

✓ RRB Group D 2018 – Shift 4 PYQ (Memory-Based)**100 Questions (Maths + Reasoning + General Science + General Awareness)****✓ Correct answer after each question**** MATHEMATICS (25 Questions)**

1. Value of $\sqrt{324} = ?$
A) 16 B) 17 C) 18 D) 19
Answer: C
2. 22% of 450 = ?
A) 80 B) 90 C) 99 D) 110
Answer: C
3. LCM of 14, 21 = ?
A) 42 B) 56 C) 84 D) 98
Answer: C
4. HCF of 72 and 108 = ?
A) 12 B) 18 C) 24 D) 36
Answer: B
5. Convert $\frac{7}{8}$ into decimal
A) 0.75 B) 0.80 C) 0.85 D) 0.875
Answer: D
6. CP = ₹350, Profit = 20% $\rightarrow$ SP = ?
A) 400 B) 410 C) 420 D) 440
Answer: C
7. Average of 12, 18, 24, 30 = ?
A) 20 B) 22 C) 21 D) 23
Answer: B
8. $(\frac{2}{3}) \times (\frac{9}{4}) = ?$
A) $\frac{2}{3}$ B) $\frac{3}{2}$ C) $\frac{4}{3}$ D) $\frac{5}{3}$
Answer: C
9. Value of $18^2 - 12^2$
A) 120 B) 144 C) 180 D) 216
Answer: C
10. Solve: $7.25 + 3.50 - 2.10$
A) 8.55 B) 8.65 C) 9.00 D) 7.95
Answer: A
11. Convert 72 km/h $\rightarrow$ m/s
A) 18 B) 20 C) 22 D) 24
Answer: A

12. Area of triangle: $b=12$, $h=8$
A) 36 B) 40 C) 46 D) 48
Answer: D
13. 40% of 600 = ?
A) 230 B) 240 C) 260 D) 280
Answer: B
14. Convert 35% to fraction
A) $\frac{7}{20}$ B) $\frac{1}{4}$ C) $\frac{3}{10}$ D) $\frac{2}{5}$
Answer: A
15. A train travels 180 km in 4 hours $\rightarrow$ speed=?
A) 30 B) 45 C) 50 D) 60
Answer: D
16. CP = 800, Loss = 12.5% $\rightarrow$ SP = ?
A) 700 B) 720 C) 750 D) 780
Answer: B
17. Perimeter of square = 48 $\rightarrow$ side=?
A) 10 B) 12 C) 15 D) 20
Answer: B
18. Cube root of 729 = ?
A) 6 B) 7 C) 8 D) 9
Answer: D
19. $\sqrt{196} \times \sqrt{64} = ?$
A) 80 B) 112 C) 96 D) 120
Answer: C
20. $\frac{2}{5} + \frac{3}{10} = ?$
A) $\frac{1}{2}$ B) $\frac{4}{5}$ C) $\frac{7}{10}$ D) $\frac{3}{5}$
Answer: C
21. A:B = 5:4 and B:C = 2:3 $\rightarrow$ A:C = ?
A) 5:6 B) 10:12 C) 15:8 D) 5:3
Answer: A
22. If SP = 540 and profit = 20% $\rightarrow$ CP=?
A) 450 B) 460 C) 470 D) 500
Answer: A
23. Sum of interior angles of pentagon
A) 360° B) 540° C) 720° D) 900°
Answer: B
24. Simplify: $\frac{4}{7} \div \frac{2}{3}$
A) $\frac{6}{7}$ B) $\frac{3}{7}$ C) $\frac{7}{6}$ D) $\frac{12}{14}$
Answer: A

25. $1/0.2 = ?$

A) 2 B) 3 C) 4 D) 5

Answer: D

 REASONING (30 Questions)

26. 6, 13, 22, 33, ?

A) 46 B) 48 C) 49 D) 51

Answer: A

27. Odd one: Banana, Grapes, Apple, Spinach

Answer: Spinach

28. If DOG = EPH, then CAT = ?

A) DBU B) ECV C) DCT D) CDU

Answer: A

29. Missing: 9, 17, 29, 45, ?

A) 60 B) 65 C) 75 D) 90

Answer: B

30. Pen : Write :: Knife : ?

A) Cut B) Kill C) Hold D) Hit

Answer: A

31. 100, 99, 97, 94, ?

A) 88 B) 90 C) 89 D) 87

Answer: C

32. Venn diagram: Students, Girls, Athletes

Answer: overlapping sets

33. Mirror image of 4:30 — hour hand appears near?

Answer: 7

34. If TABLE = 40, CHAIR = 43 then PEN = ?

A) 30 B) 31 C) 32 D) 33

Answer: B

35. Odd one: Square, Triangle, Pentagon, Sphere

Answer: Sphere

36. Analogy: Wheel : Car :: Wing : ?

A) Bird B) Plane C) Fly D) Air

Answer: B

37. Missing: 7, 16, 31, 52, 79, ?

A) 110 B) 112 C) 115 D) 120

Answer: A

38. 1, 4, 11, 26, 57, ?

