

SSC CGL T-I Similar Paper (Held on 13 Sep 2025 S2) English

Q.1 A's father's wife's only daughter is B. How is A related to B?

- A. Nephew
- B. Cousin
- C. Sibling
- D. Uncle

Answer: C

Sol: Information Given:

A's father's wife's only daughter is B.

Logic:

Father's wife = mother.

Short Trick:

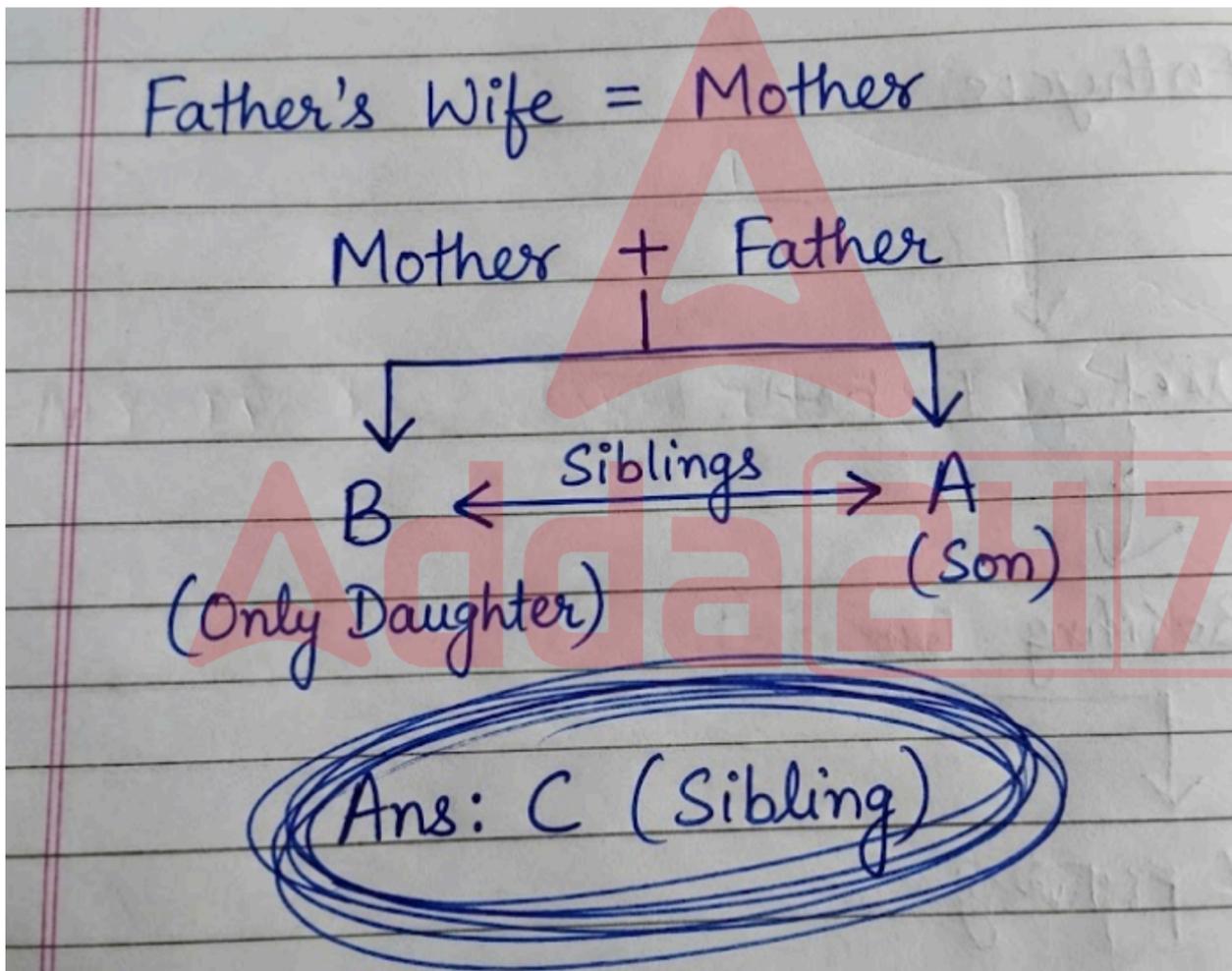
Father's wife = mother → daughter = sister.

