. Which type of suspension in WDM2 loco bogie has (a)
  - a) Single stage**
  - b) Double stage
  - c) Multi stage
  - d) None of the above
  
5. The main advantage of single stage suspension is (b)
  - a) To raise the center of gravity
  - b) To lower the center of gravity**
  - c) To improve bogie speed
  - d) To reduce bogie maintenance
  
6. The device used to transmit loco speed from wheels to the speedometer is called (c)
  - a) Tacho generator
  - b) Auxiliary generator
  - c) Axle generator**
  - d) Main Generator
  
7. Traction motor load is transferred on bogie frame through (b)
  - a) Main journal
  - b) Suspension nose**
  - c) Axle box
  - d) Helical coil spring

8. Height of side buffer should be maintained between (a)  
a) **1105 mm to 1030 mm**  
b) 1150 mm to 1000 mm  
c) 1150 mm to 900 mm  
d) 1105 mm to 800 mm
9. Buffer height can be adjusted by (c)  
a) Adding shims to load pads & side bearers  
b) Adding shims to spring seat  
c) **Both A & B**  
d) None of the above
10. Minimum distance between brake block & wheel in release position should be (b)  
a) 5 mm  
b) **10 mm**  
c) 15 mm  
d) 20 mm
11. Brake piston travel adjustment in WDM<sub>2</sub> is recommended between (c)  
a) 20 mm to 30 mm  
b) 10 mm to 15 mm  
c) **67 to 100 mm**  
d) 50 mm to 200 mm
12. The wheel dia variation of WDM<sub>2</sub> loco on same bogie is permitted up to (a)  
a) **2 mm**  
b) 4 mm  
c) 6 mm  
d) 8 mm
13. The wheel dia variation of WDM<sub>2</sub> on same axle is permitted up to (d)  
a) 2 mm  
b) 3 mm  
c) 4 mm  
d) **0.5 mm**
14. The wheel dia variation of WDM<sub>2</sub> on same loco is permitted up to (d)  
a) 10 mm  
b) 15 mm  
c) 20 mm  
d) **25 mm**
15. Service limit of wheel dia. of diesel locomotive (In goods service) is (a)  
a) **1010 mm**  
b) 1040 mm  
c) 1030 mm  
d) 1020 mm

16. No. of primary helical coil springs per bogie in WDP<sub>2</sub> loco is (b)  
a) 10  
**b) 12**  
c) 14  
d) 16
17. No. of primary helical coil springs in WDP<sub>2</sub> loco is (a)  
**a) 24**  
b) 25  
c) 26  
d) 27
18. No. of secondary helical coil springs per bogie in WDP<sub>2</sub> loco is (b)  
a) 6  
**b) 8**  
c) 10  
d) 12
19. No. of secondary helical coil springs in WDP<sub>2</sub> loco is (d)  
a) 10  
b) 12  
c) 14  
**d) 16**
20. The shape of Bo- Bo bogie frame resembles to English alphabet (d)  
a) A  
b) C  
c) E  
**d) H**
21. Expanded form of TBU is (b)  
a) Truck brake unit  
**b) Tread brake unit**  
c) Terminal brake unit  
d) Thread brake unit
22. Slack adjuster is initially set to provide a safe release of (c)  
a) 6 mm  
b) 8 mm  
**c) 10 mm**  
d) 12 mm
23. With new wheels & brake shoes the initial setting of safe release is 10 mm. At this position the piston travel will be (c)  
a) 50 mm  
b) 57 mm  
**c) 67 mm**  
d) 77 mm

24. The limit of flat spot on wheel is (c)  
a) 30 mm  
b) 40 mm  
c) **50 mm**  
d) 60 mm
25. If flat spot on wheel is exceeds 50 mm, then (c)  
a) Wheel set to be sent for re dinking  
b) Wheel set should be connected  
c) **Dressing is done before turning**  
d) None of the above
26. No. of traction bars per bogie in WDP<sub>2</sub> loco is (b)  
a) 1  
b) **2**  
c) 3  
d) 4
27. No. of traction bars in WDP<sub>2</sub> loco is (d)  
a) 1  
b) 2  
c) 3  
d) **4**

### **ELECTRICAL**

1. The stator winding of Traction Alternator type 10106 AZ (In WDP1 loco) is connected as (c)  
a) Star connected  
b) Delta Connected  
c) **Star connected with two parallel path per phase**  
d) Delta connected with two parallel path per phase
2. Tacho-generator have total numbers of magnetic poles (c)  
a) 4  
b) 2  
c) **6**  
d) 8
3. On which type of loco thyrite resistor is fitted (b)  
a) WDM<sub>2</sub>  
b) **WDM<sub>3</sub>**  
c) WDS<sub>6</sub>  
d) YDM<sub>4</sub>

4. GFLOr relay is provided in AC/DC locos for safety of (a)  
 a) **Phase to Phase shorting of Tr. Alt.**  
 b) Flash over between GF contacts  
 c) Earthing of Tr. Alternator  
 d) GF Contactor
5. If SAR relay is not energized what will happen (a)  
 a) **Engine will over speed**  
 b) Engine will start  
 c) Engine will start normally but GF will not P/up  
 d) Engine will start normally but could not be notchedup
6. OST RPM is adjusted by which SAR of ECP (c)  
 a) SAR-1  
 b) SAR-2  
 c) **SAR-3**  
 d) SAR-4
7. Welding of FS contactor tips will give the indication of (c)  
 a) Ground relay operating  
 b) EP contactor fluctuating  
 c) **Wheel slip on 1st notch onwards**  
 d) GF not picking up
8. If the reference voltage is more than 24.4 volts, the defects in (a)  
 a) **LCP**  
 b) SP  
 c) GCR  
 d) Pilot valve
9. In MU operation both the loco can be shut down through \_\_\_\_\_ (c)  
 a) Stop Button  
 b) OST  
 c) **MUSD**  
 d) Lube oil plunger
10. Reverser Contactor used on diesel loco is \_\_\_\_\_ (a)  
 a) **To change the direction of field**  
 b) To use the Dynamic braking  
 c) To pass the power supply to T/Motors  
 d) None of the above
11. MCOS is used in WDP1 loco in case of trouble (d)  
 a) Power Ground  
 b) Wheel Slip  
 c) EP Contactor fluctuates  
 d) **Power ground or wheel slip operates**

12. In the WDP 4 & WDG4 locomotive engine how much lube oil pumps used (d)  
a) One  
b) Two  
c) Three  
**d) Four**
13. In the GM locomotive the air compressor is \_\_\_\_\_ (b)  
a) Air cooled  
**b) Water cooled**  
c) Oil cooled  
d) None of these
14. In the WDP 4 & WDG 4 locomotive the coolant used in compressor is \_\_\_\_\_ (a)  
**a) Engine coolant**  
b) Compressor coolant  
c) Raw water  
d) None of these
15. Air compressor the lube oil sump capacity is \_\_\_\_\_ (a)  
**a) 10 Liters**  
b) 12 Liters  
c) 15 Liters  
d) 23 Liters
16. Air compressor in the GM locomotive is \_\_\_\_\_ (b)  
a) Single stage  
**b) Two stage**  
c) Three stage  
d) Four stage
17. How many brake cylinders are used per bogie \_\_\_\_\_ (b)  
a) 06 Nos  
**b) 04 Nos**  
c) 02 Nos  
d) 05 Nos
18. Which type of bogie is used in GM locomotive \_\_\_\_\_ (c)  
a) Fabricated bogie  
b) Cast steel  
**c) High tensile cast steel**  
d) None of these
19. In GM locomotive Air brake is controlled by \_\_\_\_\_ (c)  
a) Mechanically  
b) Electrically  
**c) Computer**  
d) None of these



20. Air brake system in WDP<sub>4</sub> & WDG<sub>4</sub> loco is \_\_\_\_\_ (c)  
a) 28LAV-1  
b) 28LV-1  
**c) CCB-KNORR**  
d) None of these
21. In GM locomotive the first schedule carried out after \_\_\_\_\_ (b)  
a) One month  
**b) Three month**  
c) Four month  
d) 15 Days
22. Maximum speed of WDP<sub>4</sub> locomotive is \_\_\_\_\_ (b)  
a) 120 Kmph  
**b) 160 Kmph**  
c) 150 Kmph  
d) 180 Kmph

#### **GM Locos**

1. Which type of diesel engine is fitted in GM locomotive (d)  
a) Four stroke  
b) Three stroke  
c) One stroke  
**d) Two stroke**
2. What is the compression ratio of the GM locomotive (a)  
**a. 16:1**  
b. 14:1  
c. 13:1  
d. 5:1
3. What is the full speed RPM of the GM locomotive engine (b)  
a) 1000 RPM  
**b) 904 RPM**  
c) 900 RPM  
d) 950 RPM
4. How much the minimum speed of the GM locomotive engine without LIR (low idle relay) (c)  
a) 200 RPM  
b) 250 RPM  
**c) 269 RPM**  
d) 249 RPM

