

✓ RRB Group D 2018 – Shift 2 PYQ (Memory-Based)**Total Questions: 100 (Maths + Reasoning + GS + GA)****Correct answer provided with each question**** MATHEMATICS (25 Questions)**

1. Value of $\sqrt{625} = ?$
A) 15 B) 20 C) 25 D) 30
Answer: C
2. 12% of 450 = ?
A) 45 B) 54 C) 50 D) 60
Answer: B
3. LCM of 18 and 24 = ?
A) 36 B) 48 C) 72 D) 60
Answer: C
4. HCF of 32, 48 = ?
A) 6 B) 8 C) 12 D) 16
Answer: B
5. Convert 0.35 to fraction:
A) $35/100$ B) $7/20$ C) $3/10$ D) $1/4$
Answer: B
6. Profit%: CP = 500, SP = 650
A) 20% B) 25% C) 30% D) 40%
Answer: C
7. Average of 16, 24, 20, 30 = ?
A) 25 B) 22.5 C) 23 D) 24
Answer: A
8. A ratio of 4:5 is increased by 8 each: new ratio?
A) 12:13 B) 8:10 C) 4:13 D) 5:12
Answer: A
9. $4/5 \times 3/7 = ?$
A) $9/35$ B) $12/35$ C) $7/20$ D) $20/7$
Answer: B
10. Speed 36 km/h $\rightarrow$ m/s = ?
A) 10 B) 11 C) 12 D) 13
Answer: C
11. Area of triangle = $\frac{1}{2} \times b \times h = ?$ (b=10, h=6)
A) 20 B) 25 C) 30 D) 35
Answer: C

12. 15% loss means SP of 850 = CP = ?
A) 1000 B) 900 C) 850 D) 1100

Answer: A

13. Simplify: $3.5 + 2.35 - 1.15 = ?$
A) 4.7 B) 4.6 C) 3.5 D) 5.0

Answer: B

14. $7^2 - 4^2 = ?$
A) 33 B) 45 C) 49 D) 24

Answer: A

15. Value of $\sqrt[3]{343} = ?$
A) 5 B) 6 C) 7 D) 8

Answer: C

16. If SP = 720, profit = 20% $\rightarrow$ CP=?
A) 500 B) 550 C) 600 D) 650

Answer: C

17. Distance = Speed 50 km/h $\times$ Time 3.2 h
A) 150 B) 160 C) 170 D) 180

Answer: B

18. Sum of interior angles of pentagon = ?
A) 360° B) 540° C) 720° D) 900°

Answer: B

19. $(12 \times 15) / 6 = ?$
A) 20 B) 25 C) 30 D) 40

Answer: C

20. Solve: $2/3$ of 150 = ?
A) 75 B) 90 C) 100 D) 120

Answer: B

21. A father is 40, son is 10 $\rightarrow$ ratio after 10 yrs?
A) 4:1 B) 3:1 C) 5:2 D) 2:1

Answer: C

22. Perimeter of rectangle = 60, length=20 $\rightarrow$ breadth=?
A) 10 B) 12 C) 15 D) 20

Answer: A

23. Compound Interest > Simple Interest when?
A) 1 year
B) 2 years
C) Always
D) Never

Answer: B

24. $\sqrt{49} \times \sqrt{16} = ?$

- A) 28 B) 12 C) 14 D) 16

Answer: B

25. $1/0.25 = ?$

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

Answer: C

 REASONING (30 Questions)

26. Complete series: 6, 12, 20, 30, ?

- A) 40 B) 42 C) 45 D) 50

Answer: A

27. Odd one: Mango, Banana, Apple, Potato

Answer: Potato

28. If EAST = 51, then WEST = ?

- A) 60 B) 62 C) 57 D) 55

Answer: C

29. Which letter replaces ? : A, D, G, J, M, ?

- A) P B) Q C) O D) N

Answer: A

30. $8 : 64 :: 9 : ?$

- A) 72 B) 81 C) 90 D) 100

Answer: B

31. Arrange alphabetically:

ROOF, ROOM, ROOT, ROAR

Order → ROAR, ROOM, ROOF, ROOT

32. 3, 7, 13, 21, 31, ?