Final Answer:

Sibling

Final Correct Option:

(C)



Q.2 A is the wife of B. B is the brother of C. C is the father of D. How is A related to D?

- A. Aunt
- B. Mother
- C. Sister-in-law
- D. Grandmother

Answer: A

Sol: Level 1 (The Parents' Generation):

A is the wife of B. (A is female, B is male).

B is the brother of C. (B and C are siblings. C is male since he is a father).

So, A (Wife) = B (Brother) — C (Father).

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Level 2 (The Children's Generation):

C is the father of D. (D is the child of C).

Place D below C.

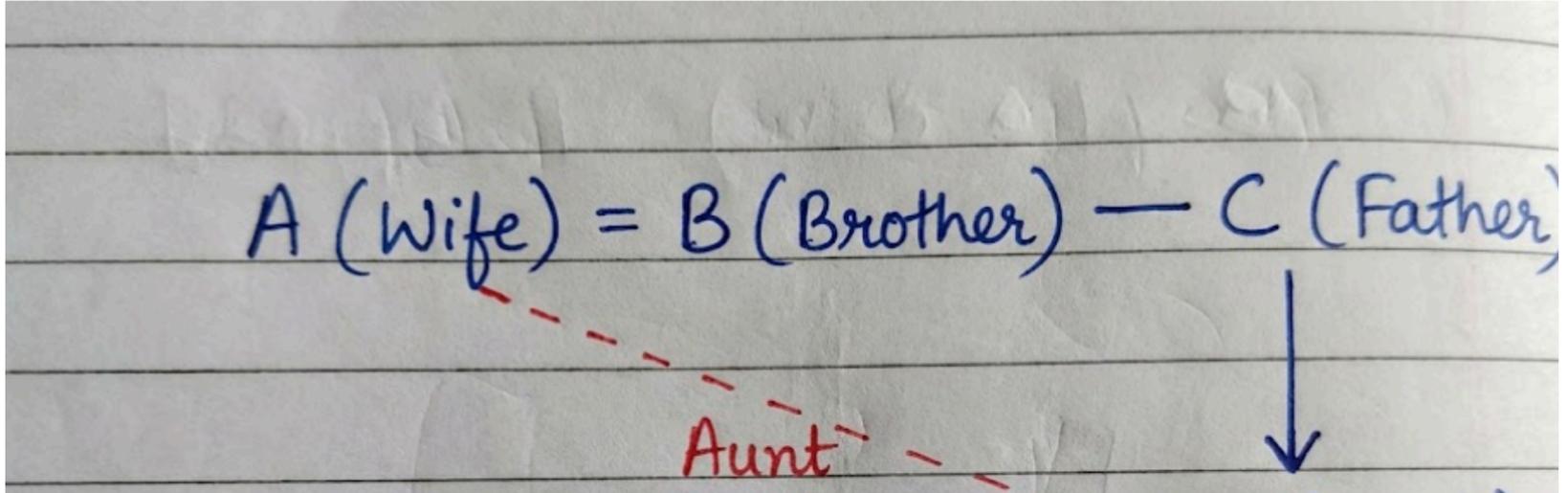
The Connection:

B is D's paternal Uncle (father's brother).

A is the wife of B.

Therefore, A is D's Aunt.

Logic Shortcut: Father's Brother's Wife = Aunt.



Q.3 Select the letters from among the given options that can replace the question mark (?) in the following series.