5. How much the minimum speed of the GM locomotive engine with LIR (a)  
 a) **200 RPM**  
 b) 250 RPM  
 c) 269 RPM  
 d) 249 RPM
6. What is the lube oil capacity in system of GM loco? (c)  
 a) 1000 Liters  
 b) 1100 Liters  
 c) **950 Liters**  
 d) 910 Liters
7. What is the fuel tank capacity in the GM locomotive (b)  
 a) 5000 Liters  
 b) **6000 Liters**  
 c) 4000 Liters  
 d) 7000 Liters
8. What is the coolant water capacity in the GM locomotive (c)  
 a) 1200 Liters  
 b) 1100 Liters  
 c) **1045 Liters**  
 d) 1145 Liters
9. What is the maximum speed of the WDG 4 locomotive (c)  
 a) 150 Km/h  
 b) 140 Km/h  
 c) **120 Km/h**  
 d) 110 Km/h
10. Which type of bogie fitted in the GM locomotive (b)  
 a) Single suspension  
 b) **Double suspension**  
 c) Triple suspension  
 d) None of these
11. In the fuel oil system which type of injectors provided in the GM locomotive (a)  
 a) **Unit injectors**  
 b) Injectors with HP line  
 c) Injector with cam  
 d) None of these
12. In the two stroke engine the cylinder head of the engine equipped with (c)  
 a) Inlet & Exhaust valves  
 b) Only Inlet valves  
 c) **Only Exhaust valves**  
 d) None of these

13. In the GM locomotive the Turbo charger is driven by (c)  
a) Exhaust Gas  
b) Gear Train  
c) **Gear Train & Exhaust gas**  
d) None of these
14. In the WDP 4 & WDG4 locomotive engine how much lube oil pumps used (d)  
a) One  
b) Two  
c) Three  
d) **Four**

### **BITS ON HUMAN SAFETY**

1. Which of the following is Human Safety item. (b)  
a) VCD  
b) **Helmet**  
c) First Aid  
d) RTIS
2. Which of the following is Human Safety item? (d)  
a) Helmet  
b) Mask  
c) Shoes  
d) **All of the above**
3. While Opening Oven door which of the following safety item essential. (c)  
a) Helmet  
b) Apron  
c) **Boiler Suit**  
d) Arm Guard
4. While doing welding which of the following equipments to be kept away. (b)  
a) Water  
b) **Petrol**  
c) Sand  
d) None of these
5. While removing grease from axle box which of the following safety item to be wear. (a)  
a) **Gloves**  
b) Helmet  
c) Shoes  
d) Leg Guard

6. While operating crane & moving any equipment above the staff\_\_\_\_to be operated by driver. (c)
- a) Head light
  - b) Mirror light
  - c) **Horn**
  - d) None of these
7. While standing near a rotating machine staff \_\_\_\_\_ to wear essential. (a)
- a) **Apron**
  - b) Helmet
  - c) Boiler Suit
  - d) Mask
8. While Loco was cleaning with Pneumatic air ( Blowing) \_\_\_\_\_ essential (c)
- a) Helmet
  - b) Apron
  - c) **Mask**
  - d) Boiler Suit
9. During Rainy Season Staff working under pit has to wear Compulsory. (c)
- a) Apron
  - b) Mask
  - c) **Rubber Shoe up to knee**
  - d) None of these
10. While Operating Horns Staff to use \_\_\_\_\_ Safety item compulsory (b)
- a) Apron
  - b) **Ear muff**
  - c) Rubber Shoe
  - d) ear phone
11. Which of the following is LOCO Safety item? (d)
- a) Corridor Light
  - b) Corridor Door
  - c) Foot Plate
  - d) **Look out Glass**
12. Which of the following is LOCO Safety item? (c)
- a) Corridor Light
  - b) Corridor Door
  - c) **VCD**
  - d) Foot Plate

13. Which of the following is LOCO Safety item? (a)
- a) **SPM**
  - b) Foot Plate
  - c) Corridor Door
  - d) None of these
14. Which of the following is LOCO Safety item? (c)
- a) Spare Fuses
  - b) Negative bond
  - c) **Both a & b**
  - d) None of these
15. Which of the following is LOCO Safety item? (d)
- a) VCD
  - b) Buffers
  - c) Foot Plate
  - d) **Both a & b**
16. Which of the following is LOCO Safety item? (b)
- a) Corridor Light
  - b) **Air Dryer**
  - c) Foot Plate
  - d) None of these
17. Which of the following is LOCO Safety item? (c)
- a) Corridor Light
  - b) Foot Plate
  - c) **Head Light**
  - d) None of these
18. Which of the following is LOCO Safety item? (c)
- a) VCD
  - b) SPM
  - c) **Both a & b**
  - d) None of these
19. Which of the following is LOCO Safety item? (d)
- a) Buffers
  - b) Rail guard
  - c) Wooden Wedges
  - d) **all of the above**
20. Which of the following is LOCO Safety item? (c)
- a) Buffers
  - b) Cattle guard
  - c) **Both a & b**
  - d) None of these

21. Which of the following is LOCO Safety item? (d)
- a) SPM
  - b) Foot Plate
  - c) Cattle Guard
  - d) **Both a & c**
22. Which of the following is LOCO Safety item? (c)
- a) Wooden Wedges
  - b) Fire Extinguisher
  - c) **Both a & b**
  - d) None of these
23. While Walking on Floor of Shed \_\_\_\_ to be Check thoroughly. (b)
- a) Tiles
  - b) **Any oil /grease**
  - c) Sand
  - d) None of these
24. All the Staff must have awareness on \_\_\_\_\_ (c)
- a) Operation of Fire Extinguisher
  - b) Location of Fire Extinguisher
  - c) **Both a & b**
  - d) None of these
25. During Short Circuit in ELS every staff must have knowledge on. (c)
- a) Main MCB location to Switch off Power
  - b) Operation of Fire Extinguisher
  - c) **Both a & b**
  - d) None of these
26. During Emergency in ELS \_\_\_\_\_ is Required. (b)
- a) Fire Extinguisher
  - b) **Assembly of all the staff at one point.**
  - c) Main MCB Location
  - d) None of these
27. While Working near Welding plant \_\_\_\_\_ are essential. (c)
- a) Water
  - b) Sand
  - c) **Both a & b**
  - d) None of these
28. While working on crane at Shed \_\_\_\_\_ to be ensure before loading. (b)
- a) Tiles
  - b) **proper hook size**
  - c) Fire Extinguisher
  - d) None of these

29. All the Staff must have awareness on \_\_\_\_\_ (d)
- a) Operation of Fire Extinguisher
  - b) knowledge on First Aid
  - c) Location of Fire Extinguisher
  - d) **all of the above**
30. During fire in loco \_\_\_\_\_ is Required. (a)
- a) **Fire Extinguisher**
  - b) Assembly of all the staff at one point.
  - c) Main MCB Location
  - d) Wooden wedge.

## QUESTION BANK ON TRACTION ROLLING STOCK (TRS) TECHNICIAN

### OBJECTIVE TYPE QUESTIONS:

1. Safety relays (d)  
a) All DI type  
b) All DU type  
c) All DU & DI type  
d) some are DU and some are DI type
2. DI Type safety relays are (b)  
a) QOP, QOA  
b) QRSI, QLA, QLM  
c) QOP, QPDJ  
d) Q44, Q118
3. DU type safety relays are (a)  
a) QOP, QOA  
b) QLM, QRSI  
c) Q44  
d) Q118
4. CT ratio of RSILM: (b)  
a) 1000: 5  
b) 4000: 5  
c) 2000: 5  
d) 1000: 15
5. CT ratio of TFILM (c)  
a) 50: 5  
b) 100: 5  
c) 250: 5  
d) 200: 5
6. Pick up voltage of Q20 in WAG5 locos: (c)  
a) 750 V  
b) 900 V  
c) 865 V  
d) 650 V
7. While RB is in service which relay will act if earth fault occurs in the Power Circuit of WAG5 loco: (a)  
a) QOP 1  
b) QOP 2  
c) QOA  
d) QLM
8. The resistance value of RU in WAG5 locos is (a)  
a) 88 k $\Omega$   
b) 100 k $\Omega$   
c) 120 k $\Omega$   
d) 220 k $\Omega$
9. The resistance value of RU in WAG5 locos or 6P locos (b)  
a) 2.4 k $\Omega$   
b) 13.2 k $\Omega$   
c) 24 k $\Omega$   
d) 10 k $\Omega$
10. The setting value of Q44 is (d)  
a) 1 sec  
b) 2 sec  
c) 5 sec  
d) 0.6 sec
11. The setting value of Q118 is (b)  
a) 2.5 sec  
b) 5 sec  
c) 0.6 sec  
d) 1.5 sec



