

✓ RRB Group D 2018 – Shift 3 PYQ (Memory-Based)**100 Questions (Maths + Reasoning + General Science + General Awareness)****Correct answer is provided with every question.**

** MATHEMATICS (25 Questions)**

1. Value of $\sqrt{289} = ?$
A) 15 B) 16 C) 17 D) 18
Answer: C
2. 18% of 250 = ?
A) 35 B) 40 C) 45 D) 50
Answer: C
3. LCM of 12, 15, 20 = ?
A) 30 B) 60 C) 120 D) 180
Answer: C
4. HCF of 56 and 98 = ?
A) 8 B) 14 C) 28 D) 7
Answer: B
5. Ratio of 3 hours to 90 minutes
A) 3:1
B) 2:1
C) 1:3
D) 1:2
Answer: B
6. CP = 200, Profit = 15% $\rightarrow$ SP = ?
A) 220 B) 230 C) 240 D) 250
Answer: B
7. Average of first 5 odd numbers = ?
A) 5 B) 6 C) 7 D) 9
Answer: B
8. $(\frac{3}{7}) \times (\frac{14}{9}) = ?$
A) $\frac{2}{3}$ B) $\frac{5}{7}$ C) $\frac{6}{7}$ D) $\frac{4}{3}$
Answer: A
9. $15^2 - 12^2 = ?$
A) 72 B) 81 C) 99 D) 105
Answer: C
10. $4.5 + 2.35 - 1.2 = ?$
A) 5.65 B) 6.15 C) 5.55 D) 4.25
Answer: A

11. Speed = 54 km/h $\rightarrow$ m/s = ?

A) 12 B) 15 C) 18 D) 20

Answer: C

12. Area of circle ($r = 5$ cm) = ?

A) 50π B) 25π C) 20π D) 10π

Answer: B

13. 25% of 640 = ?

A) 140 B) 150 C) 160 D) 180

Answer: C

14. Convert $\frac{3}{8}$ to decimal

A) 0.25 B) 0.375 C) 0.28 D) 0.45

Answer: B

15. Time = Distance 150 km / Speed 30 km/h

A) 3 hr B) 4 hr C) 5 hr D) 6 hr

Answer: C

16. CP ₹500 $\rightarrow$ Loss 10% $\rightarrow$ SP = ?

A) 400 B) 450 C) 480 D) 490

Answer: B

17. Perimeter of square = 64 cm $\rightarrow$ side = ?

A) 8 B) 10 C) 12 D) 16

Answer: A

18. Cube of 8 = ?

A) 256 B) 364 C) 512 D) 1000

Answer: C

19. $\sqrt{121} \times \sqrt{49} = ?$

A) 70 B) 77 C) 63 D) 55

Answer: C

20. $(\frac{2}{5} + \frac{3}{5}) = ?$

A) 1 B) $\frac{3}{5}$ C) $\frac{4}{5}$ D) 1.5

Answer: A

21. A:B = 3:5, B:C = 2:3 $\rightarrow$ A:C = ?

A) 3:5 B) 6:15 C) 6:15 $\rightarrow$ simplified = 2:5

Answer: 2:5

22. $\sqrt[3]{512} = ?$

A) 6 B) 7 C) 8 D) 10

Answer: C

23. 10% of 450 + 15% of 200

A) 85 B) 75 C) 90 D) 95

Answer: A

24. A man buys 40 apples at ₹8 each → total cost = ?

A) 280 B) 300 C) 320 D) 360

Answer: C

25. Angle sum of a hexagon = ?

A) 540° B) 720° C) 900° D) 1080°

Answer: D

 REASONING (30 Questions)

26. Complete: 3, 8, 15, 24, 35, ?

A) 48 B) 50 C) 52 D) 56

Answer: A

27. Odd one: Mango, Apple, Grapes, Carrot

Answer: Carrot

28. If CAT = DBU, then HEN = ?

A) IFM B) IFO C) IGM D) IFN

Answer: A

29. Find missing: 5, 11, 19, 29, ?

A) 39 B) 41 C) 44 D) 49

Answer: A

30. Analogy: Finger : Hand :: Leaf : ?

A) Plant B) Stem C) Branch D) Root

Answer: C

31. Series: 1, 4, 9, 16, 25, ?

A) 30 B) 35 C) 36 D) 49

Answer: C

32. Venn diagram: Teacher, Woman, Mother

Answer: Overlapping circles (some teachers are women, some women are mothers)

