

REASONING PRACTICE SET — 8

For SSC | Bank | Railway | Post Office | and All Govt. Exams

Total Questions: 50 | Time: 50 Minutes | Marks: 50 | Subject: Reasoning

Instructions: Each question carries 1 mark. Choose the correct option from A, B, C, D. No negative marking.

[Analogy]

1. Lion : Pride :: Fish : ?

- A) Flock
- B) Shoal
- C) Herd
- D) Pack

2. Architect : Building :: Composer : ?

- A) Orchestra
- B) Symphony
- C) Instrument
- D) Concert

3. HJLN : IKMO :: PRtv : ?

- A) QSUW
- B) QSUX
- C) RSUW
- D) QTUW

[Odd One Out]

4. Find the odd one out: Nitrogen, Oxygen, Hydrogen, Iron, Helium

- A) Nitrogen
- B) Oxygen
- C) Iron
- D) Helium

5. Find the odd one out: 169, 196, 225, 256, 289, 324, 350

- A) 256
- B) 289
- C) 350
- D) 324

[Number Series]

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

- A) 620
- B) 720
- C) 700
- D) 750

7. Find the missing number: 9, 18, 36, 72, 144, ?

- A) 268
- B) 280
- C) 288
- D) 296

8. Find the missing number: 5, 6, 9, 15, 26, 45, ?

- A) 78
- B) 80
- C) 82

D) 84

9. Find the missing number: 34, 32, 28, 22, 14, ?

- A) 2
- B) 4
- C) 6
- D) 8

[Letter Series]

10. Find the next term: BDF, GIK, LNP, ?

- A) QSU
- B) QRT
- C) RST
- D) QRU

[Coding - Decoding]

11. If NATION is coded as OCVKQP, how is POLICE coded?

- A) RQNKEG
- B) RQNLFG
- C) RQMKEG
- D) QQNKEG

12. In a code: 'go to school' = 4 8 2, 'school is fun' = 2 6 3, 'fun to learn' = 3 8 9. What is the code for 'go'?

- A) 4
- B) 8
- C) 2
- D) 9

13. If ROSE = 6821 and CHAIR = 73456, what is SEARCH?

- A) 814673
- B) 816473
- C) 814637
- D) 816437

[Blood Relations]

14. A man pointing to a photograph says, "The lady in the photo is my nephew's maternal grandmother." How is the lady related to the man's sister who has no other sister?

- A) Sister-in-law
- B) Mother
- C) Cousin
- D) Mother-in-law

15. P is Q's brother. R is Q's mother. S is R's father. T is S's mother. How is P related to T?

- A) Great Grandson
- B) Grandson
- C) Son
- D) Great-great Grandson

16. If A @ B means A is the husband of B, A # B means A is the daughter of B, A % B means A is the sister of B, then in 'P @ Q # R % S', how is P related to S?

- A) Son-in-law
- B) Brother-in-law
- C) Father-in-law
- D) Nephew

[Direction Sense]

17. A man walks 3 km east, then 4 km north, then 6 km east, then 4 km south. How far is he from the starting point?

- A) 7 km
- B) 8 km
- C) 9 km
- D) 10 km

18. Standing at point A, facing east, I turn 45 degrees anticlockwise, then 90 degrees clockwise. In which direction am I now facing?

- A) South-East
- B) North-East
- C) East
- D) South

19. Village Q is to the north of village P. Village R is to the east of village Q. Village S is to the left of village P. In which direction is village S with respect to village R?

- A) South-West
- B) South-East
- C) North-West
- D) West

[Ranking & Order]

20. Among six friends A, B, C, D, E, F — A scores more than B but less than C. D scores more than E but less than F. C scores less than E. Who scores the least?

- A) A
- B) B
- C) E
- D) D

21. In a row of students, Raju is 12th from the left and Shyam is 18th from the right. If they interchange positions, Raju becomes 20th from the left. How many students are in the row?

- A) 36
- B) 37
- C) 38
- D) 39

[Syllogism]

22. Statements: All stars are planets. No planet is a moon. Conclusion I: No star is a moon. Conclusion II: Some moons are stars. Which follows?

- A) Only I
- B) Only II
- C) Both
- D) Neither

23. Statements: Some books are magazines. All magazines are journals. Conclusion I: Some books are journals. Conclusion II: All journals are books. Which follows?

- A) Only I
- B) Only II
- C) Both
- D) Neither

24. Statements: No lake is a river. All rivers are streams. Conclusion I: No lake is a stream. Conclusion II: Some streams are rivers. Which follows?

- A) Only I
- B) Only II
- C) Both
- D) Neither

[Puzzle & Logical Arrangement]

25. Five cities A, B, C, D, E are connected by roads. A is connected to B and C. B is connected to D. C is connected to E. D and E are not directly connected. To reach E from B, what is the minimum number of roads to be taken?

- A) 2
- B) 3
- C) 4
- D) 1

26. A bag contains coins of Rs. 1, Rs. 2, and Rs. 5 denominations. The number of Rs. 2 coins is 3 times the number of Rs. 5 coins. The number of Rs. 1 coins is 5 times the number of Rs. 2 coins. The total is Rs. 150. How many Rs. 5 coins are there?

- A) 5
- B) 8
- C) 10
- D) 12

[Clock & Calendar]

27. The minute hand of a clock overtakes the hour hand at intervals of 65 minutes. How much does the clock gain or lose in 24 hours?

- A) Gains $10 \frac{10}{11}$ min
- B) Loses $10 \frac{10}{11}$ min
- C) Gains $5 \frac{5}{11}$ min
- D) Loses $5 \frac{5}{11}$ min

28. What day of the week was 4th June 1984?

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

[Statement & Assumption]

29. Statement: "The best way to escape a problem is to solve it." Assumption I: Problems can always be solved. Assumption II: Escaping problems is not a solution.