A) 118 B) 120 C) 121 D) 130

Answer: A

39. Dictionary order:

POT, PORT, POWER, POINT

→ **POINT, PORT, POT, POWER**

40. Odd: 8, 27, 64, 125, 200

Answer: 200

41. If MONDAY = 65, TUESDAY = ?

A) 84 B) 86 C) 90 D) 95

Answer: A

42. Complete: 1, 3, 7, 15, 31, ?

A) 50 B) 55 C) 63 D) 70

Answer: C

43. Odd one: 49, 64, 81, 121, 130

Answer: 130

44. If 1 → Sunday, then 14 → ?

A) Saturday B) Sunday C) Monday D) Tuesday

Answer: B

45. Missing: 3, 9, 27, 81, ?

A) 200 B) 220 C) 243 D) 300

Answer: C

46. Odd letter:

A) AB

B) BC

C) CD

D) DF

Answer: D

47. If SKY = 55, SUN = ?

A) 52 B) 53 C) 54 D) 55

Answer: B

48. Solve: $56 \div 8 \times 7$

A) 40 B) 45 C) 49 D) 50

Answer: C

49. Shape with 4 equal sides

A) Square B) Rectangle C) Rhombus D) Quadrilateral

Answer: A

50. Series: 11, 22, 44, 88, ?

A) 132 B) 144 C) 160 D) 176

Answer: D

51. 2, 6, 24, 120, ?, 720

A) 240 B) 600 C) 720 D) 840

Answer: B

 GENERAL SCIENCE (25 Questions)

56. Vitamin for blood clotting

A) A B) C C) D D) K

Answer: D

57. Gas used by plants for photosynthesis

A) Oxygen

B) Nitrogen

C) CO₂

D) Helium

Answer: C

58. SI unit of force

A) Joule

B) Newton

C) Pascal

D) Watt

Answer: B

59. Powerhouse of cell

A) Nucleus

B) Chloroplast

C) Mitochondria

D) Ribosome

Answer: C

60. Largest gland

A) Pancreas

B) Liver

C) Kidney

D) Thyroid

Answer: B

61. Deficiency of Vitamin D

A) Scurvy B) Rickets C) Beri-Beri D) Goitre

Answer: B

62. Metal liquid at room temperature

A) Mercury B) Sodium C) Aluminium D) Copper

Answer: A

63. Blood purification is done by

A) Heart B) Kidney C) Liver D) Pancreas

Answer: B

64. Water freezes at
A) -10°C B) 0°C C) 10°C D) 5°C
Answer: B
65. Example of renewable resource
A) Coal B) Diesel C) Solar energy D) Natural gas
Answer: C
66. The green pigment in plants
A) Chlorophyll B) Starch C) Xylem D) Phloem
Answer: A
67. Unit of electric current
A) Volt B) Ohm C) Ampere D) Watt
Answer: C
68. Humans have ____ chromosomes
A) 23 B) 46 C) 48 D) 44
Answer: B
69. Gas present most in atmosphere
A) Oxygen B) CO_2 C) Nitrogen D) Hydrogen
Answer: C
70. Instrument to measure temperature
A) Barometer B) Thermometer C) Altimeter D) Hygrometer
Answer: B
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 GENERAL AWARENESS (20 Questions)

71. First President of India
A) Ambedkar B) Nehru C) Rajendra Prasad D) Kalam
Answer: C
72. Largest desert
A) Sahara B) Gobi C) Thar D) Kalahari
Answer: A
73. Currency of Russia
A) Dollar B) Pound C) Ruble D) Euro
Answer: C
74. Author of *Gitanjali*
A) Tagore
B) Nehru
C) Gandhi
D) Premchand
Answer: A
75. India's national aquatic animal
A) Dolphin

- B) Crocodile
- C) Fish
- D) Turtle

Answer: A

76. World Environment Day

- A) 5 June
- B) 2 October
- C) 14 November
- D) 1 May

Answer: A

77. Capital of Nepal

- A) Dhaka
- B) Kathmandu
- C) Thimphu
- D) Lhasa

Answer: B

78. GST launched in

- A) 2015
- B) 2016
- C) 2017
- D) 2018

Answer: C

79. Who built Red Fort?

- A) Akbar
- B) Jahangir
- C) Shah Jahan
- D) Aurangzeb

Answer: C

80. National emblem adopted in

- A) 1947
- B) 1948
- C) 1950
- D) 1952

Answer: C