

AISSEE Intelligence

Sample Paper – 1

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? 3, 6, 12, 24, __

- (A) 36
- (B) 40
- (C) 42
- (D) 48

Answer: (D)

Solution

The series doubles each time: $3 \times 2 = 6$, $6 \times 2 = 12$, $12 \times 2 = 24$, $24 \times 2 = 48$.

Q2. Find the missing letter: B, E, H, K, __

- (A) L
- (B) M
- (C) N
- (D) O

Answer: (C)

Solution

Each letter jumps +3: B(2)→E(5)→H(8)→K(11)→N(14). Answer: N.



Q3. Complete the analogy: **Pen : Write :: Scissors : __**

- (A) Sew
- (B) Cut
- (C) Draw
- (D) Paint

Answer: (B)

Solution

A pen is used to write; scissors are used to **cut**. Tool → function analogy.

Q4. Which one does NOT belong to the group?

- (A) Rose (B) Mango (C) Sunflower (D) Lily
- (A) Rose
 - (B) Mango
 - (C) Sunflower
 - (D) Lily

Answer: (B)

Solution

Rose, Sunflower, and Lily are *flowers*. Mango is a *fruit*. The odd one out is **Mango**.

Q5. If CAT is coded as FDW, how is DOG coded?

- (A) GPJ
- (B) GQJ
- (C) GPI
- (D) GRJ

Answer: (D)



Solution

Each letter shifts +3: $C \rightarrow F$, $A \rightarrow D$, $T \rightarrow W$. Applying the same: $D \rightarrow G$, $O \rightarrow R$, $G \rightarrow J$. Answer: **GRJ**.

Q6. Pointing to a girl, Ravi says, “She is the daughter of my mother’s only son.” How is the girl related to Ravi?

- (A) Sister
- (B) Niece
- (C) Daughter
- (D) Cousin

Answer: (C)

Solution

Ravi’s mother’s only son = Ravi himself. So the girl is the daughter of Ravi. Answer: **Daughter**.

Q7. In a class of 40 students, 20 play cricket, 15 play football, and 8 play both. How many students play *neither*?

- (A) 13
- (B) 15
- (C) 17
- (D) 12

Answer: (A)

Solution

Players of at least one sport = $20 + 15 - 8 = 27$. Neither = $40 - 27 = 13$.



Q8. Find the missing number: 2, 5, 10, 17, 26, __

- (A) 35
- (B) 36
- (C) 37
- (D) 38

Answer: (C)

Solution

Differences: 3, 5, 7, 9, ... (odd numbers, +2 each time). Next difference = 11. $26 + 11 = 37$.

Q9. $4 : 16 :: 7 : \underline{\hspace{1cm}}$

- (A) 49
- (B) 42
- (C) 56
- (D) 28

Answer: (A)

Solution

The relationship is $n \rightarrow n^2$: $4^2 = 16$, so $7^2 = 49$.

Q10. Priya walks 5 km North, then turns right and walks 3 km East, then turns right and walks 5 km South. How far is she from the starting point and in which direction?

- (A) 3 km East
- (B) 3 km West
- (C) 5 km East
- (D) 8 km North-East

Answer: (A)



Solution

She walks: N(5 km) $\rightarrow$ E(3 km) $\rightarrow$ S(5 km). The north and south legs cancel. She is **3 km East** of the start.

Q11. If KING is coded as MKPI, how is LION coded?

- (A) NKPP
- (B) MJNO
- (C) NKQP
- (D) MKQO

Answer: (C)

Solution

Each letter shifts +2: K $\rightarrow$ M, I $\rightarrow$ K, N $\rightarrow$ P, G $\rightarrow$ I. Applying to LION: L $\rightarrow$ N, I $\rightarrow$ K, O $\rightarrow$ Q, N $\rightarrow$ P. Answer: **NKQP**.

Q12. Find the odd one out: 7, 11, 13, 17, 21

- (A) 21
- (B) 7
- (C) 11
- (D) 17

Answer: (A)

Solution

7, 11, 13, 17 are all prime numbers. $21 = 3 \times 7$ is composite. Odd one out: **21**.

Q13. A is the father of B. C is the mother of B. D is the brother of A. How is D related to B?

