

RMS Intelligence Sectionals

PRACTICE PAPER

Exam: Rashtriya Military Schools CET – Intelligence

Time: 25 minutes

Max. marks: 25 questions

Questions: 25

NAME

ROLL NO. / DATE

Instructions

1. Series, coding, analogy, odd one out, directions and relations.
2. Answers are given at the end.

REASONING / INTELLIGENCE

1. Next number: 3, 6, 9, 12, ?
(A) 14 (B) 15
(C) 16 (D) 18
2. Next number: 1, 4, 9, 16, ?
(A) 20 (B) 25
(C) 24 (D) 36
3. Next letter group: AB, CD, EF, ?
(A) FG (B) GH
(C) HI (D) EG
4. Next number: 5, 11, 17, 23, ?
(A) 27 (B) 28
(C) 29 (D) 30
5. Missing number: 2, 6, 18, ?, 162
(A) 36 (B) 54
(C) 72 (D) 48
6. If PEN is written as QFO, how is INK written?
(A) JOL (B) JNL
(C) HOL (D) JOM
7. If 1 = A, 2 = B ..., then 3-1-20 spells
(A) CAT (B) BAT
(C) CAR (D) RAT
8. In a code ROAD = SPBE. Then WALK =
(A) XBML (B) XBMM
(C) VZKJ (D) XAML

9. Doctor : Hospital :: Teacher : ?
(A) Book (B) School
(C) Student (D) Class
10. Hand : Glove :: Foot : ?
(A) Toe (B) Shoe
(C) Leg (D) Walk
11. Odd one out:
(A) Rose (B) Lotus
(C) Lily (D) Banyan
12. Odd one out:
(A) 9 (B) 25
(C) 49 (D) 15
13. Odd one out:
(A) Tank (B) Rifle
(C) Cannon (D) Helmet
14. A man walks 5 km north, then 3 km east. In which direction is he from the start?
(A) North-west (B) North-east
(C) South-east (D) East
15. Facing east, you turn left twice. You now face
(A) North (B) South
(C) West (D) East
16. Your father's sister is your
(A) aunt (B) cousin
(C) niece (D) sister-in-law
17. A is B's brother. B is C's mother. A is C's
(A) father (B) uncle
(C) brother (D) grandfather
18. How many triangles are there in a square with both diagonals drawn?
(A) 4 (B) 6
(C) 8 (D) 10
19. Arrange in a meaningful order: 1. Seed 2. Fruit 3. Plant 4. Flower
(A) 1, 3, 4, 2 (B) 1, 2, 3, 4
(C) 3, 1, 4, 2 (D) 1, 4, 3, 2
20. Which word comes first in a dictionary?
(A) Major (B) March
(C) Marine (D) Magic
21. If today is Monday, what day will it be after 10 days?
(A) Wednesday (B) Thursday
(C) Friday (D) Tuesday

22. Find the odd pair:
- | | |
|------------|------------|
| (A) 2 – 4 | (B) 3 – 9 |
| (C) 4 – 16 | (D) 5 – 20 |
23. In a row Ram is 7th from the left and 10th from the right. How many children are in the row?
- | | |
|--------|--------|
| (A) 16 | (B) 17 |
| (C) 18 | (D) 15 |
24. Which letter is third after M in the English alphabet?
- | | |
|-------|-------|
| (A) O | (B) P |
| (C) Q | (D) N |
25. If $5 + 3 = 28$ and $6 + 2 = 48$, then $7 + 1 = ?$
- | | |
|---------|--------|
| (A) 68 | (B) 86 |
| (C) 614 | (D) 48 |

Practice set by Atulya Defence Academy – not an official paper. Answers are given at the end.

Answer key

1	2	3	4	5	6	7	8	9	10
B	B	B	C	B	A	A	A	B	B
11	12	13	14	15	16	17	18	19	20
D	D	D	B	C	A	B	C	A	D
21	22	23	24	25					
B	D	A	B	A					

Solutions & explanations

Q1 – (B) +3 each time.

Q2 – (B) Squares: $5^2 = 25$.

Q4 – (C) +6.

Q5 – (B) $\times 3$.

Q6 – (A) +1 to each letter.

Q8 – (A) +1: $W \rightarrow X$, $A \rightarrow B$, $L \rightarrow M$, $K \rightarrow L$.

Q11 – (D) Banyan is a tree; the others are flowers.

Q12 – (D) 15 is not a perfect square.

Q13 – (D) Helmet is protective gear, not a weapon.

Q15 – (C) Left from east $\rightarrow$ north; left again $\rightarrow$ west.

Q17 – (B) Mother's brother = maternal uncle.

Q18 – (C) 4 small triangles + 4 larger triangles (each made of two small ones) = 8.

Q20 – (D) Mag- < Maj- < Mar-.

Q21 – (B) $10 = 7 + 3 \Rightarrow$ Monday + 3 = Thursday.

Q22 – (D) In the others the second number is the square of the first ($2^2, 3^2, 4^2$); 5^2 is 25, not 20.

Q23 – (A) $7 + 10 - 1 = 16$.

Q24 – (B) $M \rightarrow N, O, P$.

Q25 – (A) First digit: $a - b$; then $a + b$: $5 - 3 = 2$, $5 + 3 = 8 \rightarrow 28$; $6 - 2 = 4$, $8 \rightarrow 48$; $7 - 1 = 6$, $8 \rightarrow 68$.