K, M, O, ?, S, U, ?, Y

- A. Q, X
- B. Q, W
- C. P, W
- D. R, W

Answer: B

Sol: Information Given:

Series: K, M, O, ?, S, U, ?, Y (letter positions 11,13,15,?,19,21,?,25).

Logic:

Odd-position alphabet numbers increase by 2 each step (arithmetic progression +2).

Explanation:

Logic: map letters → positions and add 2 each term.

Step-by-step:

Apply the rule (+2) step-by-step:

$11 \rightarrow 11 + 2 = 13$ (M)

$13 \rightarrow 13 + 2 = 15$ (O)

$15 \rightarrow 15 + 2 = 17 \rightarrow 17$ corresponds to Q (this fills the 4th term)

$17 \rightarrow 17 + 2 = 19$ (S)

$19 \rightarrow 19 + 2 = 21$ (U)

$21 \rightarrow 21 + 2 = 23 \rightarrow 23$ corresponds to W (this fills the 7th term)

$23 \rightarrow 23 + 2 = 25$ (Y)

Final Answer:

Q, W

Final Correct Option:

(b)

Q.4 Choose the odd one:

- A. 2, 4, 8
- B. 3, 9, 27
- C. 5, 25, 125
- D. 4, 16, 36

Answer: D

Sol: Logic:

Second number = square of first; third number = cube of first.

Explanation:

Logic: Check n , n^2 , n^3 pattern.

Step-by-step:

• A: $2, 2^2=4, 2^3=8$ ✓

• B: $3, 3^2=9, 3^3=27$ ✓

• C: $5, 5^2=25, 5^3=125$ ✓

• D: $4, 4^2=16, 4^3=64 \neq 36$ ✗

Final Answer:

4, 16, 36

Final Correct Option:

(D)

Q.5 If 'X' means '+', 'Y' means '-', 'Z' means 'x', and 'W' means '÷' what is the value of the following expression?

$15 W 3 X 2 Y 4 = ?$

- A. 1
- B. 3
- C. 5
- D. 7

Answer: B

Sol: Information Given:

X means '+'

Y means '-'

Z means 'x'

W means '÷'

Expression: $15 \div 3 + 2 - 4$ **Logic:**

Replace symbols, then apply BODMAS.

Explanation:

Logic: Decode symbols → evaluate using order of operations.

Step-by-step:

$$15 \div 3 + 2 - 4$$

$$= 5 + 2 - 4$$

$$= 7 - 4$$

$$= 3$$

Final Answer:

3

Final Correct Option:

(B)

Q.6 Complete the pattern: 120, 96, 76.8, 61.44, ?

- A. 60.27
- B. 78.91
- C. 47.89
- D. 49.152

Answer: D**Sol: Information Given:**

Series: 120, 96, 76.8, 61.44, ?

Logic:

Each term is multiplied by 0.8 constant factor.

Explanation:

Logic: Multiply by 0.8 each time.

Step-by-step:

$$120 \times 0.8 = 96$$

$$96 \times 0.8 = 76.8$$

$$76.8 \times 0.8 = 61.44$$

$$61.44 \times 0.8 = 49.152$$

Final Answer:

49.152

Final Correct Option:

(D)

Q.7 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

YMW, VJT, SGQ, PDN, ?

- A. TYD
- B. HGF
- C. MJH
- D. MAK

Answer: D**Sol: Information Given:**

Series: YMW, VJT, SGQ, PDN, ?

Logic:

Each letter in a position moves back by 3 in the alphabet each term.

Explanation:

First-position column:

$Y \rightarrow Y(25) - 3 = 22 \rightarrow V.$

$V(22) - 3 = 19 \rightarrow S.$

$S(19) - 3 = 16 \rightarrow P.$

$P(16) - 3 = 13 \rightarrow M.$

So sequence: Y, V, S, P, M.