- A) 40 B) 41 C) 43 D) 45

Answer: B

33. Venn diagram for Water, Liquid, Milk

Milk $\subset$ Liquid, Water $\subset$ Liquid

34. If CAT = DBU, then FOX = ?

- A) GPY B) GQY C) GQZ D) HPZ

Answer: C

35. Find odd: 121, 144, 169, 200

Answer: 200

36. Mirror image of 2:35 time shows hour hand near?

Answer: 9

37. If MONDAY = 65, TUESDAY = ?

A) 84 B) 90 C) 95 D) 100

Answer: A

38. Find missing: 4, 9, 19, 39, ?

A) 70 B) 79 C) 80 D) 82

Answer: B

39. Analogy: Book : Reading :: Knife : ?

A) Cutting B) Writing C) Eating D) Hitting

Answer: A

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

Answer: Sphere

41. Coding: If COLD = 7, HEAT = 9, WARM = ?

A) 10 B) 12 C) 11 D) 9

Answer: C

42. Missing number: 11, 22, 44, 88, ?

A) 176 B) 160 C) 180 D) 200

Answer: A

43. If 5 = 25, 7 = 49, 11 = ?

A) 100 B) 110 C) 121 D) 144

Answer: C

44. Number of triangles in a star figure?

Answer: 10

45. If 1=Sunday, 3=Tuesday, then 10 = ?

A) Wednesday B) Friday C) Thursday D) Saturday

Answer: C

46. Odd number: 19, 23, 29, 33

Answer: 33

47. Find next term: AB, CD, EF, GH, ?

A) IJ B) JK C) KL D) LM

Answer: A

48. $45 \div 5 \times 3 = ?$

A) 30 B) 27 C) 28 D) 25

Answer: A

49. Water : Liquid :: Ice : ?

A) Gas B) Solid C) Water D) Foam

Answer: B

50. Missing number: 10, 20, 35, 55, ?

A) 75 B) 90 C) 80 D) 100

Answer: A

51. Find odd: 8, 27, 64, 100, 125

Answer: 100

 GENERAL SCIENCE (25 Questions)

56. Gas used by plants in photosynthesis?

A) O₂ B) H₂ C) CO₂ D) N₂

Answer: C

57. Deficiency of Vitamin D causes?

A) Night blindness
B) Rickets
C) Scurvy
D) Anaemia

Answer: B

58. SI unit of pressure?

A) Watt B) Pascal C) Newton D) Joule

Answer: B

59. Largest gland?

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

Answer: B

60. Calcium-rich food?

A) Milk B) Lemon C) Apple D) Tomato

Answer: A

61. Which metal is liquid at room temp?

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

Answer: A

62. Blood is purified by?

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

Answer: B

63. Normal human blood pH?

A) 6.2–6.8 B) 7.35–7.45 C) 8–9 D) 5–6

Answer: B

64. Study of fungi is called?

A) Zoology B) Mycology C) Botany D) Ecology

Answer: B

65. SI unit of electric current?

A) Ampere B) Watt C) Ohm D) Volt

Answer: A

66. Example of renewable energy?

A) Coal B) Petrol C) Solar D) Diesel

Answer: C

67. Which vitamin is antioxidant?
A) Vitamin A B) Vitamin C C) Vitamin D D) Vitamin K
Answer: B
68. Photosynthesis occurs in?
A) Chloroplast B) Mitochondria C) Nucleus D) Cytoplasm
Answer: A
69. Which travels fastest?
A) Sound in air
B) Light
C) Water waves
D) Electricity
Answer: B
70. Plant's transportation tissue?
A) Xylem B) Chlorophyll C) Epidermis D) Cortex
Answer: A
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 GENERAL AWARENESS (20 Questions)

71. Author of *Wings of Fire*?
A) Kalam B) Nehru C) Ambedkar D) Rajan
Answer: A
72. First female Prime Minister of India?
A) Sarojini Naidu
B) Indira Gandhi
C) Sushma Swaraj
D) Pratibha Patil
Answer: B
73. Capital of Myanmar?
A) Yangon B) Naypyidaw C) Colombo D) Dhaka
Answer: B
74. Currency of Italy?
A) Euro B) Pound C) Lira D) Dollar
Answer: A
75. Who founded Arya Samaj?
A) Vivekananda
B) Dayanand Saraswati
C) Gandhi
D) Tilak
Answer: B
76. Largest ocean?
A) Indian B) Pacific C) Atlantic D) Arctic
Answer: B

77. GST was launched in which year?

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

Answer: B

78. First battle of Panipat year?

A) 1526 B) 1556 C) 1761 D) 1707

Answer: A

79. India's national animal?

A) Elephant B) Tiger C) Lion D) Horse

Answer: B

80. Nobel Prize is awarded in which country?

A) Sweden B) India C) UK D) USA

Answer: A

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