12. In twin Beam headlight the rating of bulb is \_\_\_\_\_ (b)  
 a) 24V, 70/75W  
 b) 24V, 90/100 W  
 c) 110V, 70/75 W  
 d) 110V, 90/100 W
13. The input/out put voltage ratings of the DC-DC converter are: (c)  
 a) 110V/110V  
 b) 110V/50V  
 c) 1 10V/24V  
 d) 110V/20V
14. In a twin beam Head light, what is the voltage of bulb in “dimmer” Operation. (c)  
 a) 110V  
 b) 55V  
 c) 24V  
 d) 12V
15. How many CPs of 1000 LPM are required for Air brake loco for Passenger service (a)  
 a) Minimum 2 CPs  
 b) Maximum 2 CPs  
 c) Minimum 3 CPs  
 d) Maximum 3 CPs
16. The specific gravity of electrolyte is (a)  
 a) 1.250  
 b) 1.200  
 c) 1.100  
 d) 1.180
17. Specific gravity of electrolyte is measured using: (c)  
 a) Thermometer  
 b) Hygrometer  
 c) Hydrometer  
 d) Lactometer
18. DC series motor is used for traction purpose because (b)  
 a) High speed  
 b) High starting torque  
 c) Low starting torque  
 d) Constant torque at all speeds
19. Horse power of a TAOHI traction motor is (c)  
 a) 700 HP  
 b) 600 HP  
 c) 770 HP  
 d) 800 HP
20. Size of each cable connected to Traction Motor is (d)  
 a) 120 Sq.mm  
 b) 150 Sq.mm  
 c) 200 Sq.mm  
 d) 270 Sq.mm
21. Size of each cable connected to MVMT1/MVMT2/MVRH in AC Locomotive is (c)  
 a) 3 Sq.mm  
 b) 10 Sq.mm  
 c) 25 Sq.mm  
 d) 50 Sq.mm
22. Size of the cable connected to MCP/MPH (b)  
 a) 3 Sq.mm  
 b) 10 Sq.mm  
 c) 25 Sq.mm  
 d) 50 Sq.mm
23. Size of the cable used in control circuits is (a)  
 a) 3 Sq.mm  
 b) 10 Sq.mm  
 c) 25 Sq.mm  
 d) 50 Sq.mm
24. Size of the cable connected to Arno (c)  
 a) 100 Sq.mm  
 b) 150 Sq.mm  
 c) 120 Sq.mm  
 d) 150 Sq.mm
25. Breaking excitation transformer ATFEX purpose is (b)  
 a) Excitation of armature  
 b) Excitation of field  
 c) Excitation of both  
 d) Excitation of TFP

26. BP1 DJ is pressed (d)  
 a) To start the loco    b) to stop the loco    c) to close DJ    **d) to trip DJ**
27. HQOP & HQOA are (b)  
 a) Earth fault relay by pass switches  
**b) Earth fault relay isolation switches**  
 c) Earth fault relays  
 d) All the above.
28. Flasher light is provided in loco / MEMU (d)  
 a) To communicate with the loco driver coming in the opposite direction about any difficulty.  
 b) To communicate with the loco driver coming in the same direction, about any Difficulty.  
 c) To inform the opposite coming loco driver about the abnormality noticed about OHE/Track.  
**d) All above.**
29. EM contactor main contact pressure is (a)  
**a) 650 to 800 gms**    b) 600 to 800 gms    c) 600 to 750 gms    d) 600 to 800 gms
30. Electrolyte used in lead acid battery is (b)  
 a) Conc. Sulphuric acid    **b) dil. Sulphuric acid**  
 c) Nitric acid    d) none
31. The fuse rating of CCPT is (b)  
 a) 6 amps    **b) 10 amps**    c) 16 amps    d) 35 amps
32. CHBA function is normally (d)  
 a) To supply the DC charging current to batteries  
 b) To supply the DC load current to various control circuits  
 c) To supply the current to Auxiliary motors  
**d) Both (a) & (b)**
33. The purpose of RSI block is (a)  
**a) To convert AC to DC**  
 b) To convert DC to AC  
 c) To generate AC  
 d) To generate DC
34. Battery negative is connected to loco body through (c)  
 a) HQOP    b) HQOA    **c) HOBA**    d) HQCVAR
35. MVMT1/MVMT2 are meant for cooling of (d)  
 a) Armature of TM    b) Field coils of TM    c) Stator of TM    **d) All the above**

36. Shunting contactors are provided in the loco for purpose of (a)  
 a) **Increasing the speed** b) to decrease the speed  
 c) to stabilize the speed d) To stop the train.
37. The speed control method used in tap changer AC locomotive / MEMU (a)  
 a) **Voltage control** b) Current control  
 c) Rheostatic control d) Regenerative control
38. The type of Electric braking system used in AC loco with tap changer is (b)  
 a) Regenerative b) **Rheostatic** c) Both d) None
39. Current is collected from OHE to AC loco through (c)  
 a) Transformer b) Circuit breaker c) **Pantograph** d) Servomotor
40. Taps on auto winding of TFWR are provided for (a)  
 a) **Speed control** b) protection from surges  
 c) shorting of winding d) Avoiding overloading of TFP.
41. QOP relay is used to detect (c)  
 a) Earth fault in auxiliary circuit b) Over current  
 c) **Earth fault in power Circuit** d) Surges
42. For converting AC to DC following equipment is used in locos (c)  
 a) Transformer b) Smoothing reactor c) **Silicon Rectifier** d) DJ
43. Which one of the following is not a safety item (d)  
 a) ACP Unit b) Hand brake c) Head light d) **Corridor light**
44. The maximum rpm of a Hitachi Traction Motor is (a)  
 a) **895** b) 1000 c) 1100 d) 1250
45. MVRH is a (b)  
 a) DC motor b) **3 $\phi$  AC motor** c) Universal motor d) 1 $\phi$  AC motor
46. In Traction Transformer (d)  
 a) A33-A0 is Auto Transformer winding  
 b) A34-A0 is Primary winding  
 c) a0-a1 is Auxiliary winding  
 d) **All are correct**
47. In WAP4 loco, the no. of brake cylinders are (c)  
 a) 8 b) 10 c) **12** d) 16
48. Bolster is used in the following class of locos (c)  
 a) WAG5 b) WAM4 c) **WAP4** d) WAG7

49. MU2B and F1 Selector Valves are used to isolate (b)  
 a) Rear loco  
 b) A9 and SA9 of rear loco  
 c) RSI block in MU operation  
 d) None of the above.
50. Field shunting in loco is done to (c)  
 a) Increase tractive effort  
 b) Increase power of loco  
 c) Increase speed  
 d) both (b) & (c) are correct
51. QLM setting of WAG7 loco is (a)  
 a) 9 amps  
 b) 8 amps  
 c) 7 amps  
 d) 10 amps
52. Noise / vibration level of bearing is measured in (b)  
 a) rB  
 b) dB  
 c) GB  
 d) BD
53. EFDJ coil of DJ in WAG7 loco is (b)  
 a) holding coil  
 b) closing coil  
 c) None  
 d) (a) & (b)
54. Hitachi Traction motor is a (d)  
 a) 4 pole DC motor  
 b) 6 pole AC motor  
 c) 4 pole AC motor  
 d) 6 pole DC motor
55. Opening of the AAL Make VCB is done through (b)  
 a) air pressure  
 b) charged spring  
 c) both (a) & (b)  
 d) none of the above
56. What type of bearing is used in WAG7 loco axle box? (b)  
 a) ball bearing  
 b) roller bearing  
 c) tapered roller bearing  
 d) needle bearing
57. In a failed WAP4 loco, it is found that in TM5 carbon brush was touching (d)  
 to the TM body, which relay would have been operated  
 a) QLM  
 b) QRSI  
 c) QOP1  
 d) QOP2
58. What is the voltage of OHE feeding power to WAG7 loco (a)  
 a) 25 KV AC  
 b) 1500 V DC  
 c) 11 KV AC  
 d) 440 V AC
59. MVRH is provided to cool the (c)  
 a) Traction Motor  
 b) RSI block  
 c) TFP Radiator  
 d) Compressor
60. Loco brake applies \_\_\_\_\_ kg pressure with A9: (a)  
 a) 1.8  
 b) 3.5  
 c) 1.5  
 d) 7.0
61. There are \_\_\_\_\_ nos. of main poles (MP) in a Hitachi TM. (a)  
 a) 6  
 b) 4  
 c) 2  
 d) 12

62. The lubricant used in suspension bearing of a TAO motor is \_\_\_\_\_ (b)  
a) 170-T      **b) SP57**      c) Servo RR3      d) Mineral oil
63. Multi meter is used to measure \_\_\_\_\_ (d)  
a) Voltage only      b) current only      c) resistance only      **d) all of the above**
64. WAG7 loco is using \_\_\_\_\_ Type of bogies (a)  
**a) Flexi coil co-co**      **b) Fabricated co-co**  
c) Tri mounted co-co      d) Any of the above
65. Loco TFP has \_\_\_\_\_ No.s of taps for voltage control (b)  
a) 16      **b) 32**      c) 12      d) depending upon the type of loco
66. What is the ratio of percentage load sharing between center pivot and side bearers in WAG5 loco (a)  
**a) 60:40**      b) 50:50      c) 40:60      d) 70: 30
67. What are the time delays of Q118, Q44 and QTD Relays? (c)  
a) 5 sec, 5 sec, 1 sec  
b) 5 sec, 5 sec, 5 sec  
**c) 5 sec, 0.6 sec, 5 sec**  
d) 1 sec, 0.6 sec, 5 sec
68. Sand is used in locomotives to avoid (b)  
a) Wheel skidding      **b) wheel slipping**      c) brake failure      d) all the above
69. Leakage Test is conducted to find out leakage in (c)  
a) CP      b) MR      **c) BP**      d) both a&b
70. When the DJ of the locomotives opens following pilot lamps will glow  
**a) LSDJ, LSGR, LSB & LSCHBA**  
b) LSDJ, LSGR, LSB & LSP  
c) LSDJ, LSGR, LSB & LSOL  
d) LSDJ & LSGR only
71. When QVMT2 is defective it may give following problem on run. (d)  
a) DJ will not close  
b) DJ will close but immediately open  
c) DJ will close but open after 10.6 secs  
**d) DJ will close but open after 15.6 secs.**
72. LRSI will glow when (b)  
a) Earth fault in rectifier takes place      **b) Tell tale fuse of RSI blows**  
c) When QRSI relay drops      d) None of the above

