

RRB Assistant Loco Pilot and Technician

Model Paper - II

General knowledge, Reasoning, Arithmetic

- 1. The Suez Canal joins Red Sea with?**
 - a) Black Sea
 - b) Caspian Sea
 - c) Mediterranean Sea
 - d) Arabian Sea
- 2. Mahatma Gandhi was born at?**
 - a) Baroda
 - b) Sabarmati
 - c) Rajkot
 - d) Wardha
- 3. Which of the following is a Karif Crop in our country?**
 - a) Wheat
 - b) Maize
 - c) Barely
 - d) Opium
- 4. Pankaj Advani's name is associated with?**
 - a) Billiards
 - b) Chess
 - c) Police Service
 - d) Politics
- 5. The term "Middle Path" associated with?**
 - a) Jainism
 - b) Buddhism
 - c) Hinduism
 - d) None
- 6. Which of the following is the oldest Dynasty?**
 - a) Chalukyas
 - b) Cholas
 - c) Pallavas
 - d) Satavahanas

7. The founder of all Indian National Congress?

- a) A.O. Hume
- b) Nehru
- c) Gandhi
- d) Tilak

8. Which Veda contains sacrificial formulae?

- a) Rigveda
- b) Samaveda
- c) Yajurveda
- d) None

9. Which was the main port city of Harappa Civilisation?

- a) Harappa
- b) Mohenjodaro
- c) Lothal
- d) None

10. The oldest Veda is?

- a) Rigveda
- b) Samaveda
- c) Yajurveda
- d) None

11. At which place did Buddha die?

- a) Kusinagara
- b) Sarnath
- c) Kundagrama
- d) None

12. The Buddhists literature was written in?

- a) Sanskrit
- b) Pali
- c) Hindi
- d) None

13. Where is the Meenakshi temple situated?

- a) Karnataka
- b) Madurai
- c) Maharashtra
- d) None

14. The Book titled '*Lilavati*' is related to?

- a) History
- b) Polity
- c) Administration
- d) Mathematics

15. Where was the Capital of Shivaji situated?

- a) Sasaram
- b) Rajgarh
- c) Raigarh
- d) None

16. Who built the Grand Trunk Road?

- a) Ashoka
- b) Chandragupta
- c) Shershah
- d) Humayun

17. "*Gidda*" is the famous folk dance of?

- a) Punjab
- b) Karnataka
- c) Maharashtra
- d) None

18. *Gandhara* Art flourished under?

- a) Gupta
- b) Kushana
- c) Bactrians
- d) None

19. How many strings are there on a Sarod?

- a) 19
- b) 15
- c) 20
- d) 25

20. How many "*Mahajanapadas*" in Ancient Indian History?

- a) 13
- b) 14
- c) 15
- d) 16

21. Which of the following is the currency of Bahrain?

- a) Peso
- b) Dinar
- c) Riyal
- d) Bahat

22. **Common wealth games 2014 will be organised in?**
a) London
b) New Delhi
c) Glasgow
d) Toronto
23. **Deepika Kumari's name associated with?**
a) Swimming
b) Archery
c) Billiards
d) Cricket
24. **Which of the following terms not associated with Banking (or) Finance?**
a) SLR
b) LBW
c) Credit
d) Repo rate
25. **Which of the following cups/trophies is associated with the game of cricket?**
a) Ranji Trophy
b) Davis cup
c) Thomas cup
d) Nehru trophy
26. **How many members are nominated by the president of India to the Rajya Sabha?**
a) 5
b) 6
c) 8
d) None
27. **Members of the Lok Sabha are elected for a period of?**
a) 4 years
b) 5 years
c) 6 years
d) 7 years
28. **Complete the following series A D G J M P S V ____**
a) B
b) C
c) Y
d) X