- A) Only I implicit
- B) Only II implicit
- C) Both implicit
- D) Neither implicit

[Venn Diagram]

30. Of 100 students, 55 passed in Maths, 67 passed in English and 40 passed in both subjects. How many failed in both subjects?

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

[Mirror Image]

31. If the letters of the word 'DYNAMIC' are written in reverse order and then the mirror image is taken, what will be the 3rd letter from the left?

- A) M
- B) A
- C) N
- D) I

[Sitting Arrangement (Double Row)]

32. Ten students sit in two rows of 5 each, facing each other. A, B, C, D, E face south; F, G, H, I, J face north. B faces F. D is to the immediate right of B. H is to the immediate left of F. G faces E. I is at one end. Who faces D?

- A) G
- B) H
- C) I
- D) J

[Number Analogy]

33. 3 : 12 :: 5 : ?

- A) 25
- B) 30
- C) 35
- D) 20

34. 144 : 12 :: 256 : ?

- A) 14
- B) 16
- C) 18
- D) 20

[Coding - Decoding (Advanced)]

35. If EXAMINATION = 5, 24, 1, 13, 9, 14, 1, 20, 9, 15, 14 using A=1, B=2... find the sum of digits for RESULT.

- A) 80
- B) 85
- C) 90
- D) 82

[Statement & Conclusion]

36. **Statement:** Despite having a good irrigation system, farmers in region X are facing water shortage. **Conclusion I:** The irrigation system is not functioning properly. **Conclusion II:** Region X receives inadequate rainfall.

- A) Only I follows
- B) Only II follows
- C) Both follow
- D) Neither follows definitely

[Logical Sequence]

37. Arrange in logical sequence: 1. Diagnosis 2. Symptoms 3. Treatment 4. Recovery 5. Medicine

- A) 2,1,5,3,4
- B) 2,1,3,5,4
- C) 1,2,5,3,4
- D) 2,5,1,3,4

38. Arrange in logical order: 1. Tadpole 2. Egg 3. Frog 4. Young Frog 5. Larva

- A) 2,5,1,4,3
- B) 2,1,5,4,3
- C) 5,2,1,4,3
- D) 2,5,4,1,3

[Input - Output / Machine Coding]

39. Input: 'win 42 loss 17 draw 28 tie 5' Step 1: Numbers arranged in descending order, words in alphabetical order alternately. What is the 3rd element in Step 1 output?

- A) draw
- B) 28

- C) loss
- D) 42

[Cube & Dice]

40. A cube of side 4 cm is painted blue on all faces and cut into 1 cm cubes. How many small cubes have no face painted?

- A) 4
- B) 6
- C) 8
- D) 16

[Non-Verbal Reasoning]

41. A square paper is folded diagonally twice and a cut is made at the apex (pointed tip). How many holes appear when the paper is unfolded?

- A) 1
- B) 2
- C) 3
- D) 4

[Missing Number in Matrix]

42. Find the missing number: | 3 | 5 | 15 || 7 | 9 | 63 || 11 | 13 | ? |

- A) 121
- B) 130
- C) 143
- D) 156

[Alpha - Numeric Series]

43. If GOLD = $7+15+12+4 = 38$ and SILVER = $19+9+12+22+5+18 = 85$, what is BRONZE?

- A) 70
- B) 72
- C) 75
- D) 68

[Word Formation]

44. How many meaningful words can be formed from the letters of the word 'TAME' using all letters only once?

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

[Data Sufficiency]

45. Is X an even number? I: X is divisible by 4. II: X + 1 is an odd number.

- A) Only I sufficient
- B) Only II sufficient
- C) Either I or II sufficient
- D) Both I and II together sufficient

[Sitting Arrangement (Circular)]

46. Seven people A, B, C, D, E, F, G sit in a circle facing the centre. A is 3rd to the left of D. B is between A and G. C is to the immediate right of D. F is between D and E. Who is to the immediate left of A?

- A) G
- B) B
- C) E

D) F

[Number Series (Find the Wrong Term)]

47. Find the wrong term: 7, 14, 42, 168, 840, 5040, 35280

- A) 42
- B) 168
- C) 840
- D) 35280

[Mathematical Operations]

48. If 'P' means '÷', 'Q' means 'x', 'R' means '+', 'S' means '-', then: 18 Q 12 P 4 R 5 S 6 = ?

- A) 53
- B) 55
- C) 57
- D) 59

[Coded Inequality]

49. Statements: A © B, B \$ C, C @ D Where © means '>', \$ means '=', @ means '<'.
Conclusions: I: A > C II: D > B III: A > D

- A) Only I follows
- B) Only I and III follow
- C) Only II follows
- D) All follow

[Critical Reasoning]

50. Fact: Every student who scored above 90% in the entrance exam was offered a scholarship. Fact: Neha was not offered a scholarship. Conclusion: Neha did not score above 90% in the entrance exam.

- A) Conclusion definitely follows
- B) Conclusion does not follow
- C) Conclusion may or may not follow
- D) Data insufficient

ANSWER KEY

Reasoning Practice Set — 8

1-B	2-B	3-A	4-C	5-C
6-B	7-C	8-B	9-B	10-A
11-A	12-A	13-A	14-B	15-A
16-A	17-C	18-A	19-A	20-B
21-B	22-A	23-A	24-B	25-B
26-C	27-B	28-A	29-B	30-C
31-C	32-B	33-B	34-B	35-A
36-D	37-A	38-A	39-C	40-C
41-A	42-C	43-C	44-C	45-C
46-A	47-D	48-A	49-B	50-A

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