Second-position column:

$M \rightarrow M(13) - 3 = 10 \rightarrow J.$

$J(10) - 3 = 7 \rightarrow G.$

$G(7) - 3 = 4 \rightarrow D.$

$D(4) - 3 = 1 \rightarrow A.$

So sequence: M, J, G, D, A.

Third-position column:

$W \rightarrow W(23) - 3 = 20 \rightarrow T.$

$T(20) - 3 = 17 \rightarrow Q.$

$Q(17) - 3 = 14 \rightarrow N.$

$N(14) - 3 = 11 \rightarrow K.$

So sequence: W, T, Q, N, K.

Final Answer:

MAK

Final Correct Option:

(D)

Q.8 Ten persons are sitting in two parallel rows containing five persons each, such that there is an equal distance between adjacent persons.

Line 1: Five men (A-E) are seated and all of them are facing South.

Line 2: Five women (M-Q) are seated and all of them are facing North.

Based on the arrangement, answer the question:

D is opposite to M.

M is at one of the extreme ends of Line 2.

O is at the center position of Line 2.

Who is second to the right of M in Line 2 (facing North)?

- A. O
- B. M
- C. A
- D. N

Answer: A

Sol: Information Given:

- Two parallel rows of 5 each
- Line 1: Men A-E facing South
- Line 2: Women M-Q facing North
- D is opposite to M
- M is at one extreme end of Line 2
- O is at the center of Line 2

Question:

Who is second to the right of M in Line 2 (facing North)?

Explanation:

Logic: Facing North → right side is towards our right.

Step-by-step:

- Line 2 has 5 seats → positions 1 2 3 4 5
- O is at center → position 3
- M is at an extreme end
- If M were at position 5, there would be no "right" side → not possible
- Hence M is at position 1

Arrangement (Line 2, left → right):

M N O P Q

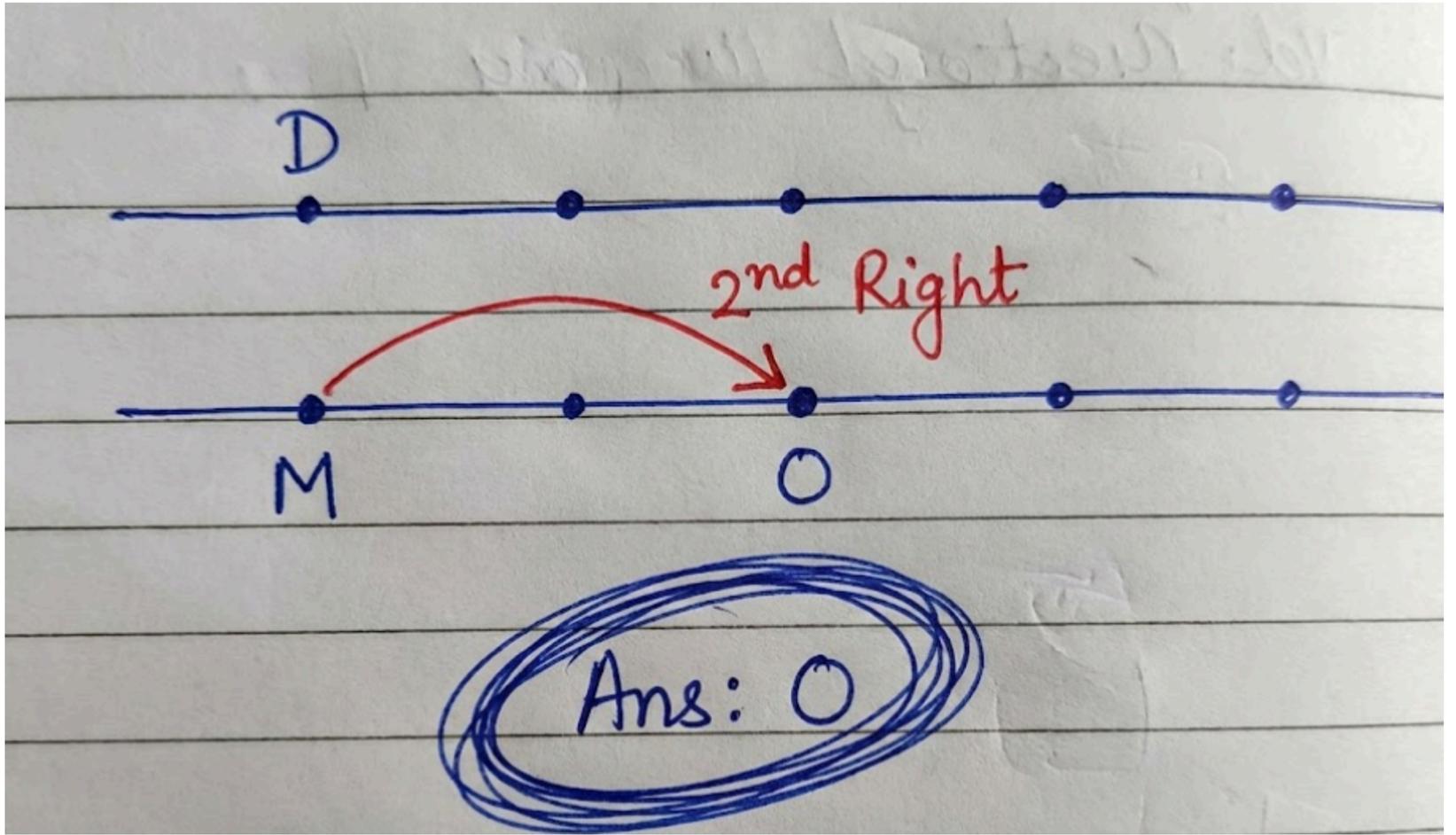
Second to the right of M = position 3 = O

