

AISSEE Intelligence

Sample Paper – 8

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? 1, 2, 4, 8, 16, __

- (A) 24
- (B) 32
- (C) 48
- (D) 64

Answer: (B)

Solution

Each term is multiplied by 2: $1 \times 2 = 2$, $2 \times 2 = 4$, $4 \times 2 = 8$, $8 \times 2 = 16$, $16 \times 2 = 32$.

Q2. Find the missing letter: Y, W, U, S, Q, __

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

Answer: (A)



Solution

Each letter decreases by 2 positions: $Y(25) \rightarrow W(23) \rightarrow U(21) \rightarrow S(19) \rightarrow Q(17) \rightarrow O(15)$.
Answer: **O**.

Q3. Complete the analogy: **Water : Thirst :: Food : __**

- (A) Sleep
- (B) Energy
- (C) Taste
- (D) Hunger

Answer: (D)

Solution

Water satisfies thirst; food satisfies **hunger**. The analogy is: substance $\rightarrow$ the need it fulfils.

Q4. Which one does NOT belong to the group? Walnut, Almond, Cashew, Cucumber

- (A) Walnut
- (B) Almond
- (C) Cucumber
- (D) Cashew

Answer: (C)

Solution

Walnut, Almond, and Cashew are dry fruits (nuts). Cucumber is a *vegetable*. Odd one out: **Cucumber**.



Q5. If LION is coded as MJPO (each letter shifted +1), how is BEAR coded?

- (A) CEAS
- (B) CFBS
- (C) BCRS
- (D) BFAR

Answer: (B)

Solution

Each letter shifts +1: $L \rightarrow M$, $I \rightarrow J$, $O \rightarrow P$, $N \rightarrow O$ gives MJPO. Applying to BEAR: $B \rightarrow C$, $E \rightarrow F$, $A \rightarrow B$, $R \rightarrow S$. Answer: **CFBS**.

Q6. X is Y's father. Y is the father of Z. How is X related to Z?

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

Answer: (D)

Solution

X is Y's father; Y is Z's father. So X is the father of Z's father, which makes X the **grandfather** of Z.

Q7. In a group of 200 workers, 120 know Hindi, 100 know English, and 60 know both languages. How many workers know *at least one* language?

- (A) 160
- (B) 180
- (C) 140
- (D) 200

Answer: (A)



Solution

By inclusion-exclusion: workers knowing at least one language = $120 + 100 - 60 = 160$.

Q8. Find the next term: 81, 27, 9, 3, __

- (A) 0
- (B) 1
- (C) 2
- (D) 3

Answer: (B)

Solution

Each term is divided by 3: $81 \div 3 = 27$, $27 \div 3 = 9$, $9 \div 3 = 3$, $3 \div 3 = 1$.

Q9. $4 : 64 :: 5 : \underline{\hspace{1cm}}$

- (A) 25
- (B) 100
- (C) 115
- (D) 125

Answer: (D)

Solution

The relationship is $n \rightarrow n^3$: $4^3 = 64$. Applying the same rule: $5^3 = 125$.

Q10. A man walks 10 km South, then 10 km East, then 10 km North. How far and in which direction is he from his starting point?

- (A) 10 km East
- (B) 10 km West
- (C) 10 km North
- (D) 20 km East

Answer: (A)



Solution

South(10 km) and North(10 km) cancel each other. He is left with 10 km East of the starting point. Answer: **10 km East**.

Q11. If FAST is coded as 6-1-19-20 (alphabetical position of each letter), what is the code for SLOW?

- (A) 19-15-12-23
- (B) 19-13-15-23
- (C) 19-12-15-23
- (D) 18-12-14-22

Answer: (C)

Solution

F(6), A(1), S(19), T(20). The code is the alphabetical position of each letter. For SLOW: S(19), L(12), O(15), W(23). Answer: **19-12-15-23**.

Q12. Find the odd one out: 14, 28, 42, 56, 70, 85

- (A) 14
- (B) 85
- (C) 56
- (D) 70

Answer: (B)

Solution

14, 28, 42, 56, and 70 are all multiples of 14 (14×1 through 14×5). $85 \div 14 \approx 6.07$, so 85 is *not* a multiple of 14. Odd one out: **85**.



Q13. Rohan says, “Shyam is the husband of the only daughter of my grandfather’s only son.” How is Shyam related to Rohan?

- (A) Uncle
- (B) Cousin
- (C) Brother-in-law
- (D) Son-in-law

Answer: (C)

Solution

Rohan’s grandfather’s only son = Rohan’s father. The only daughter of Rohan’s father = Rohan’s sister. Shyam is the husband of Rohan’s sister, so Shyam is Rohan’s **brother-in-law**.

