

AISSEE Intelligence

Sample Paper – 9

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? 500, 250, 125, 62.5, __

- (A) 15.25
- (B) 31.25
- (C) 62.5
- (D) 25.0

Answer: (B)

Solution

Each term is divided by 2: $500 \div 2 = 250$, $250 \div 2 = 125$, $125 \div 2 = 62.5$, $62.5 \div 2 = 31.25$.

Q2. Find the missing letter: D, H, L, P, __

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

Answer: (B)

Solution

Each letter advances by +4: D(4) $\rightarrow$ H(8) $\rightarrow$ L(12) $\rightarrow$ P(16) $\rightarrow$ T(20). Answer: T.



Q3. Complete the analogy: **Fish : Aquarium :: Lion : ____**

- (A) Forest
- (B) River
- (C) Jungle
- (D) Zoo

Answer: (D)

Solution

A fish is kept in an aquarium; a lion is kept in a **zoo**. Both represent an animal's captive/enclosed habitat. Animal → captive enclosure analogy.

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

Steel Coal Petrol Wood

- (A) Steel
- (B) Coal
- (C) Petrol
- (D) Wood

Answer: (A)

Solution

Coal, Petrol, and Wood are all *fuels* that can be burned to produce energy. Steel is a metal alloy, not a fuel. Odd one out: **Steel**.

Q5. Using the code $A = 1, B = 2, C = 3, \dots, Z = 26$, the word CLEAN is written as 3-12-5-1-14. How is DIRTY coded?

- (A) 4-9-18-20-25
- (B) 3-9-18-20-25
- (C) 4-9-17-20-25
- (D) 4-8-18-20-25

Answer: (A)



Solution

D= 4, I= 9, R= 18, T= 20, Y= 25. The code for DIRTY is 4-9-18-20-25.

Q6. Shyam's mother-in-law is Priya's mother. How is Shyam related to Priya?

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

Answer: (C)

Solution

Shyam's mother-in-law = his wife's mother = Priya's mother. So Priya is Shyam's wife's sister, making Shyam Priya's **brother-in-law**.

Q7. In a group of 40 workers, 25 speak French, 20 speak German, and 15 speak both. How many speak *neither* language?

- (A) 10
- (B) 5
- (C) 15
- (D) 20

Answer: (A)

Solution

Workers speaking at least one language = $25 + 20 - 15 = 30$. Neither = $40 - 30 = 10$.



Q8. Find the next term in the series: 2, 9, 28, 65, 126, __

- (A) 215
- (B) 217
- (C) 200
- (D) 220

Answer: (B)

Solution

The pattern is $n^3 + 1$: $1^3 + 1 = 2$, $2^3 + 1 = 9$, $3^3 + 1 = 28$, $4^3 + 1 = 65$, $5^3 + 1 = 126$, $6^3 + 1 = 217$.

Q9. 10 : 100 :: 12 : __

- (A) 132
- (B) 144
- (C) 120
- (D) 156

Answer: (B)

Solution

The relationship is $n \rightarrow n^2$: $10^2 = 100$, so $12^2 = 144$.

Q10. A is to the West of B. C is to the North of A. In which direction is C with respect to B?

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

Answer: (C)



Solution

A is West of B, and C is North of A. Relative to B, C is both to the West (via A) and to the North, so C is in the **North-West** direction from B.

Q11. If the code for WORD is DROW (letters reversed), what is the code for LION?

- (A) LOIN
- (B) LONI
- (C) NILO
- (D) NOIL

Answer: (D)

Solution

The coding rule is to reverse the letters of the word. Reversing LION: L-I-O-N $\rightarrow$ N-O-I-L = **NOIL**.

Q12. Find the odd one out: 36, 48, 73, 60

- (A) 36
- (B) 48
- (C) 73
- (D) 60

Answer: (C)

Solution

$36 = 3 \times 12$, $48 = 4 \times 12$, $60 = 5 \times 12$ — all are multiples of 12. 73 is a prime number and is not divisible by 12. Odd one out: **73**.



Q13. Ram has no brothers. Priya is the daughter-in-law of Ram's father. How is Priya related to Ram?

- (A) Sister
- (B) Mother
- (C) Daughter
- (D) Wife

Answer: (D)

Solution

Priya is the daughter-in-law of Ram's father, meaning she married one of Ram's father's sons. Since Ram has no brothers, Ram is the only son. Therefore, Priya is Ram's **wife**.

