

AISSEE Intelligence

Sample Paper – 3

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? 5, 10, 20, 35, 55, __

- (A) 70
- (B) 75
- (C) 80
- (D) 85

Answer: (C)

Solution

The differences between consecutive terms are 5, 10, 15, 20, ... (increasing by 5 each time). The next difference is 25, so $55 + 25 = 80$.

Q2. Find the missing letter: A, C, F, J, O, __

- (A) U
- (B) S
- (C) T
- (D) V

Answer: (A)



Solution

The gaps increase by 1 each time: +2, +3, +4, +5, +6.
A(1)→C(3)→F(6)→J(10)→O(15)→U(21). Answer: U.

Q3. Complete the analogy: **Book : Read :: Food : __**

- (A) Eat
- (B) Cook
- (C) Taste
- (D) Drink

Answer: (A)

Solution

A book is meant to be read; food is meant to be **eaten**. Object → purpose analogy.

Q4. Which one does **NOT** belong to the group?

Red Heavy Green Blue

- (A) Red
- (B) Heavy
- (C) Green
- (D) Blue

Answer: (B)

Solution

Red, Green, and Blue are all *colours*. Heavy is a *weight descriptor*, not a colour. Odd one out: **Heavy**.



Q5. If MANGO is coded as NBOHP (each letter +1), how is APPLE coded?

- (A) BQQMF
- (B) BQPMF
- (C) CQQMF
- (D) BQQNF

Answer: (A)

Solution

Each letter shifts +1: A→B, P→Q, P→Q, L→M, E→F. Answer: **BQQMF**.

Q6. Pointing to a boy, Priya says, “Rakesh’s father is the only son of *my* grandfather.” How is Rakesh related to Priya?

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

Answer: (A)

Solution

Priya’s grandfather’s only son = Priya’s father. Rakesh’s father = Priya’s father. Therefore, Rakesh is Priya’s **brother**.

Q7. In a group of 50 people, 20 like tea, 30 like coffee, and 10 like *both*. How many like *neither*?

- (A) 5
- (B) 8
- (C) 15
- (D) 10

Answer: (D)



Solution

People who like at least one drink = $20 + 30 - 10 = 40$. Neither = $50 - 40 = 10$.

Q8. Find the next term in the series: 1, 1, 2, 6, 24, __

- (A) 48
- (B) 60
- (C) 100
- (D) 120

Answer: (D)

Solution

The series is the sequence of factorials: $0! = 1$, $1! = 1$, $2! = 2$, $3! = 6$, $4! = 24$, $5! = 120$.

Q9. $3 : 9 :: 5 : \underline{\hspace{1cm}}$

- (A) 25
- (B) 10
- (C) 15
- (D) 20

Answer: (A)

Solution

The relationship is $n \rightarrow n^2$: $3^2 = 9$, so $5^2 = 25$.

Q10. Arjun starts at point X, walks 6 km East, then turns South and walks 8 km. How far is he from point X?

- (A) 6 km
- (B) 8 km
- (C) 14 km
- (D) 10 km

Answer: (D)



Solution

The two legs are perpendicular. By the Pythagorean theorem: $\sqrt{6^2 + 8^2} = \sqrt{36 + 64} = \sqrt{100} = 10$ km.

Q11. If TABLE is coded as WDEOH (each letter +3), how is CHAIR coded?

- (A) FKDLV
- (B) GKDLU
- (C) FKDLU
- (D) FKELU

Answer: (C)

Solution

Each letter shifts +3: C→F, H→K, A→D, I→L, R→U. Answer: **FKDLU**.

Q12. Find the odd one out: 2, 3, 5, 7, 9

- (A) 2
- (B) 3
- (C) 5
- (D) 9

Answer: (D)

Solution

2, 3, 5, and 7 are all prime numbers. $9 = 3 \times 3$ is composite. Odd one out: **9**.

Q13. A is B's father. C is A's sister. How is C related to B?

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



Answer: (B)

Solution

A is B's father. C is A's sister (i.e., A's sibling). The sister of one's father is one's **aunt**. So C is B's aunt.