Q14. LMN : OPQ :: RST : __

- (A) UVW
- (B) STU
- (C) VWX
- (D) PQR

Answer: (A)

Solution

Each letter in LMN shifts +3: L→O, M→P, N→Q. Applying to RST: R→U, S→V, T→W.
Answer: UVW.

Q15. Find the missing number: 2, 4, 12, 48, __

- (A) 200
- (B) 220
- (C) 240
- (D) 260

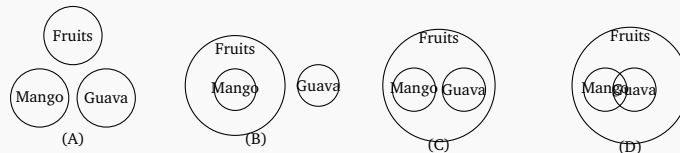
Answer: (C)



Solution

The multiplying factor increases by 1 each time: $2 \times 2 = 4$, $4 \times 3 = 12$, $12 \times 4 = 48$, $48 \times 5 = 240$.

Q16. Which diagram correctly shows the relation among: **Fruits**, **Mango**, **Guava**?



- (A) A
- (B) B
- (C) C
- (D) D

Answer: (C)

Solution

Mango and Guava are both fruits (subsets of Fruits) but are distinct types with no overlap. The correct diagram shows two separate circles for Mango and Guava both contained within the larger Fruits circle: **option C**.

Q17. Find the next term: 7, 14, 28, 56, 112, __

- (A) 168
- (B) 196
- (C) 210
- (D) 224

Answer: (D)

Solution

Each term is multiplied by 2: $7 \times 2 = 14$, $14 \times 2 = 28$, $28 \times 2 = 56$, $56 \times 2 = 112$, $112 \times 2 = 224$.



Q18. In a code, the alphabet is reversed ($A \leftrightarrow Z$, $B \leftrightarrow Y$, $C \leftrightarrow X$, ...). How is HELP coded?

- (A) SVOK
- (B) SVPO
- (C) HVLP
- (D) TVOQ

Answer: (A)

Solution

Reversed alphabet: $A \leftrightarrow Z$, $B \leftrightarrow Y$, ..., $H \leftrightarrow S$, $E \leftrightarrow V$, $L \leftrightarrow O$, $P \leftrightarrow K$. So $HELP \rightarrow H=S$, $E=V$, $L=O$, $P=K$. Answer: **SVOK**.

Q19. Complete the analogy: **Tailor : Needle :: Barber : __**

- (A) Scissors
- (B) Knife
- (C) Comb
- (D) Razor

Answer: (A)

Solution

A tailor's primary tool is a needle; a barber's primary cutting tool is **scissors**. Person $\rightarrow$ primary tool analogy.

Q20. A person is walking towards East. He takes a left turn. In which direction is he now walking?

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

Answer: (B)



Solution

Facing East, a left turn (anti-clockwise 90°) points towards **North**.

Q21. Which is the odd one out? Football, Hockey, Cricket, Chess

- (A) Football
- (B) Hockey
- (C) Cricket
- (D) Chess

Answer: (D)

Solution

Football, Hockey, and Cricket are outdoor field sports. Chess is a *board game* played indoors. Odd one out: **Chess**.

Q22. A's mother's sister's son is B. How is A related to B?

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

Answer: (D)

Solution

A's mother's sister = A's maternal aunt. The son of A's aunt = A's **cousin**. So A is also B's cousin. Answer: **Cousin**.

Q23. Find the next term: 4, 7, 12, 19, 28, __

- (A) 37
- (B) 38
- (C) 39
- (D) 40



Answer: (C)

Solution

Differences between consecutive terms: 3, 5, 7, 9, ... (increasing by 2). Next difference = 11. $28 + 11 = 39$.

Q24. Statements: All metals are good conductors. Iron is a metal.

Conclusion: Iron is a good conductor.

Is the conclusion:

- (A) True – the conclusion follows
- (B) False – the conclusion does not follow
- (C) Iron is not a conductor
- (D) Cannot be determined

Answer: (A)

Solution

All metals are good conductors (premise 1). Iron is a metal (premise 2). Logically: Iron must be a good conductor. The conclusion **follows**. Answer: **(A) True**.

Q25. Find the next pair: AB, BC, CD, DE, __

- (A) DF
- (B) EF
- (C) FG
- (D) EG

Answer: (B)

Solution

Each pair consists of two consecutive letters, and the pair shifts one letter forward each time: AB, BC, CD, DE, EF. Answer: **EF**.

Answer Key



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