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



Answer: (A)

Solution

A is B's father. D is A's brother, so D is B's **Uncle**.

Q14. ACE : BDF :: MOQ : __

- (A) OPQ
- (B) MNO
- (C) NPR
- (D) QRS

Answer: (C)

Solution

Each letter in ACE moves +1 to give BDF. Applying to MOQ: M→N, O→P, Q→R. Answer: **NPR**.

Q15. The mirror image of the word **MIND** when the mirror is placed to the *right* of the word is:

- (A) DNIM
- (B) IM
- (C) PMIN
- (D) DNIP

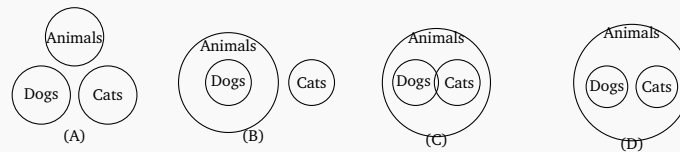
Answer: (B)

Solution

A mirror on the right reflects the word left-right: MIND becomes its reversed image, with each letter also mirrored. The correct option shows the horizontal flip of MIND.



Q16. Which diagram correctly shows the relation among: **Dogs, Animals, Cats**?



(A) A

(B) B

(C) C

(D) D

Answer: (D)

Solution

Dogs and Cats are both Animals (subsets of Animals) but are different groups (no overlap). The correct diagram shows two non-overlapping circles both inside a larger Animals circle: **option D**.

Q17. Find the next term: 1, 4, 9, 16, 25, __

(A) 30

(B) 36

(C) 32

(D) 40

Answer: (B)

Solution

The series is $1^2, 2^2, 3^2, 4^2, 5^2, \dots$. Next term: $6^2 = 36$.



Q18. If $1 = A$, $2 = B$, $3 = C$, ..., what word does **19-15-12-4-9-5-18** spell?

- (A) SOLDIER
- (B) KINGDOM
- (C) SOLDIER
- (D) CAPTAIN

Answer: (C)

Solution

$19 = S$, $15 = O$, $12 = L$, $4 = D$, $9 = I$, $5 = E$, $18 = R$. Spells **SOLDIER**.

Q19. Doctor : Hospital :: Teacher : ____

- (A) Library
- (B) School
- (C) College
- (D) Clinic

Answer: (B)

Solution

A doctor works in a hospital; a teacher works in a **school**. Person → workplace analogy.

Q20. If you face East and turn 90° clockwise, which direction are you now facing?

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

Answer: (D)



Solution

Facing East, a 90° clockwise turn moves to **South**.

Q21. Which is the odd one out? Circle, Square, Sphere, Triangle

- (A) Sphere
- (B) Circle
- (C) Square
- (D) Triangle

Answer: (A)

Solution

Circle, Square, and Triangle are 2-D (flat) shapes. Sphere is a 3-D solid. Odd one out: **Sphere**.

Q22. Neha says, “This boy is the son of my grandfather’s only child.” How is the boy related to Neha?

- (A) Brother
- (B) Nephew
- (C) Cousin
- (D) Son

Answer: (A)

Solution

Neha’s grandfather’s only child = Neha’s parent (say, father). The boy is the son of Neha’s father, so the boy is Neha’s **brother**.



Q23. Find the missing number: 5, 10, 20, 40, __, 160

- (A) 60
- (B) 70
- (C) 80
- (D) 90

Answer: (C)

Solution

Each term doubles: $5 \rightarrow 10 \rightarrow 20 \rightarrow 40 \rightarrow 80 \rightarrow 160$. Missing number: **80**.

Q24. All birds can fly. Penguin is a bird. Which conclusion follows?

- (A) Penguin can swim
- (B) Penguin cannot fly
- (C) Penguin is not an animal
- (D) Penguin can fly

Answer: (D)

Solution

Based *only* on the two given statements, the logical conclusion is: Penguin is a bird AND all birds can fly, so **Penguin can fly**. (Real-world knowledge is not used in syllogism questions.)

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

- (A) EF
- (B) FU
- (C) EV
- (D) EU

Answer: (C)



Solution

First letter goes A, B, C, D, E (ascending). Second letter goes Z, Y, X, W, V (descending).
Answer: EV.

Answer Key

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