73. If LSB is glowing, the loco have following problem. (c)  
 a) Brake of the loco is not working  
 b) Brake pipe pressure has dropped to 3.8 Kg/cm<sup>2</sup>  
 c) **CTF and reverser are not in correct position**  
 d) The dynamic braking in loco out of order.
74. When pantograph of a loco comes down suddenly loco may have following trouble (b)  
 a) CCA fuse blown b) **CCPT fuse blown** c) CCDJ fuse blown d) None of the above
75. In WAM4 MCPA pressure not building up (d)  
 a) VESA air leaking b) VEAD air leaking c) IP (E) air leaking  
 d) **DJ oil separator drain cock opened**
76. In MU loco driver experienced rear loco brakes are not applying due to the following trouble (b)  
 a) MU2B leading loco in leading  
 b) **MU2B tailing loco in leading**  
 c) A1 differential cock closed  
 d) SA 9 problem
77. BP pressure dropping suddenly on run, driver will check for below (b)  
 a) SA9 defective b) **Train parted** c) C3WD defective d) All the above
78. Duplex check valve defective in WAP4 loco will result in (d)  
 a) Horn/wiper not working  
 b) Horn/sanders not working  
 c) Horn/FP not working  
 d) **All the above**
79. In WAP4 BP pressure not building up may be due to (a)  
 a) **A9 defective** b) C3W defective c) SA9 defective d) none of the above
80. In WAP4 MR pressure not building up due to  
 a) A8cock closed condition  
 b) Bogie cocks closed condition  
 c) VEAD cock closed  
 d) **None of above**
81. Gear ratio of WAG7 loco is (d)  
 a) 15: 62 b) 21: 58 c) 18: 64 d) **16: 65**
82. Max.starting torque offered by WAG7 loco is (b)  
 a) 44 tonnes b) **42 tonnes** c) 45 tonnes d) 55 tonnes
83. Instrument used to measure contact resistance (c)  
 a) Whetstone bridge b) Multi meter  
 c) **Micro ohmmeter** d) Tongue meter

84. During rheostat braking traction motor works as a (a)  
 a) **Generator**                      b) Converter                      c) Motor                      d) Inverter
85. The relay QOP/QOA is the relay of sensing (a)  
 a) **Voltage**                      b) current                      c) resistance                      d) none
86. Which amongst the following insulation class of material can with stand (c)  
 Highest temperature  
 a) H                      **b) C**                      c) F                      d) B
87. Purpose of sander valve is (d)  
 a) ETTFP                      b) ET 1 & 2                      c) HOM                      **d) None**
88. Contactor used for running AC MCRF is \_\_\_\_\_ (d)  
 a) C 105                      b) C 106                      c) C 107                      **d) C 108**

### 3-Phase Locomotive Objective bits

1. WAG 9 loco is having ..... type of bogie. (c)
 

a. Bo-Bo flexi coil	b. Co-Co Tri mount
c. Co-Co flexi coil	d. Co-Co tetra mount high adhesion
  
2. Three phase loco is having ..... number of roof bars. (b)
 

a. 2	b. 3
c. 4	d. 3+3
  
3. In 3Ø loco, SS 06 belongs to ..... sub system. (a)
 

a. Auxiliary converter No. 1	b. Auxiliary converter No. 2
c. Auxiliary converter No. 3	d. Traction converter No. 1
  
4. In 3Ø loco, to isolate panto No. 1 keep panto selector switch in \_\_\_\_\_ position. (c)
 

a. Auto	b. I
c. II	d. I & II
  
5. In 3Ø loco, to switch on flasher light \_\_\_\_\_ switch to be operated. (b)
 

a. AFL	b. BPFL
c. ZFL	d. Auto brake
  
6. In 3Ø loco, SS 03 belongs to \_\_\_\_\_ sub system. (b)
 

a. Traction bogie 1	b. Traction bogie 2
c. Main power	d. Harmonic filter
  
7. In 3Ø loco, 3Ø scavenging blower collects dust from air filters of \_\_\_\_\_ & \_\_\_\_\_. (d)
 

a. Oil cooling blower	b. Bogie blower
c. Machine room blower	d. Oil cooling blower & Bogie blower
  
8. Parking brake is provided to \_\_\_\_\_ wheels in WAG 9 loco. (b)
 

a. 1, 4, 5 & 8	b. 2, 6, 7 & 11
c. 2 & 11	d. 1, 6, 7 & 12
  
9. In 3Ø loco, SS 01 belongs to \_\_\_\_\_ sub system. (c)
 

a. Traction bogie 1	b. Traction bogie 2
c. Main power	d. Harmonic filter
  
10. In 3Ø loco, Loco grounding key is \_\_\_\_\_ (HOM operates with \_\_\_\_\_ key) (c)
 

a. Solenoid valve No. 30	b. IG 68
c. IG 38	d. E 70
  
11. In 3Ø loco, for charging of BP pressure \_\_\_\_\_ COC to be kept open. (b)
 

a. A 8 COC	b. 70 COC
c. 74 COC	d. 47 COC



12. In 3Ø loco, If ZBAN is switched ON in working cab, \_\_\_\_\_ happens. (a)  
**a. BP pressure drops to 'O'** b. FP pressure drops to 'O'  
 c. BC pressure raises to 3.5 kg/cm<sup>2</sup> d. None of the above
13. In WAG 9, maximum brake cylinder pressure with direct brake is \_\_\_\_\_ (d)  
 a. 1.8 kg/cm<sup>2</sup> b. 2.5 kg/cm<sup>2</sup>  
 c. 5 kg/cm<sup>2</sup> **d. 3.5 kg/cm<sup>2</sup>**
14. In 3Ø loco, SS 02 belongs to \_\_\_\_\_ sub system. (a)  
**a. Traction bogie 1** b. Traction bogie 2  
 c. Main power d. Harmonic filter
15. Three phase loco is having \_\_\_\_\_ No. of three phase auxiliary motors. (c)  
 a. 16 b. 22  
**c. 12** d. 13
16. In 3Ø loco, In case of emergency, ALP can stop the train by operating \_\_\_\_\_ (b)  
 a. Emergency stop switch **b. Emergency brake valve**  
 c. BPVG d. Emergency stop switch or Emergency brake valve
17. Procedure for quick charging of BP pressure in 3Ø loco is \_\_\_\_\_ (b)  
 a. Press BPVG **b. Keep A9 in release position**  
 c. Press PVEF d. Press 'Emergency stop' switch
18. The position of mode switch in leading cab of 3Ø loco provided with Knorr brake is \_\_\_\_ (b)  
 a. HLPR **b. Lead**  
 c. Trail d. Test
19. In 3Ø loco, Machine room blowers & their scavenging blowers works in \_\_\_\_ Mode(s). (d)  
 a. Driving mode only b. Cooling mode only  
 c. Off **d. Driving mode & Cooling mode**
20. In 3Ø loco, normal position of 152 switch is \_\_\_\_\_ (a)  
**a. '0'** b. '1'  
 c. 'Norm' d. None of the above
21. In 3Ø loco, positions of 154 Switch are \_\_\_\_\_ (b)  
 a. I, II **b. Norm, I, II and I & II**  
 c. Norm d. 0 & 1
22. In 3Ø loco, SS 04 belongs to \_\_\_\_\_ sub system. (d)  
 a. Traction bogie 1 b. Traction bogie 2  
 c. Main power **d. Harmonic filter**

23. WAG 9 loco having \_\_\_\_\_ number of dampers in primary suspension. (a)  
 a. 8 b. 4  
 c. 64 d. 40
24. In 3Ø loco, SS 08 belongs to \_\_\_\_\_ sub system. (c)  
 a. Auxiliary converter No. 1 b. Auxiliary converter No. 2  
 c. Auxiliary converter No. 3 d. Battery
25. In 3Ø loco provided with Knorr brake, Auto brake valve (A9) handle can be locked or unlocked in \_\_\_\_\_ position. (c)  
 a. Emergency b. Neutral  
 c. Full service d. Minimum reduction
26. Three phase loco having ..... number of additional COCs ( total coc on both sides). (b)  
 a. 4 b. 8  
 c. 16 d. 2
27. In WAG 9 or WAP 7, location of air dryer is \_\_\_\_\_. (c)  
 a. Behind MCP 1 in left side b. Between two trucks  
 c. Behind cattle guard 1 loco pilot side d. Behind cattle guard 1 in ALP side
28. In 3Ø loco, SS 05 belongs to \_\_\_\_\_ sub system. (b)  
 a. Harmonic filter b. Hotel load  
 c. Battery d. Batteries
29. WAG 9 loco is provided with \_\_\_\_\_ No. of direct brake cylinders and \_\_\_\_\_ no. of parking brake cylinders. (a)  
 a. 12 & 4 b. 12 & 12  
 c. 4 & 12 d. 12 & 6
30. 3 phase loco is fitted with \_\_\_\_\_ type of traction motors. (a)  
 a. 3 Ø AC Asynchronous squirrel cage induction motor b. TAO 659  
 c. Hitachi d. Hitachi or TAO 659
31. When three phase loco is attached as dead and if parking brakes are released manually, parking brake pressure gauge shows \_\_\_\_\_ kg/cm<sup>2</sup>. (a)  
 a. 0 Kg/cm<sup>2</sup> b. 4 Kg/cm<sup>2</sup>  
 c. 5 Kg/cm<sup>2</sup> d. 6 Kg/cm<sup>2</sup>
32. In 3Ø loco, Continuous glowing of LSFI indicates \_\_\_\_\_. (b)  
 a. Priority 1 fault b. At least one sub system is isolated  
 c. Priority 2 fault d. Priority 1 fault or Priority 2 fault
33. In 3Ø loco, position of control Electronics (CE) during cab changing is \_\_\_\_\_. (c)  
 a. OFF b. ON  
 c. Self hold mode d. None of the above