29. Complete the series 7, 10, 8, 11, 9, 12, ____, ____.
- a) 12, 15 b) 13, 14 c) 7, 11 d) 10, 13
30. Find odd man out?
- 1) Eye 2) Nose 3) Ear 4) Brain
- a) 1 b) 2 c) 3 d) 4
31. Find odd man out?
- 1) 27 2) 64 3) 8 4) 9
- a) 1 b) 2 c) 3 d) 4
32. VAB: UCD:: TEF :__?
- a) RIJ b) SKL b) SIJ d) SGH
33. Put in meaningful order?
- 1) Arrest 2) Theft 3) Punishment 4) Judgment 5) Court
- a) 2, 1, 5, 4, 3 b) 1, 5, 2, 3, 4
- c) 1, 2, 3, 4, 5 d) 1, 2, 3, 5, 4
34. Put in meaningful order ?
- 1) Set 2) Go 3) Ready 4) Target 5) Start
- a) 2, 3, 1, 4, 5 b) 1, 4, 3, 2, 5
- c) 4, 3, 2, 1, 5 c) 3, 5, 1, 2, 4
35. Select the missing number:
- | | | |
|-----|-----|----|
| 8 | 9 | 6 |
| 6 | 3 | 2 |
| 5 | 4 | ? |
| 240 | 108 | 96 |
- a) 90 b) 36 c)12 d) 8

36. The heights of A and B are equal. C is shorter than A, D is shorter than E but taller than B, who is the tallest of all?
- a) E b) B c) D d) C
37. If 'x' means '+', '+' means '÷', '-' means 'x'; '÷' means '-' then $8 \times 7 - 8 + 40 \div 2 = ?$
- a) 44 b) $7\frac{2}{5}$ c) 1 d) $8\frac{3}{5}$
38. From the given alternatives select the word which cannot be formed "SIMULTANEOUS"?
- a) SINGLE b) SMILE
c) STEAL d) SILENT
39. "Roshan" starts from house and walks 2 km towards east, turns right and walks 1 km, turns right again and walks 1km. what is the direction from him?
- a) East b) West c) North d) South
40. The ratio of Boys and Girls in a School is 3:2. When 6 more girls join this ratio becomes 6:5. Then the number of boys in the school is?
- a) 42 b) 36 c) 24 d) 30
41. If 35% of x is 735, then 80% of x is?
- a) 1680 b) 880 c) 780 d) 1080
42. A dealer offers successive discounts of 20%, 10% and 5%. A single equivalent discount rate is?
- a) 35% b) 31.6% c) 22.8% d) 30%

43. If the price of oil is increased by 25% what will be the percentage consumption of oil that a house must reduce, expenditure not increases?
a) 15% b) 10% c) 20% d) 25%
44. Arun bought a second hand music system for Rs. 2000. He spent Rs. 400 on repairing. The selling price of the system if he wants to gain $16\frac{2}{3}$ % is?
a) Rs. 2800 b) Rs. 3000 c) Rs. 2400 d) Rs. 2600
45. If the ratio of the sides of two equilateral triangles is 1: 2, then the ratio of their areas is?
a) 4 : 9 b) 1 : 4 c) 1 : 2 d) 2 : 3
46. The angles of a triangle are in the ratio 1: 4: 5, then the triangle is?
a) Scalene b) Right angle
c) Isosceles d) None
47. A person sells 36 oranges per rupees and suffers a loss of 4% find how many oranges should be sold per rupee to gain 8%?
a) 30 b) 28 c) 32 d) 40
48. The age of Solar System is?
a) 7.8 billion Years b) 3.2 billion Years
c) 3.8 billion Years d) 4.6 billion years
49. Which of the following is the ore of iron?
a) Hematite b) Bauxite
c) Galena d) None

- 50. Name of river that does not originate in Western Ghats?**
- a) Kaveri
 - b) Vaigai
 - c) Barak
 - d) Godavari
- 51. In which part of the transformer maximum heat is produced?**
- a) Core
 - b) Oil
 - c) Windings
 - d) frame
- 52. The resistance of a 100 watt 230 v lamp is?**
- a) 52.0 Ω
 - b) 529 Ω
 - c) 2.3 Ω
 - d) None
- 53. Core of the transformer is made up of?**
- a) Iron
 - b) Copper
 - c) Low silicon steel
 - d) High silicon steel
- 54. If a 1000 w heater is used for 5 hrs, then the cost of energy Rs.1.50/unit will be?**
- a) Rs. 1.50
 - b) Rs. 15
 - c) Rs. 225
 - d) Rs. 7.50
- 55. Plug gauge is used for?**
- a) Checking hole size
 - b) Checking Oval size
 - c) Taper checking
 - d) None
- 56. The least count of vernier bevel protractor is?**
- a) 5 seconds
 - b) 1⁰
 - c) 5 minutes
 - d) 90⁰