Final Answer:

O

Final Correct Option:

(A)



Q.9 Which of the following is/are identical to the address given: Sunil Kumar 21/4, Ashok Vihar, Delhi, 110052

1. Sunil Kumar 21/4, Ashok Vihar, Delhi, 1100522
2. Sunil Kumar 21/4, Ashok Vihar, Delhi, 110052
3. Sunil Kumar 21/4, Ashok Vihar, New Delhi, 110052
4. Sunil Kumar 21/4, Ashok Vihar, Delhi, 110053

- A. 1 Only
- B. 3 Only
- C. 2 Only
- D. 4 Only

Answer: C

Sol: Information Given:

Original address details:
Name: Sunil Kumar
House No.: 21/4
Locality: Ashok Vihar
City: Delhi
PIN code: 110052

Formula Used:

Exact character-by-character comparison
(Name + locality + city + PIN code)

Explanation:

Option 1:

PIN code has an extra digit (1100522) ✗

Option 2:

Name, address, city, and PIN code all match exactly ✓

Option 3:

"New Delhi" ≠ "Delhi" ✗

Option 4:

PIN code differs (110053 ≠ 110052) ✗

Only Option 2 is completely identical.

Final Answer:

Only Option 2 matches the original address exactly.

Q.10 In each of the following questions, a group of three numbers/symbols is given in each option. Identify the group that does NOT follow the same pattern as the others.

- A. Z1\$: Y2# : X3@
- B. W4% : V5^ : U6&
- C. T7* : S8(: R9)
- D. Q10\$: P11\$: O12\$

Answer: D

Sol: Information Given:

Options (letter–number–symbol groups):

- A) Z1\$: Y2# : X3@
- B) W4% : V5^ : U6&
- C) T7* : S8(: R9)
- D) Q10\$: P11\$: O12\$

Logic:

Letters decrease by 1, numbers increase by 1, symbols also change stepwise.

Explanation:

Logic: Check all three components (letter, number, symbol).