34. In 3Ø loco, location of BPFL switch is \_\_\_\_\_ (d)  
 a. FLCU b. In both cabs Panel A  
 c. In both cabs Panel B d. In both cabs Panel C
35. In 3Ø loco, during self hold mode, CE will remain in ON for ..... minutes. (b)  
 a. 15 b. 10  
 c. 20 d. Will not switch OFF
36. To move 3 Ø loco as live or dead ensure \_\_\_\_\_ & \_\_\_\_\_ brakes are released. (c)  
 a. Parking brakes, proportional b. Direct brakes, proportional  
 c. Parking , Direct brakes d. None of the above
37. In 3Ø loco, if Throttle (ATDC) is failed, keep \_\_\_\_\_ switch in \_\_\_\_\_ position. (b)  
 a. 154 , 0 b. 152 , 1  
 c. 152 , 0 d. 160 , 1
38. In 3Ø loco, when parking brakes are applied, parking brake gauge shows \_\_\_\_\_ (a)  
 a. 0 Kg/cm<sup>2</sup> b. 4 Kg/cm<sup>2</sup>  
 c. 3.5 Kg/cm<sup>2</sup> d. 6 Kg/cm<sup>2</sup>
39. In 3Ø loco provided with Knorr brake, when it is attached as banker, keep mode switch in \_\_\_\_\_ position. (a)  
 a. HLPR b. Lead  
 c. Trail d. Test
40. In 3Ø loco, SS 15 belongs to \_\_\_\_\_ sub system. (b)  
 a. Cab 2 b. Fire detection  
 c. Memotel (Speedometer) d. Processor FLG1
41. Location of Emergency stop push button switch in three Ø loco is \_\_\_\_\_ (a)  
 a. In both cabs Panel A b. In both cabs Panel B  
 c. In both cabs Panel C d. In both cabs Panel D
42. WAP 7 locos having \_\_\_\_\_ number of dampers in primary suspension. (a)  
 a. 8 b. 12  
 c. 16 d. 20
43. WAP 5 loco is provided with \_\_\_\_\_ No. of direct brake cylinders and \_\_\_\_\_ no. of parking brake cylinders. (a)  
 a. 8 & 4 b. 12 & 12  
 c. 4 & 8 d. 12 & 6
44. WAG 9 or WAP 7 locos are having \_\_\_\_\_ Number of dampers (in both primary and secondary suspension). (b)  
 a. 16. b. 20  
 c. 40. d. 10.

45. Three phase loco is having \_\_\_\_\_ number of auxiliary converter(s). (c)  
a. 1 b. 2  
**c. 3** d. 4
46. In 3Ø loco, when harmonic filter is isolated, speed of the train is restricted to \_\_\_\_\_ (b)  
a. 60 Kmph. **b. 40 Kmph.**  
c. 25 Kmph. d. No such restriction
47. WAP 5 loco is having \_\_\_\_\_ type of bogie. (a)  
**a. Bo-Bo flexi coil** b. Co-Co Tri mount  
c. Co-Co flexi coil d. Co-Co tetra mount high adhesion
48. To raise the pantograph in 3Ø loco, ensure \_\_\_\_\_ node information (a)  
(in driving mode) on screen.  
**a. FLG 504** b. FLG 550  
c. FLG 570 d. FLG 590
49. In modified WAP 7 loco, \_\_\_\_\_ Wheels are having parking brakes facility. (a)  
**a. 2, 6, 7 & 11** b. 2 & 11  
c. 1, 4, 5 & 8 d. 6 & 7
50. Three Ø loco having ..... No. of 3 phase auxiliary motors in loco under frame. (b)  
a. 2 **b. 4**  
c. 12 d. 8
51. In 3Ø loco, location of Bogie blower No. 2 is \_\_\_\_\_ (a)  
**a. Machine room No. 1 (near cab-2)** b. Machine room No. 2( near cab1)  
c. Under machine room No. 1 d. Under machine room No. 2
52. If RS pressure is below 5.2 Kg/cm<sup>2</sup> and MCPs are not working, MCPA starts automatically provided BL key is in \_\_\_\_\_ position. (c)  
a. "C" b. "D"  
**c. "C" or "D"** d. None of the above
53. In 3Ø loco from Cab 1, if both side head lights are not working check \_\_\_\_\_ MCB in SB1 panel. (a)  
**a. 310.1/1.** b. 310.1/3 .  
c. 310.1/2. d. 112.1 .
54. In 3Ø loco before operating throttle, ensure \_\_\_\_\_ node information on screen. (d)  
a. FLG 504 b. FLG 550  
c. FLG 570 **d. FLG 590**
55. WAG 9 loco having \_\_\_\_\_ number of helical springs in primary suspension. (d)  
a. 8 b. 16  
c. 4 **d. 32**

56. In 3Ø loco, loco grounding switch is \_\_\_\_\_ (a)  
 a. HOM b. BL key  
 c. Blue KABA key (IG 38) d. HPT
57. In 3Ø loco, location of MCP 1 is \_\_\_\_\_ (d)  
 a. In machine room No. 1 b. In machine room No. 2  
 c. Below machine room No. 2 d. Below machine room No. 1
58. In 3Ø loco, Oil cooling blower cools \_\_\_\_\_ & \_\_\_\_\_ oils (c)  
 a. SR-1 , SR2 b. TFP-1 , TFP2  
 c. TFP oil & SR oil d. Traction motors
59. In 3Ø loco, to isolate truck No. 1 (traction converter-1), keep \_\_\_\_\_ switch in \_\_\_\_\_ position. (a)  
 a. 154 , I position b. 154 , II position  
 c. 154 , Auto position d. 154 , I & II position
60. In 3Ø loco, if battery voltage drops to ..... volts for 30 seconds, P2 message appears. (a)  
 a. 92 Volts b. 82 Volts  
 c. 90 Volts d. 85 Volts
61. In 3Ø loco, for application of parking brakes speed should be below (a)  
 a. 5 Kmph b. 15 Kmph  
 c. 1.5 Kmph d. Zero Kmph
62. In 3Ø loco, SS 16 belongs to \_\_\_\_\_ sub system. (c)  
 a. Cab 2 b. Fire detection  
 c. Memotel (Speedometer) d. Processor FLG1
63. In proportional working, maximum brake cylinder pressure in WAG 9 loco is \_\_\_\_\_ (b)  
 a. 1.8 kg/cm<sup>2</sup> b. 2.5 kg/cm<sup>2</sup>  
 c. 3.5 kg/cm<sup>2</sup> d. 5 kg/cm<sup>2</sup>
64. In 3Ø loco, normal position of panto selector switch is \_\_\_\_\_ (d)  
 a. Norm b. I  
 c. II d. Auto
65. In 3Ø loco, location of Fire detection unit (FDU) is \_\_\_\_\_ (b)  
 a. SB 1 b. SB 2  
 c. HB 2 d. Panel 'C'
66. In 3Ø loco, between two operations of PSA pressing for sanders, \_\_\_\_\_ time gap is required. (b)  
 a. 10 to 12 Minutes b. 10 to 12 Seconds  
 c. 12 to 15 Seconds d. 30 Seconds

67. In WAP 5 loco, \_\_\_\_\_ wheels are having Parking brake facility. (c)  
a. 2, 6, 7 & 11                                      b. 2 & 11  
c. **1, 4, 5 & 8**                                         d. 6 & 7
68. Battery voltage in three phase loco should be above \_\_\_\_\_ Volts (c)  
a. 85    b. 90  
c. **92**    d. 110
69. Three phase loco is having \_\_\_\_\_ number of battery boxes. (a)  
a. **2**    b. 4  
c. 6    d. 32
70. Three  $\emptyset$  loco having \_\_\_\_\_ number of single phase auxiliary motors. (b)  
a. 12    b. **4**  
c. 8    d. 13
71. In 3 $\emptyset$  loco, to operate reverser ensure \_\_\_\_\_ node information on screen  
and MR pressure should be more than 6.4 kg/cm<sup>2</sup>. (c)  
a. FLG 504    b. FLG 550  
c. **FLG 570**    d. FLG 590
72. In 3 $\emptyset$  loco, battery charger input MCB No. is \_\_\_\_\_ and located in \_\_\_\_\_ (b)  
a. 100 , HB-1                                         b. **100 , HB-2**  
c. 112.1 , SB-2                                        d. 112 , SB-1
73. In 3 $\emptyset$  loco, if speed is more than \_\_\_\_\_ % than loco MPS, only audio visual  
indications will appear. (b)  
a. 0.5%     b. **5%**  
c. 15%     d. 50%
74. Over current relay in three  $\emptyset$  loco is \_\_\_\_\_ (c)  
a. OCR 86          b. MVR 86  
c. **OCR 78**          d. None of the above
75. In 3 $\emptyset$  loco, to switch OFF control electronics procedure of operating BL key is \_\_\_\_\_ (c)  
a. "D" to "OFF" wait for 2 to 4 seconds      b. "OFF" to "C" wait for 2 to 4 seconds  
c. **"C" to "OFF"**                                     d. All the above
76. In 3 $\emptyset$  loco, SS 18 belongs to \_\_\_\_\_ sub system. (d)  
a. Fire detection                                      b. Memotel  
c. Processor FLG 1                                    d. **Processor FLG 2**
77. In 3 $\emptyset$  loco, for cooling mode procedure of operating BL key is \_\_\_\_\_ (b)  
a. "D" to "OFF" wait for 2 to 4 seconds      b. **"OFF" to "C" wait for 2 to 4 seconds**  
c. "C" to "OFF" then to "C" again            d. All the above
78. In 3 $\emptyset$  loco, normal position of ZTEL switch is \_\_\_\_\_ (b)  
a. ON     b. **OFF**  
c. 'Norm'    d. Zero