Q14. ZYX : WVU :: TSR : __

- (A) NML
- (B) OPN
- (C) PNO
- (D) QPO

Answer: (D)

Solution

Each triplet consists of three consecutive letters in descending order, and successive triplets are 3 positions earlier in the alphabet. ZYX(26-25-24) → WVU(23-22-21) → TSR(20-19-18) → QPO(17-16-15). Answer: **QPO**.

Q15. Find the next term: 5, 15, 45, 135, __

- (A) 375
- (B) 390
- (C) 405
- (D) 415

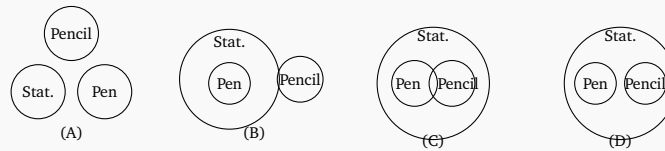
Answer: (C)



Solution

Each term is multiplied by 3: $5 \times 3 = 15$, $15 \times 3 = 45$, $45 \times 3 = 135$, $135 \times 3 = 405$.

Q16. Which diagram best represents the relationship among: **Stationery, Pen, Pencil**?



(A) A

(B) B

(C) C

(D) D

Answer: (D)

Solution

A pen and a pencil are both types of stationery (subsets of stationery) but are distinct items with no overlap between them. The correct diagram shows two separate non-overlapping circles, each fully inside the larger Stationery circle: **option D**.

Q17. Find the next term in the series: 10, 13, 19, 29, 43, __

(A) 55

(B) 57

(C) 59

(D) 61

Answer: (D)

Solution

The differences between consecutive terms are 3, 6, 10, 14, ... The second differences are 3, 4, 4, ... so the next difference = $14 + 4 = 18$. Next term = $43 + 18 = 61$.



Q18. In a certain code, RAIN is written as UDLQ (each letter +3). How is SNOW coded in that language?

- (A) VQRZ
- (B) VQRY
- (C) URQZ
- (D) VPRZ

Answer: (A)

Solution

Each letter shifts +3: R→U, A→D, I→L, N→Q confirms the rule. Applying to SNOW: S→V, N→Q, O→R, W→Z. Answer: **VQRZ**.

Q19. Complete the analogy: Architect : Building :: Sculptor : __

- (A) Museum
- (B) Canvas
- (C) Statue
- (D) Painting

Answer: (C)

Solution

An architect designs and creates a building; a sculptor carves and creates a **statue**.
Creator → creation analogy.

Q20. Ravi is heading North. He takes two consecutive left turns (90° each). Which direction is he now facing?

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

Answer: (A)



Solution

Starting from North: first left turn → West; second left turn → **South**. Each left turn is a 90° anticlockwise rotation.

Q21. Which is the odd one out? Pen, Pencil, Eraser, Stapler

- (A) Pen
- (B) Pencil
- (C) Eraser
- (D) Stapler

Answer: (C)

Solution

Pen, Pencil, and Stapler are all used to create or fix marks/bonds on paper. An **eraser** is used to *remove* marks from paper, making it the odd one out.

Q22. My father's only brother's wife's son is my ___?

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

Answer: (A)

Solution

My father's only brother is my uncle. My uncle's wife is my aunt. My uncle's son (my aunt's son) is my **cousin**.

Q23. Find the next term in the series: 1, 3, 6, 10, 15, ___

- (A) 18
- (B) 21
- (C) 24
- (D) 27



Answer: (B)

Solution

The series consists of triangular numbers; the differences increase by 1 each time: +2, +3, +4, +5, +6. Next term = $15 + 6 = 21$.

Q24. Consider the statements:

- All planets revolve around the Sun.
- Earth is a planet.

Conclusion: *Earth revolves around the Sun.* Is this conclusion:

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

Answer: (A)

Solution

From the first statement, all planets revolve around the Sun. Earth is a planet (second statement). By direct syllogism, Earth revolves around the Sun. The conclusion is **True**.

Q25. Find the next pair in the series: ZZ, YY, XX, WW, __

- (A) VV
- (B) UU
- (C) WW
- (D) TT

Answer: (A)

Solution

Each pair is a repeated letter, and the letter decreases by one each time: Z, Y, X, W, V. The next pair is **VV**.



Answer Key

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

