

AISSEE Intelligence

Sample Paper – 6

Duration: 30 Minutes

Maximum Marks: 50

Instructions

- This paper has **25 questions** carrying **2 marks** each. Total: **50 marks**.
- All questions are MCQs with four options (A/B/C/D). Choose the single correct answer.
- **No negative marking**. Wrong or blank answers carry zero marks.
- Attempt all questions. Do not leave any answer blank.

Section: Intelligence

Q1. What comes next in the series? 50, 45, 40, 35, __

- (A) 30
- (B) 25
- (C) 20
- (D) 28

Answer: (A)

Solution

Each term decreases by 5: $50 - 5 = 45$, $45 - 5 = 40$, $40 - 5 = 35$, $35 - 5 = 30$. Answer: 30.

Q2. Find the missing letter: A, E, I, M, __

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

Answer: (D)



Solution

Each letter advances by +4 positions: A(1)→E(5)→I(9)→M(13)→Q(17). Answer: **Q**.

Q3. Complete the analogy: **Cloud : Rain :: Volcano : __**

- (A) Smoke
- (B) Ash
- (C) Lava
- (D) Fire

Answer: (C)

Solution

A cloud produces rain; a volcano erupts and produces **lava**. Source → product analogy.

Q4. Which one does NOT belong to the group?

(A) Whale (B) Dolphin (C) Shark (D) Seal

- (A) Whale
- (B) Dolphin
- (C) Shark
- (D) Seal

Answer: (C)

Solution

Whale, Dolphin, and Seal are *mammals* that live in water. Shark is a *fish*. The odd one out is **Shark**.

Q5. If NOSE is coded as MTRD, how is HAIR coded?

- (A) GZHQ
- (B) HAIS
- (C) IBJS
- (D) FYGP



Answer: (A)

Solution

Each letter shifts -1 : $N \rightarrow M$, $O \rightarrow N$... wait, $N \rightarrow M$, $O \rightarrow N$? No: $N(14) \rightarrow M(13)$, $O(15) \rightarrow N(14)$, $S(19) \rightarrow R(18)$, $E(5) \rightarrow D(4)$. Applying to HAIR: $H(8) \rightarrow G(7)$, $A(1) \rightarrow Z(26)$, $I(9) \rightarrow H(8)$, $R(18) \rightarrow Q(17)$. Answer: **GZHQ**.

Q6. Pointing to a boy, a girl says, “His mother is the only daughter of my mother.” How is the girl related to the boy?

- (A) Sister
- (B) Aunt
- (C) Grandmother
- (D) Mother

Answer: (D)

Solution

The girl’s mother’s only daughter = the girl herself. The boy’s mother = the girl. Therefore the girl is the boy’s **mother**.

Q7. In a group of 100 students, 60 play football, 50 play basketball, and 30 play both. How many students play *neither*?

- (A) 30
- (B) 25
- (C) 15
- (D) 20

Answer: (D)

Solution

Students who play at least one sport = $60 + 50 - 30 = 80$. Students who play neither = $100 - 80 = 20$.



Q8. Find the next term: 2, 4, 8, 16, 32, __

- (A) 64
- (B) 48
- (C) 56
- (D) 72

Answer: (A)

Solution

Each term doubles: $2 \times 2 = 4$, $4 \times 2 = 8$, $8 \times 2 = 16$, $16 \times 2 = 32$, $32 \times 2 = 64$.

Q9. $7 : 49 :: 11 : \underline{\hspace{1cm}}$

- (A) 121
- (B) 132
- (C) 110
- (D) 99

Answer: (A)

Solution

The relationship is $n \rightarrow n^2$: $7^2 = 49$, so $11^2 = 121$.

Q10. A man starts facing North and turns 270° clockwise. Which direction is he now facing?

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

Answer: (B)

Solution

From North, 90° CW = East; 180° CW = South; 270° CW = **West**.



Q11. Using $A=1, B=2, \dots, Z=26$, the code for RED is $18 + 5 + 4 = 27$. By the same rule, what is the code for BLUE?

- (A) 45
- (B) 40
- (C) 35
- (D) 50

Answer: (B)

Solution

$B=2, L=12, U=21, E=5$. $\text{Sum} = 2 + 12 + 21 + 5 = 40$.

Q12. Find the odd one out: 8, 27, 64, 100

- (A) 100
- (B) 8
- (C) 27
- (D) 64

Answer: (A)

Solution

$8 = 2^3, 27 = 3^3, 64 = 4^3$ are all perfect cubes. $100 = 10^2$ is a perfect square but *not* a perfect cube. Odd one out: **100**.

Q13. Ravi introduces Priya saying, “She is the wife of my father’s only brother’s son.” How is Priya related to Ravi?

- (A) Cousin’s wife
- (B) Sister-in-law
- (C) Aunt
- (D) Niece

Answer: (A)



Solution

Ravi's father's only brother = uncle. Uncle's son = cousin. Cousin's wife = Priya. Priya is Ravi's **cousin's wife**.