79. In 3Ø loco, to close the DJ, ensure \_\_\_\_\_ node information on screen (in driving mode). (b)  
a. FLG 504 **b. FLG 550**  
c. FLG 570 **d. FLG 590**
80. When ZTEL is switched ON Tractive Effort( TE) is limited to \_\_\_\_\_ kN in WAG 9. (b)  
a. 0.8 to 1.5 KN **b. 300 KN**  
c. 150 KN **d. 458 KN**
81. In 3Ø loco, to isolate panto No. 2 keep panto selector switch in \_\_\_\_\_ position and close \_\_\_\_\_ coc. (c)  
a. Auto , PAN 1 & 2 **b. II , PAN 1**  
**c. I , PAN 2** **d. I & II, PAN 1 or 2**
82. Maximum permissible speed of WAP 5 loco is \_\_\_\_\_ Kmph. (d)  
a. 100 **b. 130**  
c. 140 **d. 160**
83. In 3Ø loco, from cab 2, if both side head lights are not working check MCB No. \_\_\_\_\_ in SB2 panel. (d)  
a. 310.1/1 **b. 310.1/3**  
c. 310.1/4 **d. 310.1/2**
84. In 3Ø dead loco, \_\_\_\_\_ COC should be open for charging BP pressure into auxiliary reservoir. (b)  
a. 70 COC **b. 47 COC**  
c. 74 COC **d. 136 COC**
85. While 3Ø loco working as banker, put on \_\_\_\_\_ Switch and close 70 cut out cock in pneumatic panel. (b)  
a. ZTEL **b. ZBAN**  
c. BLHO **d. None of the above**
86. For resetting VCD in WAG 9 or WAP 7 loco, Wait for \_\_\_\_\_ Seconds (d)  
a. 120 **b. 100**  
c. 240 **d. 160**
87. Location of MCP 2 in three Ø loco is \_\_\_\_\_ (b)  
a. Loco left side below Machine room No. 1 **b. Loco right side below Machine room No. 2**  
c. Machine room No. 1 **d. Machine room No. 2**
88. In 3Ø loco, SS 17 belongs to \_\_\_\_\_ sub system. (c)  
a. Fire detection **b. Memotel**  
**c. Processor FLG 1** **d. Processor FLG 2**

89. Before performing shunting with 3Ø loco, keep \_\_\_\_\_ switch in \_\_\_\_\_ position. (c)  
a. 154 ; 0  
b. 154 ; 1  
c. 160 ; 0  
d. 160 ; 1
90. While working with WAP 7 or WAG 9 with light load, if Harmonic filter is isolated, work with normal speed after isolating \_\_\_\_\_. (d)  
a. Auxiliary converter-1  
b. Traction converter-1 & 2  
c. Auxiliary converter-2  
d. Traction converter-1
91. In 3Ø loco, to isolate VCD, keep \_\_\_\_\_ switch in \_\_\_\_\_ position. (d)  
a. 154 , 1  
b. 154 , O  
c. 237.1 , 1  
d. 237.1 , 0
92. In 3Ø loco, Battery charger gets supply from \_\_\_\_\_. (c)  
a. Auxiliary converter No. 1  
b. Auxiliary converter No. 2  
c. Auxiliary converter No. 3  
d. Traction converter No. 1
93. In 3Ø loco, if battery voltage drops below \_\_\_\_\_ volts, loco will shut down. (a)  
a. 82 Volts  
b. 87 Volts  
c. 90 Volts  
d. 92 Volts
94. In 3Ø loco, Battery charger output MCB No. is \_\_\_\_\_ and its location is at \_\_\_\_\_. (b)  
a. 110 ; SB 1  
b. 110 ; SB 2  
c. 100 ; HB 1  
d. 100 ; HB 2
95. In 3 phase locos, normal position of direct brake handle (SA9) in rear cab is \_\_\_\_\_. (b)  
a. Apply  
b. Release  
c. FS & Locked  
d. None of the above
96. In 3Ø loco, VCD is required to acknowledge from \_\_\_\_\_ kmph of speed onwards. (c)  
a. 5  
b. 1  
c. 1.5  
d. 15
97. In 3 phase locos, when parking brakes are released PB gauge shows \_\_\_\_\_ Kg/cm<sup>2</sup> (c)  
a. 5  
b. 0  
c. 6  
d. 3.5
98. During loco brake testing WAG 9 or WAP7 loco should not to move up to \_\_\_\_\_ KN. (b)  
a. 100  
b. 150  
c. 300  
d. 125
99. In 3Ø loco, continuous pressing of PSA for more than 60 seconds is called as \_\_\_\_\_ mode. (b)  
a. VCD isolation  
b. Dead man  
c. VCD acknowledgement  
d. None of the above



100. In 3Ø loco, Constant speed control (CSC) can be activated above \_\_\_\_\_ kmph of speed.

a. 5

b. 1

c. 1.5

d. 1

(a)

## RAJBHASHA QUESTION BANK FOR DEPARTMENTAL EXAMINATIONS

01. What is the Official Language of Union of India? (c)  
a. Hindi in Roman Script  
b. Hindi in Telugu Script  
c. **Hindi in Devnagari Script**  
d. Hindi in Dogri Script
02. When was Official Language Act 1963 passed? (d)  
a. 10.01.1963  
b. 10.09.1963  
c. 10.08.1963  
d. **10.05.1963**
03. When was Official Language Act 1963 amended? (b)  
a. 1966  
b. **1967**  
c. 1964  
d. 1965
04. How many sections are there in Official Language Act? (d)  
a. 6  
b. 7  
c. 8  
d. **9**
05. What are the three regions classified under Official Language Rules? (a)  
a. **A, B & C Regions**  
b. D, E & F Regions  
c. 1, 2 & 3 Regions  
d. X, Y & Z Regions
06. When is 'Hindi Day' celebrated every year? (d)  
a. 14th June  
b. 14th November  
c. 14th December  
d. **14th September**
07. According to the official language rule, Andaman and Nicobar Islands comes under? (a)  
a. **Region 'A'**  
b. Region 'B'  
c. Region 'C'  
d. Region 'D'
08. Which is the only Union Territory classified under Region 'B'? (b)  
a. Andaman & Nicobar  
b. **Chandigarh**  
c. Jammu and Kashmir  
d. Puduchery
09. What is the Act passed to give legal form to the assurances given to Non-Hindi speaking people? (b)  
a. O.L.Act (Amended) 1965  
b. **O.L.Act (Amended) 1967**  
c. O.L.Act (Amended) 1964  
d. O.L.Act (Amended) 1963
10. With which section IV of Official Languages Act 1963 is concerned? (b)  
a. Constitution of Official Language Implementation Committee  
b. **Constitution of Parliamentary Committee on Official Language**  
c. Constitution of Official Language Implementation Sub-Committee  
d. Constitution of Sub-Committee of Parliamentary Committee on Official Language



21. Who was the First Chairman of the Official Language Commission? (c)  
a. Sardar Vallabh bhai Patel  
b. Pandit Jawaharlal Nehru  
c. **B.G. Kher**  
d. G.B. Panth
22. Who was the First Chairman of the committee which was formed on the recommendation of the Official Language commission? (d)  
a. Sardar Vallabh bhai Patel  
b. Pandit Jawaharlal Nehru  
c. B.G. Kher  
d. **G.B. Panth**
23. As per the Constitution of India, who is translating the statutory rules, regulations and orders? (c)  
a. Ministry of Defence  
b. Ministry of Home Affairs  
c. **Ministry of Law**  
d. Ministry of Railways
24. Which rule of Official Language mentions about the Working knowledge of the Officer/Employee? (b)  
a. Rule-9 of Official Language Rule 1976  
b. **Rule-10 of Official Language Rule 1976**  
c. Rule-11 of Official Language Rule 1976  
d. Rule-12 of Official Language Rule 1976
25. Which article of Rajbhasha comes under Part VI of Indian Constitution? (d)  
a. Article 345  
b. Article 120  
c. Article 354  
d. **Article 210**
26. Who was the Chairman of the Parliamentary Committee on Official Language constituted in the year 1976? (a)  
a. **Minister Shri OM Mehta**  
b. The then Defence Minister Shri Bansi Lal  
c. The then Education Minister Pro.Nurul Hasan  
d. The then Prime Minister Smt.Indira Gandhi
27. Which committee of the Parliamentary Committee on OL prepares the draft? (d)  
a. First Sub-Committee  
b. Second Sub-Committee  
c. Third Sub-Committee  
d. **Drafting & Evidence Sub-Committee**
28. In which year the Hindi translation of Railway Budget was prepared and who was the Railway Minister? (c)  
a. Shri Gopal Swami Ayyangar  
b. Shri John Mathai  
c. **Shri Lal Bahdur Shastri**  
d. Shri Jagjeevan Ram
29. In which year Hindi Section was established in Railway Board? (d)  
a. 1949  
b. 1952  
c. 1956  
d. **1960**