Q14. DEF : EFG :: PQR : __

- (A) PQR
- (B) RST
- (C) QRS
- (D) OPQ

Answer: (C)

Solution

Each letter in the group shifts +1: D→E, E→F, F→G. Applying to PQR: P→Q, Q→R, R→S. Answer: **QRS**.

Q15. Find the next term: 11, 22, 33, 44, __

- (A) 45
- (B) 48
- (C) 50
- (D) 55

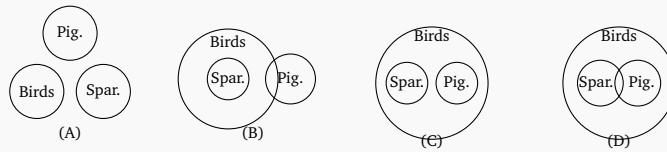
Answer: (D)

Solution

The series is multiples of 11: $11 \times 1, 11 \times 2, 11 \times 3, 11 \times 4, 11 \times 5 = 55$.



Q16. Which diagram best represents the relationship among: **Birds, Sparrows, Pigeons**?



(A) A

(B) B

(C) C

(D) D

Answer: (C)

Solution

Sparrows and Pigeons are both types of Birds (subsets of Birds) but are distinct species with no overlap. The correct diagram shows two non-overlapping circles, each inside the larger Birds circle: **option C**.

Q17. Find the next term: 7, 14, 28, 56, __

(A) 96

(B) 112

(C) 108

(D) 124

Answer: (B)

Solution

Each term is double the previous: $7 \times 2 = 14$, $14 \times 2 = 28$, $28 \times 2 = 56$, $56 \times 2 = 112$.



Q18. If $A = 1$, $B = 2$, $C = 3, \dots, Z = 26$, what word does 4–15–14–5 spell?

- (A) BONE
- (B) CONE
- (C) DONE
- (D) TONE

Answer: (C)

Solution

$4 = D$, $15 = O$, $14 = N$, $5 = E$. Decoded word: **DONE**.

Q19. Carpenter : Wood :: Blacksmith : __

- (A) Iron
- (B) Gold
- (C) Silver
- (D) Stone

Answer: (A)

Solution

A carpenter works with wood; a blacksmith works with **iron**. Craftsman $\rightarrow$ primary material analogy.

Q20. Meena faces South. She turns 90° anticlockwise. Which direction is she now facing?

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

Answer: (B)



Solution

Starting from South, a 90° anticlockwise turn moves to **East**. (Anticlockwise: $S \rightarrow E \rightarrow N \rightarrow W \rightarrow S$.)

Q21. Which is the odd one out? Mango, Banana, Pea, Grape

- (A) Mango
- (B) Banana
- (C) Pea
- (D) Grape

Answer: (C)

Solution

Mango, Banana, and Grape are sweet *fruits*. Pea is a *legume/vegetable*. Odd one out: **Pea**.

Q22. My father's father is my ___?

- (A) Grandfather
- (B) Uncle
- (C) Father
- (D) Great-uncle

Answer: (A)

Solution

The father of one's father is one's **grandfather**.

Q23. Find the next term: 2, 6, 12, 20, 30, ___

- (A) 36
- (B) 38
- (C) 40
- (D) 42



Answer: (D)

Solution

The differences between consecutive terms are 4, 6, 8, 10, ... (even numbers, +2 each time). Next difference = 12. $30 + 12 = 42$.

Q24. Consider the statements:

- Some cats are dogs.
- All dogs are animals.

Conclusion: *Some cats are animals*. Is this conclusion:

- (A) False
- (B) True
- (C) Cannot be determined
- (D) None of the above

Answer: (B)

Solution

From the first statement, some cats are dogs. From the second, all dogs are animals. Therefore, those cats that are dogs are also animals, so *some cats are animals* is **True**.

Q25. Find the next pair: ZA, YB, XC, WD, __

- (A) UF
- (B) VE
- (C) WE
- (D) VF

Answer: (B)

Solution

The first letter descends: Z, Y, X, W, V. The second letter ascends: A, B, C, D, E. Answer: VE.



Answer Key

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