Step-by-step:

- A: Z→Y→X (-1), 1→2→3 (+1), \$→#→@ (changes) ✓
- B: W→V→U (-1), 4→5→6 (+1), %→^→& (changes) ✓
- C: T→S→R (-1), 7→8→9 (+1), *→(→) (changes) ✓
- D: Q→P→O (-1), 10→11→12 (+1), \$→\$→\$ (no change) ✗

Only option D breaks the symbol-change pattern.

Final Answer:

Q10\$: P11\$: O12\$

Final Correct Option:

(D)

Q.11 Find the best option that best completes the analogy.

CAB : EDF :: GIH : ?

- A. JKL

- B. KJI
- C. ILL
- D. JLI

Answer: C

Sol: Analogy:

CAB : EDF :: GIH : ?

Logic:

Each letter is shifted forward by increasing steps (+2, +3, +4).

Explanation:

Logic: Compare corresponding letters position-wise.

Step-by-step:

CAB → EDF

C(3) → E(5) = +2

A(1) → D(4) = +3

B(2) → F(6) = +4

Apply same to GIH:

G(7) +2 = I(9)

I(9) +3 = L(12)

H(8) +4 = L(12)

Result = **ILL**

Final Answer:

ILL

Final Correct Option:

(C)

Q.12 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series:

RBEH, RGOW, RLYL, RQIA, ?

- A. RVSP
- B. RVSH
- C. RVHS
- D. RSVP

Answer: A

Sol: Information Given:

Series: RBEH, RGOW, RLYL, RQIA, ?

Logic:

Columns progress independently: 1st fixed, 2nd +5, 3rd +10 (mod26), 4th +15 (mod26).

Explanation:

1st column (k = 0):

R → R → R → R → R (always R).

(R = 18 → 18 + 0 = 18 → R)

2nd column (k = +5):

B(2) +5 = 7 → G.

G(7) +5 = 12 → L.

L(12) +5 = 17 → Q.

Q(17) +5 = 22 → V.

Next letter in column 2 = V.

3rd column (k = +10):

E(5) +10 = 15 → O.

O(15) +10 = 25 → Y.

Y(25) +10 = 35 → 35 - 26 = 9 → I.

I(9) +10 = 19 → S.

Next letter in column 3 = S.

Q.14 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series:
CDEF, CKSA, CRGV, CYUQ, ?

- A. CEHK
- B. CFHK
- C. CFHL
- D. CFIL

Answer: D

Sol: Information Given:

CDEF, CKSA, CRGV, CYUQ, ?

Logic:

Letters in each position follow a fixed independent pattern.

Explanation:

• **1st letter:** C, C, C, C → constant → **C**

• **2nd letter:**

D(4) → K(11) → R(18) → Y(25)

Pattern: +7 each time → next = 25 + 7 = 32 → wrap = **F(6)**

• **3rd letter:**

E(5) → S(19) → G(7) → U(21)

Pattern: +14, +14, +14 → next = 21 - 12 = **I(9)**

• **4th letter:**

F(6) → A(1) → V(22) → Q(17)