30. What is the scheme implemented by Railway Board for doing official work in Hindi? (a)  
 a. Rajbhasha individual Cash Award Scheme      b. Rajbhasha Group Cash Award Scheme  
 c. Rajbhasha Karmaveer      d. Man of the Month
31. What is the expansion for OLIC used by Dept. of Official Language? (c)  
 a. Official Language Imaginary Committee  
 b. Official Language Improvement Committee  
 c. **Official Language Implementation Committee**  
 d. Official Language Individual Committee
32. How many Hindi courses are prescribed for Central Govt. Employees? (d)  
 a. 1      b. 2  
 c. 3      d. **4**
33. Which is the elementary Hindi course prescribed for Central Govt. Employee? (b)  
 a. Parangat      b. **Prabodh**  
 c. Pragya      d. Praveen
34. Which is the recently introduced Hindi course prescribed for Central Govt. Employee? (a)  
 a. **Parangat**      b. Prabodh  
 c. Pragya      d. Praveen
35. Which is the highest committee in connection with the implementation of OL? (a)  
 a. **Central Hindi Committee**      b. OL Implementation Committee  
 c. Hindi Salahkar Samiti      d. OL Implementation Sub-Committee
36. Who is the Chairman of Central Hindi Committee? (b)  
 a. President      b. **Prime Minister**  
 c. Vice President      d. Home Minister
37. How many members are there in the Committee of Parliamentary on Official Language? (c)  
 a. 10      b. 20  
 c. **30**      d. 40
38. At present, how many Sub-Committees are there in the Parliamentary Committee on Official Language? (c)  
 a. 1      b. 2  
 c. **3**      d. 4
39. Who is the Chairman of the Town Official Language Implementation Committee constituted in major cities? (d)  
 a. Director, AIR      b. Commissioner of the city  
 c. DRM      d. **Senior most Central Govt. Officer of the city**

40. Who prepares the Annual Programme on Official Language? (b)  
 a. Ministry of Railways  
 b. **Ministry of Home Affairs**  
 c. Defence Ministry  
 d. Cultural Ministry
41. What are the Hindi courses prescribed for Central Govt. Employees? (b)  
 a. Prathamik, Madhyamik, Rashtrabhasha and Praveshika  
 b. **Prabodh, Praveen, Pragya & Parangat**  
 c. Prabodh, Praveen, Pragya  
 d. Pravesha, Nishnat and Parangat
42. Which is the final Hindi course prescribed for Clerical cadre employees of Central Govt.? (d)  
 a. Prabodh  
 b. Pragya  
 c. Praveen  
 d. **Parangat**
43. How many times the Regular Hindi exams are conducted in a year ? (c)  
 a. Three times  
 b. Four times  
 c. **Two times**  
 d. one time
44. When do the Regular Hindi exams are conducted in a year? (b)  
 a. January and June  
 b. **May and November**  
 c. June and December  
 d. April and October
45. Who are eligible to be trained in the Hindi courses? (a)  
 a. **All the Central Govt. employees in Class III and above officials**  
 b. All the Officers and staff working in Central Govt.  
 c. Only Class IV staff of Central Govt.  
 d. All the clerical staff of Central Govt.
46. Name the newly introduced course in Hindi by Hindi Teaching Scheme ? (d)  
 a. Prabodh  
 b. Pragya  
 c. Praveen  
 d. **Parangat**
47. In which order Name, Designation and Sign Boards are to be exhibited? (c)  
 a. 1. Hindi 2. Regional Language 3. English  
 b. 1. English 2. Regional Language 3. Hindi  
 c. **1. Regional Language 2. Hindi 3. English**  
 d. 1. Hindi 2. English 3. Regional Language
48. How many Officers/Employees of each Railway are awarded every year under Railway Board's Rajbhasha individual Cash Award Scheme? (c)  
 a. 6  
 b. 7  
 c. **8**  
 d. 9

49. How many first prizes are given in a year for writing more than 10,000 words in one unit under Home Ministry's Award Scheme? (b)
- a. 1 b. 2  
c. 3 d. 4
49. How many third prizes are given in a year for writing more than 10,000 words in one unit under Home Ministry's Award Scheme? (a)
- a. 5 b. 6  
c. 7 d. 8
50. In which order the forms used by Public are to be prepared? (d)
- a. Form (Regional Language & Hindi)  
b. Bilingual Form (Hindi & English)  
c. Only in English  
d. Trilingual Form (Regional Language 2. Hindi 3. English)
51. Which Foreign Language is included in the Eighth Schedule? (a)
- a. Nepali b. English  
c. Japanese d. Chinese
52. Who is the Chairman of the Divisional Official Language Implementation Committee? (d)
- a. Divisional RBA b. AMRA  
c. Sr.DPO d. DRM
53. Who is the Chairman of the Zonal Official Language Implementation Committee? (a)
- a. GM b. AGM  
c. SDGM d. DGM/OL
54. Who is the Chairman of the Workshop Official Language Implementation Committee? (b)
- a. Senior Translator b. CWM  
c. Dy.CME d. Dy.MRA
55. Who are eligible for Lumpsum Award? (d)
- a. Those employees who pass Hindi exams by attending regular classes.  
b. Those employees who pass Hindi exams through intensive study.  
c. Those employees who pass Hindi exams through Correspondence Course.  
d. Those employees who pass Hindi exams by private efforts.
56. Who is the Chairman of Town Official Language Implementation Committee (Central Govt. Offices) / Vijayawada ? (c)
- a. CPMG of Vijayawada b. Airport Director of Vijayawada (Gannavaram)  
c. DRM of Vijayawada d. AMRA & ADRM of Vijayawada

57. Who are eligible to undergo training in Hindi Conversation course? (b)
- All Officers and staff
  - All open line staff who come in contact directly with public.
  - All open line staff who don't come in contact directly with public.
  - All Group-D staff
58. What is the duration for Hindi Conversation course? (a)
- 30 hours
  - 60 hours
  - 90 hours
  - 120 hours
59. Who are eligible to undergo training in Hindi Workshop? (a)
- All Class-III and Gazetted staff who have working knowledge/proficiency in Hindi.
  - All the Officers and employees
  - All Open line staff
  - All Group-D staff
60. Mention the name of Rajbhasha Padak awarded to General Managers or Higher Officials? (a)
- Kamalapati Tripathi Rajbhasha Swarna Padak.
  - Premchand Rajbhasha Swarna Padak.
  - Prasad Rajbhasha Swarna Padak.
  - Prasad Dwivedi Rajbhasha Swarna Padak.
61. Railmantri Rajbhasha Rajat Padak is awarded to how many Officers every year? (a)
- 30
  - 50
  - 60
  - 100
62. Mention the name of Rajbhasha Padak awarded to Sr.Administrative Grade or Higher Officials? (d)
- Rail Mantri Rajbhasha Kaansya Padak
  - Rail Mantri Rajbhasha Swarna Padak
  - Rail Mantri Rajbhasha Padak
  - Rail Mantri Rajbhasha Rajat Padak
63. Mention the name of the award to be given for writing original Hindi books on technical subject by Railway Board.? (b)
- Mahatma Gandhi Award
  - Lal Bahadur Shastri Award
  - Premchand Award
  - Maithilisharan Gupt Award
64. Mention the name of the Award to be given for writing story/novel writing in Hindi by Railway Board? (c)
- Mahatma Gandhi Award
  - Lal Bahadur Shastri Award
  - Premchand Award
  - Maithilisharan Gupt Award
64. Mention the name of the Award to be given for writing the book of Hindi poems, by the Railway Board. (d)
- Mahatma Gandhi Award
  - Lal Bahadur Shastri Award
  - Premchand Award
  - Maithilisharan Gupt Award