57. Surface plates is commonly used for checking?

- a) Surface
- b) Right angle
- b) Angle
- d) 60° angle

58. A complete turn of not on a bolt is called?

- a) Pitch
- b) Lead
- c) Helix angle
- d) Round

59. Thread angle of Acme thread is?

- a) 60°
- b) 45°
- c) 90°
- d) 29°

60. Why annealing is done?

- a) Soften material
- b) Harden metal
- c) Remove stresses
- c) None

61. The distance between two crests in a thread is named as?

- a) Pitch
- b) Lead
- c) Helix
- d) None

62. The ratio between Force of friction and normal reaction is known as?

- a) Angle of friction
- b) Angle of repose
- c) co-efficient of friction
- d) None

63. The efficiency of a screw Jack independent of?

- a) Load
- b) Helix angle
- c) Angle of friction
- c) None

64. A "Thyristor" is often used in?

- a) Wall clocks
- b) Multi meters
- c) Speed control of motoring
- d) None

65. Which rectifier requires four diodes?

- a) Half wave
- b) Full wave
- c) Full wave Bridge
- d) None

66. Who was the first recipient of Bharat Ratna to be awarded posthumously?

- a) Rajendra Prasad
- b) Indira Gandhi
- c) Lal Bahadur Sastry
- d) Mother Teresa

67. "Right to constitutional remedy" has been mentioned in which article of the constitution?

- a) Article 30
- b) Article 32
- c) Article 35
- d) None

68. The HCF of two numbers is 12 and their LCM is 144. If one of them is 36 the other is?

- a) 36
- b) 48
- c) 52
- d) None

69. The ratio of load lifted to effort applied is termed as?

- a) Efficiency
- b) Velocity ratio
- c) M.A
- d) None of the above

70. If a machine called as Reversible its efficiency?

- a) <50 %
- b) =50%
- c) >50%
- d) 100%

71. Water stored in a "Dam" possesses?

- a) No energy
- b) Electrical energy
- c) Kinetic energy
- d) Potential energy

72. Find the area of a square if the sum of the diagonals is 100 cm?
- a) 1000 cm² b) 1250 cm²
c) 5000 cm² d) None
73. Work done is measured by?
- a) Mass × Velocity b) Mass × Acceleration
c) Force × Distance d) Force × Time
74. Which layer of atmosphere is closest to the earth?
- a) Stratosphere b) Troposphere
c) Mesosphere d) Thermosphere
75. Which is the first element in periodic table?
- a) Hydrogen b) Oxygen
c) Neon d) Helium
76. One gallon = _____ litres.
- a) 4.5 b) 4.1 c) 3.54 d) 8
77. The value of $\sqrt{6+2\sqrt{7+3\sqrt{36}}} =$ _____
- a) 1 b) 2 b) 3 d) 4
78. The difference between compound interest and simple interest on Rs. 200 at 20% per annum for two years is?
- a) Rs. 5 b) Rs. 6 c) Rs. 7 c) Rs. 8
79. Average of "n" even numbers is?
- a) n² b) $\frac{(n+1)}{2}$ c) (n+1) d) (n+2)