33. Mirror image of 9:15 will show hour hand near?

Answer: 3

34. If PENCIL = 63, PAPER = ?

A) 50 B) 55 C) 60 D) 65

Answer: C

35. Odd word:

A) January

B) March

C) May

D) Friday

Answer: D

36. Blood : Veins :: Water : ?

- A) River B) Tap C) Pipes D) Ocean

Answer: C

37. Missing: 15, 31, 63, 127, ?

- A) 255 B) 250 C) 260 D) 270

Answer: A

38. If $5 \rightarrow 25$, $7 \rightarrow 49$, then $9 \rightarrow ?$

- A) 72 B) 81 C) 85 D) 90

Answer: B

39. Arrange in dictionary order:

DONE, DOOR, DOLL, DOG

Answer: DOLL, DOG, DONE, DOOR

40. Find odd: 121, 144, 169, 225, 300

Answer: 300

41. If MONDAY = 65, FRIDAY = ?

- A) 63 B) 74 C) 80 D) 86

Answer: C

42. Complete: 2, 6, 12, 20, 30, ?

- A) 42 B) 40 C) 44 D) 48

Answer: A

43. Find odd: 9, 16, 25, 49, 50

Answer: 50

44. If $1 \rightarrow \text{Sunday}$, $7 \rightarrow \text{Saturday}$, then $12 \rightarrow ?$

- A) Wednesday
B) Thursday
C) Friday
D) Sunday

Answer: A

45. Missing number: 4, 12, 36, 108, ?

- A) 216 B) 324 C) 300 D) 200

Answer: B

46. Odd letter:

- A) AD
B) BE
C) CF
D) DG

Answer: D

47. If DOG = 26, CAT = 24, then LION = ?

- A) 50 B) 53 C) 55 D) 60

Answer: B

48. $72 \div 6 \times 5 = ?$

A) 55 B) 60 C) 65 D) 70

Answer: B

49. Which figure has 3 sides?

A) Square
B) Triangle
C) Hexagon
D) Pentagon

Answer: B

50. Which number comes next? 14, 28, 56, 112, ?

A) 200 B) 220 C) 224 D) 230

Answer: C

51. Find missing number: 1, 2, 6, 24, 120, ?

A) 600 B) 720 C) 840 D) 960

Answer: B

(Factorial pattern)



GENERAL SCIENCE (25 Questions)

56. Metal present in haemoglobin?

A) Copper B) Iron C) Zinc D) Sodium

Answer: B

57. Deficiency of Vitamin C leads to?

A) Rickets B) Scurvy C) Goitre D) Night Blindness

Answer: B

58. SI unit of energy

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

Answer: B

59. Photosynthesis occurs in which cell organelle?

A) Nucleus B) Ribosome C) Chloroplast D) Mitochondria

Answer: C

60. Largest bone?

A) Humerus B) Femur C) Tibia D) Skull

Answer: B

61. Example of non-renewable resource

A) Wind B) Solar C) Coal D) Water

Answer: C

62. Gas used in respiration

A) Carbon dioxide B) Nitrogen C) Oxygen D) Hydrogen

Answer: C

63. Blood pH is around
A) 5–6 B) 6.8–7.0 C) 7.35–7.45 D) 8.0–9.0
Answer: C
64. Which vitamin is fat soluble?
A) B1 B) C C) D D) B12
Answer: C
65. Rusting is _____ reaction
A) Oxidation
B) Reduction
C) Sublimation
D) Neutralisation
Answer: A
66. Water boils at
A) 50°C B) 75°C C) 90°C D) 100°C
Answer: D
67. Normal human body temperature
A) 35°C B) 36.4°C C) 37°C D) 39°C
Answer: C
68. Which one is a conductor of electricity?
A) Plastic B) Wood C) Copper D) Rubber
Answer: C
69. The powerhouse of the cell is
A) Ribosome B) Golgi body C) Vacuole D) Mitochondria
Answer: D
70. Blood platelets help in
A) Digestion
B) Blood clotting
C) Respiration
D) Excretion
Answer: B

 GENERAL AWARENESS (20 Questions)

71. Father of the Nation?
A) Nehru B) Gandhi C) Ambedkar D) Patel
Answer: B
72. Currency of China?
A) Yen B) Won C) Yuan D) Ringgit
Answer: C
73. Capital of Afghanistan
A) Kabul B) Tehran C) Tashkent D) Baghdad
Answer: A

74. Total Lok Sabha seats

A) 540 B) 543 C) 545 D) 550

Answer: B

75. Who wrote *Ramayana*?

A) Vyas B) Valmiki C) Tulsidas D) Kalidas

Answer: B

76. Olympic Games are held every

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

Answer: C

77. India's national flower

A) Rose B) Lotus C) Jasmine D) Sunflower

Answer: B

78. First woman President of India

A) Indira Gandhi B) Sushma Swaraj C) Sarojini Naidu D) Pratibha Patil

Answer: D

79. GST was launched in

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

Answer: B

80. Highest civilian award of India

A) Padma Shri B) Padma Vibhushan C) Bharat Ratna D) Param Vir Chakra

Answer: C