65. How many prizes are awarded under Rajbhasha Individual Cash Award Scheme? (b)  
 a. 67 b. **134**  
 c. 34 d. 268
66. How many prizes are given under All India Railway Hindi Elocution Competition? (d)  
 a. Total 5 Prizes (1+1+1+2) b. Total 6 Prizes (1+1+1+3)  
 c. Total 7 Prizes (1+1+1+4) d. **Total 8 Prizes (1+1+1+5)**
67. How many prizes are given in Zonal level Hindi Elocution Competition? (b)  
 a. Total 5 Prizes (1+1+1+2) b. **Total 6 Prizes (1+1+1+3)**  
 c. Total 7 Prizes (1+1+1+4) d. Total 8 Prizes (1+1+1+5)
68. How many prizes are given under Railway Minister Hindi Essay Competition? (b)  
 a. 1 for Gazetted and 1 for Non Gazetted b. **2 for Gazetted and 2 for Non Gazetted**  
 c. 3 for Gazetted and 3 for Non Gazetted d. 4 for Gazetted and 4 for Non Gazetted
69. What are the languages included in 8th Schedule of the Constitution under the 71st Amendment on 31.08.1992? (c)  
 a. Sindhi, Konkani, and Manipuri (Maithili) b. Sindhi, Konkani and Nepalese  
 c. **Konkani, Manipuri (Maithili) and Nepalese** d. Sindhi, Manipuri (Maithili) and Nepalese
70. Official Language rules of 1976 are not applicable on which state of India? (c)  
 a. Telangana b. Tripura  
 c. **Tamilnaadu** d. Jammu and Kashmir
71. Central Government Offices shall be notified under which O.L. Rule? (d)  
 a. Rule 5(4) b. Rule 6(4)  
 c. Rule 8(4) d. **Rule 10(4)**
72. Under which rule the sections are nominated for cent percent work in Hindi in the notified offices? (c)  
 a. Rule 5(4) b. Rule 6(4)  
 c. **Rule 8(4)** d. Rule 10(4)
73. Name the Rail Mantri Rajbhasha Shield/Trophy awarded to Head of Office of Zonal Railways? (b)  
 a. Adarsh Office b. **Adarsh Rail**  
 c. Adarsh Department d. Adarsh Section
74. What is the first prize given to the Division located in the 'C' region by the Official Language Department, Ministry of Railways? (c)  
 a. Rail Mantri Shield b. Rail Mantri Rajbhasha Shield  
 c. **Rail Mantri Rajbhasha Rolling Shield** d. Rail Mantri Rajbhasha Rolling Trophy

75. What is the second prize given to the Division located in the 'C' region by the Official Language Department, Ministry of Railways? (d)
- a. Rail Mantri Shield  
b. Rail Mantri Rajbhasha Shield  
c. Rail Mantri Rajbhasha Rolling Shield  
d. **Rail Mantri Rajbhasha Rolling Trophy**
76. How many prizes are given under Collective Cash Award Scheme? (a)
- a. **Total 16 Prizes (6+5+5)**  
b. Total 12 Prizes (4+4+4)  
c. Total 16 Prizes (5+5+6)  
d. Total 15 Prizes (5+5+5)
77. How many Awards related to the different categories of drama are given in All India Hindi Drama Competition? (c)
- a. 5  
b. 10  
c. **15**  
d. 20
78. As per the Annual Programme, what is target fixed for the 'C' Region for the original Correspondence (Including E-Mail) for the use of Official Language? (a)
- a. **55%**  
b. 50%  
c. 45%  
d. 40%
79. As per the Annual Programme, what is target fixed for the 'C' Region for the Notings in Hindi for the use of Official Language? (d)
- a. 45%  
b. 35%  
c. 40%  
d. **30%**
80. Who is the Chairman of Rail Hindi Salahkar Committee? (c)
- a. Minister of Railways state  
b. Director, Rajbhasha  
c. **Hon'ble Minister of Railways**  
d. CEO, Railway Board
81. How many states come under Regions 'A'? (d)
- a. 11  
b. 17  
c. 18  
d. **09**
82. How many states come under Regions 'B'? (a)
- a. **03**  
b. 07  
c. 04  
d. 06
83. Which one of the following languages is not included in the Eighth Schedule of the Constitution, where as it is the official language of a state? (c)
- a. Urdu  
b. Sindhi  
c. **English**  
d. Sanskrit
84. Which of the following language was added to the Eighth Schedule of the Constitution by the 21st Constitutional Amendment? (a)
- a. **Sindhi**  
b. Panjabi  
c. Sanskrit  
d. Konkani

85. On which date did the central government made the Official Language Rules-1976? (c)  
a. 17.07.1976 b. 26.01.1976  
c. 28.06.1976 d. 14.09.1976
86. Since when was the Union Territory of Daman and Dweep and Dadar and Nagar Haveli been added to 'B' region from 'C' region? (a)  
a. 23.05.2011 b. 23.05.2010  
c. 23.05.2012 d. 23.05.2013
87. Under which article of the constitution Hindi has been given status as an official language? (d)  
a. 347(1) b. 346(1)  
c. 345(1) d. 343(1)
88. Which is recognized by the Constitution as the official language of the Indian Union? (a)  
a. Hindi b. English  
c. Sanskrit d. Sindhi

### ESTABLISHMENT ON PERSONAL MATTERS

- 01 The amount of maintenance grants to be granted per month (on SBF) to All Gr."C" & "D" employees irrespective of their pay and nature of disease, subject to the sickness in Govt./Rly Hospital exceeding 15 days on LWP: (a)  
a. **Rs. 3000/-** b. Rs. 1000/- c. Rs. 5000/- d. None of the above
- 02 The amount of Medical assistance to be granted per month(max. 3 months) under SBF to all All Gr."C" & "D" employees who themselves/their family members suffer from major diseases and chronic diseases involving major operations, on recommendation by Rly. medical authorities. (a)  
a. **Rs. 2000/-** b. Rs. 3000/- c. Rs. 1000/- d. None of the above
- 03 Non-gazetted cadre in pay matrix level 6 and above are eligible for duty pass travel in. (a)  
a. **First class** b. First class A c. Both a & b d. None of the above
- 04 In NPS system the contribution by the central government shall be (b)  
a. 10 % basic pay plus DA b. **14% basic pay plus DA** c. 14% basic pay d. 10% basic pay
- 05 Persons with disability may be granted Special CL for period of \_\_\_\_\_ per calendar year. (c)  
a. 10 days b. 11 days c. **4 days** d. 3 days
- 06 CCL may not be granted less than \_\_\_\_\_ days at a time. (d)  
a. 2 days b. 3 days c. 4 days d. **5 days**
- 07 Bungalow peon is classified under (c)  
a. Intensive r b. Continuous c. **EI** d. None of the above
- 08 Standard hours for Intensive employment (a)  
a. **42hrs/week** b. 48 hrs/week c. 45 hrs/week d. None of the above
- 09 The classification of \_\_\_\_\_ employments is defined in Section 130 (a) (a)  
a. **Continuous** b. Intensive c. EI d. Excluded
- 10 Expand RLC (b)  
a. Regional Labour Court b. **Regional Labour Commissioner**  
c. Regional Labour counsel d. None of the above
- 11 Payment of wages Act, 1936 came into force (a)  
a. **23.04.1936** b. 13.04.1936 c. 28.04.1936 d. 30.04.1936
- 12 According to \_\_\_\_\_ the wage period not to exceed one month in payment of wages act. (a)  
a. **Sec. 4** b. Sec. 3 c. Sec. 2 d. Sec.1
- 13 The Payment of Wages (Amendment) Bill, 2017 was introduced in Lok Sabha on (c)  
a. February 23, 2017 b. February 02, 2017 c. **February 03, 2017** d. February 13, 2017
- 14 Workmen Compensation Act, 1923 came in to force? (b)  
a. 01.07.1923 b. **01.07.1924** c. 01.01.1924 d. 01.01.1923
- 15 Commissioner for workmen's compensation appointed under section? (d)  
a. Section 12 b. Section 02 c. Section 01 d. **Section 20**
- 16 In which section, amount of compensation mentioned in Workmen compensation act. (a)  
a. **Sec. 4** b. Sec. 3 c. Sec. 2 d. Sec.1
- 17 "Shram Suvidha Portal" is maintained by (a)  
a. **Ministry of Labour & Employment in central government**  
b. Ministry of Home affairs in central government  
c. Ministry of HRD d. None of the above

**RS (D&A) Rules, 1968**

- 01 Punishment norms dealt as per (b)  
a. Rule No.5    **b. Rule No. 6**                      c. Rule No. 11                      d. None of the above
- 02 Procedure for imposing Major penalties in which Rule of RS (D&A) Rules, 1968 (a)  
**a. 9**                      b. 11                      c. 5                      d. None of the above
- 03 During suspension which type of allowance is eligible for running staff (c)  
a. Subsistence allowance                      b. Average running allowance  
**c. Both a & b**                      d. None of the above
- 04 Standard Form No. 5 relates to (a)  
**a. Issue of major penalty**                      b. Issue of suspension  
c. Issue of minor penalty                      d. Nomination of Inquiry Officer
- 05 Revision under which rule is to be made? (b)  
a. Rule No. 21                      **b. Rule No.25**                      c. Rule No. 9                      d. None of the above
- 06 According to Rule No. 3.1 of RS (Conduct) Rules, 1966, every Railway Servant shall at all (c)  
times;  
a. Maintain absolute integrity                      b. Maintain devotion to duty  
**c. Both a & b**                      d. None of the above
- 07 Appointing authority in relation to a Railway Servant means: (d)  
a. an authority who actually appointed him  
b. equal or higher authority empowered to make appointments to the post  
c. any other authority                      **d. a&b only**
- 08 RS (D&A) Rules are not applicable to: (d)  
a. any member of All India Services                      b. RPF personnel  
c. any person in casual employment                      **d. all of the above**
- 09 While holding enquiry, who have to fix the date, time & venue and inform the Charged (a)  
employee:  
**a. Inquiry officer**                      b. Disciplinary authority  
c. presenting officer                      d. Confidential section of the dept
- 10 Inquiry Officer can delegate his functions to: (d)  
a. Disciplinary authority                      b. Defence helper  
c. Presenting officer                      **d. He cannot delegate**