- 80. If the number $7x394$ is divisible by '11' then the value of 'x' is?**
a) 3 b) 4 c) 5 d) 6
- 81. Bronze consists of copper and?**
a) Zinc b) Tin
c) Silicon d) Phosphorus
- 82. The Hole provided in the anvil is?**
a) Round b) Triangle
c) Rectangle d) Hexagon
- 83. The voltage less than 250 V is known as?**
a) Low voltage b) High voltage
b) Extra high voltage d) Medium voltage
- 84. Difference between the synchronous speed and the Induction motor speed is called?**
a) Regulation b) Slip
c) Back lash d) lag
- 85. Bench vice size is given by?**
a) length of jaw b) size of spindle
c) width of jaw d) weight of vice
- 86. On 'LATHE' to support heavy rods while turning we use?**
a) Dead centre b) Tail stock
c) Steady rest c) carrier

- 87. Micrometers have least count of?**
a) 0.02 mm b) 0.1 mm c) 0.001mm d) 0.01 mm
- 88. Tri square is used to check the job?**
a) Length wise b) on 45°
c) Depth wise d) on 90°
- 89. Identify the operation that is not normally done on a lathe?**
a) Knurling b) Threading
c) Tapering c) Square cutting
- 90. The refrigerant for ice plant is?**
a) CO_2 b) Ammonia
c) Methyl c) Water
- 91. Borax flux is used in?**
a) Soldering b) Welding
c) Brazing d) All of the above
- 92. One ton of refrigerant is?**
a) 200 KJ/min b) 211KJ/min
c) 215 KJ/min d) 250 KJ/min
- 93. Elbow is used to give _____turn to the pipe?**
a) 45° b) 30° c) 180° d) 90°
- 94. "Tesla" is the unit of?**
a) Flux b) Field strength
b) Flux density d) None

95. **“Megger” is an instrument to measure?**
- a) Very low resistance b) Insulation resistance
c) Inductance d) None
96. **Two condensers of capacity 2F and 3F are connected in series and a third condenser of 1F is connected in parallel to them. The resultant capacity will be?**
- a) $\frac{11}{5}$ F b) $\frac{5}{11}$ F c) $\frac{5}{6}$ F d) 6F
97. **In drilling operation the feed is expressed in?**
- a) mm b) mm/sec
c) mm/min d) mm/revolution
98. **Two Bulbs are marked 100w / 220 v and 60 w / 220 v. Which has the highest resistance?**
- a) 100 w b) 60 w
c) Both same d) None
99. **In a Diesel engine the fuel is ignited by?**
- a) Spark b) Injected fuel
c) Combustion chamber d) None
100. **How are electrical circuits protected from overheating?**
- a) Thermocouples b) Shunts
c) Fuses d) Solenoids

KEY

- | | | | | | | | | | |
|-----|----------|-----|----------|-----|----------|-----|----------|------|----------|
| 1) | c | 21) | b | 41) | a | 61) | a | 81) | b |
| 2) | c | 22) | c | 42) | b | 62) | c | 82) | c |
| 3) | b | 23) | b | 43) | c | 63) | a | 83) | a |
| 4) | a | 24) | b | 44) | a | 64) | c | 84) | b |
| 5) | b | 25) | a | 45) | b | 65) | c | 85) | a |
| 6) | d | 26) | d | 46) | b | 66) | c | 86) | c |
| 7) | a | 27) | b | 47) | c | 67) | b | 87) | d |
| 8) | c | 28) | c | 48) | d | 68) | b | 88) | d |
| 9) | c | 29) | d | 49) | a | 69) | c | 89) | d |
| 10) | a | 30) | d | 50) | c | 70) | c | 90) | b |
| 11) | a | 31) | d | 51) | c | 71) | d | 91) | c |
| 12) | b | 32) | d | 52) | b | 72) | b | 92) | b |
| 13) | b | 33) | a | 53) | d | 73) | c | 93) | d |
| 14) | d | 34) | d | 54) | d | 74) | b | 94) | c |
| 15) | c | 35) | d | 55) | a | 75) | a | 95) | b |
| 16) | c | 36) | a | 56) | c | 76) | a | 96) | a |
| 17) | a | 37) | b | 57) | a | 77) | d | 97) | d |
| 18) | b | 38) | a | 58) | a | 78) | d | 98) | b |
| 19) | a | 39) | b | 59) | d | 79) | c | 99) | d |
| 20) | d | 40) | b | 60) | c | 80) | c | 100) | c |