Q14. FACE : HCEG :: LOCK : ____

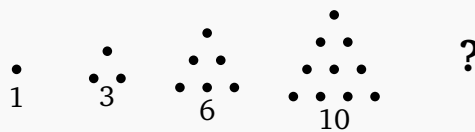
- (A) MNOP
- (B) MPEK
- (C) NQEM
- (D) OLEN

Answer: (C)

Solution

Each letter shifts +2: F→H, A→C, C→E, E→G giving HCEG. Applying to LOCK: L→N, O→Q, C→E, K→M. Answer: **NQEM**.

Q15. The dot patterns below follow a rule. How many dots come next?



- (A) 12
- (B) 15
- (C) 18
- (D) 21

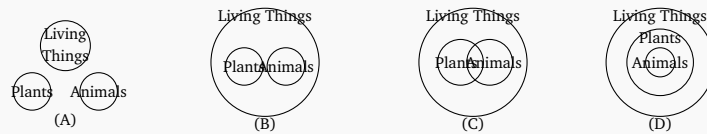
Answer: (B)

Solution

These are triangular numbers: 1, 3, 6, 10, ... Each adds one more than the previous: +2, +3, +4, +5. Next = 10 + 5 = **15**.



Q16. Which Venn diagram correctly shows the relation among: **Living Things, Plants, Animals**?



(A) A

(B) B

(C) C

(D) D

Answer: (B)

Solution

Plants and Animals are both Living Things, but they are separate groups with no overlap. The correct diagram shows two non-overlapping circles both inside a larger “Living Things” circle: **option B**.

Q17. Find the next term: 5, 11, 23, 47, __

(A) 85

(B) 90

(C) 95

(D) 100

Answer: (C)

Solution

Each term follows the rule $\times 2 + 1$: $5 \times 2 + 1 = 11$, $11 \times 2 + 1 = 23$, $23 \times 2 + 1 = 47$, $47 \times 2 + 1 = 95$.



Q18. If ROUND is coded as SPVOE, how is SQUARE coded?

- (A) TRVBSF
- (B) SQUARW
- (C) RQTZSF
- (D) URVBSF

Answer: (A)

Solution

Each letter shifts +1: $R \rightarrow S$, $O \rightarrow P$, $U \rightarrow V$, $N \rightarrow O$, $D \rightarrow E$ giving SPVOE. Applying to SQUARE: $S \rightarrow T$, $Q \rightarrow R$, $U \rightarrow V$, $A \rightarrow B$, $R \rightarrow S$, $E \rightarrow F$. Answer: **TRVBSF**.

Q19. Complete the analogy: **Library : Books :: Zoo : __**

- (A) Plants
- (B) People
- (C) Cages
- (D) Animals

Answer: (D)

Solution

A library is a place that houses books; a zoo is a place that houses **animals**. Place $\rightarrow$ contents analogy.

Q20. You walk 4 km East and then 3 km North. In which direction are you from your starting point?

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

Answer: (B)



Solution

Moving East and then North places you diagonally to the upper-right of your start, which is the **North-East** direction.

Q21. Which is the odd one out? Cobra, Python, Monitor Lizard, Frog

- (A) Cobra
- (B) Python
- (C) Monitor Lizard
- (D) Frog

Answer: (D)

Solution

Cobra, Python, and Monitor Lizard are all *reptiles*. Frog is an *amphibian*. Odd one out: **Frog**.

Q22. Rita is the sister of Mohan. How is Mohan's father related to Rita?

- (A) Uncle
- (B) Brother
- (C) Father
- (D) Grandfather

Answer: (C)

Solution

Rita and Mohan are siblings, so they share the same father. Mohan's father is also Rita's **father**.

Q23. Find the next term: 3, 5, 9, 17, 33, __

- (A) 55
- (B) 60
- (C) 62
- (D) 65



Answer: (D)

Solution

Each term = $2 \times \text{previous} - 1$: $2 \times 3 - 1 = 5$, $2 \times 5 - 1 = 9$, $2 \times 9 - 1 = 17$, $2 \times 17 - 1 = 33$,
 $2 \times 33 - 1 = 65$.

Q24. Statements: All roses are flowers. All flowers need water.
Which conclusion definitely follows?

- (A) Some roses do not need water.
- (B) Some flowers are not roses.
- (C) All roses need water.
- (D) No roses need water.

Answer: (C)

Solution

All roses are flowers (Statement 1) and all flowers need water (Statement 2). By syllogism, **all roses need water**. Conclusion C follows necessarily.

Q25. Find the next pair: AZ, BY, CX, DW, EV, __

- (A) EU
- (B) FU
- (C) GV
- (D) FV

Answer: (B)

Solution

First letters ascend: A, B, C, D, E, **F**. Second letters descend: Z, Y, X, W, V, **U**. Answer: **FU**.

Answer Key



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