Pattern: -5 each time → next = 17 - 5 = **L(12)**

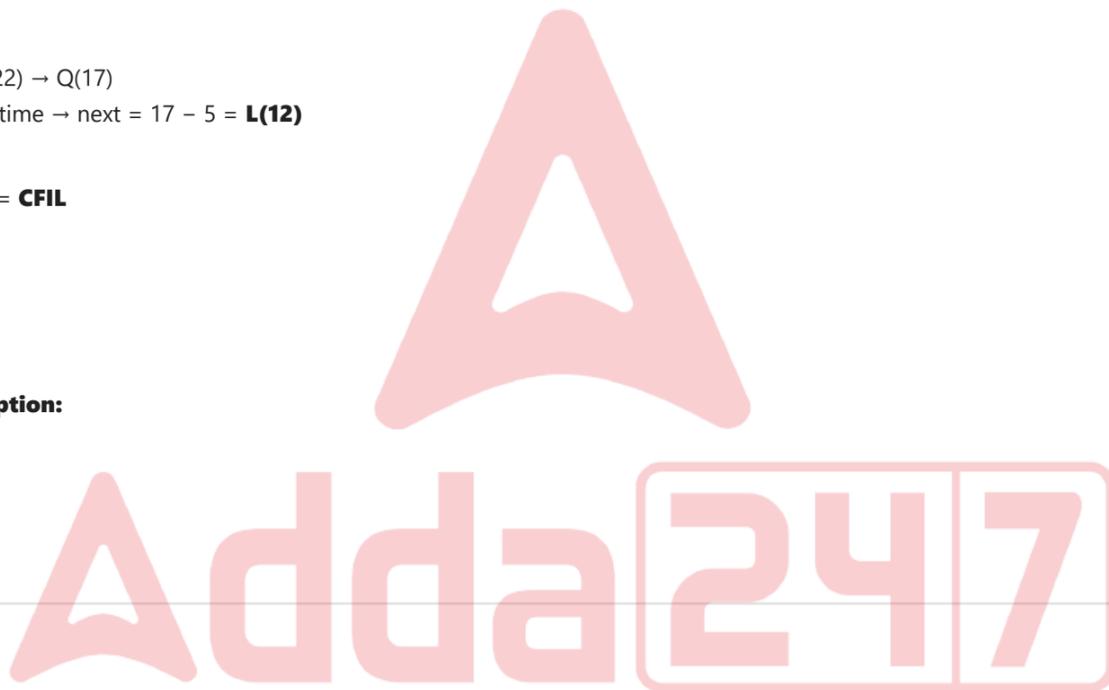
So missing term = **CFIL**

Final Answer:

CFIL

Final Correct Option:

(D)



Q.15 Each of the letters in the word CONTRAST is arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter that is first from the left and the one that is fifth from the right in the new letter-cluster formed?

- A. 10
- B. 12
- C. 15
- D. 11

Answer: B

Sol: Information Given:

Word: CONTRAST

Task: Arrange letters in alphabetical order, then find how many letters lie between

- the 1st letter from the left and
- the 5th letter from the right.

Explanation:

• Letters of CONTRAST in alphabetical order:

A, C, N, O, R, S, T

• 1st from the left = A

• 5th from the right = N (from right: T(1), S(2), R(3), O(4), N(5))

• Alphabetical positions:

A = 1, N = 14

• Letters between A and N = 14 - 1 - 1 = 12

Final Answer:

12

Final Correct Option:

(B)

Q.16 Find the option that best completes the analogy.

DP: XZ :: EN:?

- A. YZ
- B. YB
- C. ZB
- D. YX

Answer: D

Sol: Analogy:

DP : XZ :: EN : ?

Logic:

1st letter +20, 2nd letter +10.

Explanation:

Logic: First letter $\rightarrow +20$, Second letter $\rightarrow +10$.

Step-by-step:

DP \rightarrow XZ

- D(4) + 20 = X(24)
- P(16) + 10 = Z(26)

Apply same to EN:

- E(5) + 20 = Y(25)
- N(14) + 10 = X(24)

So, EN \rightarrow YX

Final Answer:

YX

Final Correct Option:

(D)



Q.17 In each of the following questions, a specific rearrangement pattern is applied to the first word to form the second. Identify the same pattern and apply it to the third word to determine the correct answer from the given alternatives.

AROUND : RAUODN :: GROUND : ?

- A. RGUODN
- B. NDOOGR
- C. OUNDGR
- D. DNUURG

Answer: A

Sol: Information Given:

AROUND : RAUODN :: GROUND : ?

Logic:

Letters are rearranged by swapping positions in fixed pairs.

Explanation:

Logic: Swap letters in positions (1 \leftrightarrow 2), (3 \leftrightarrow 4), (5 \leftrightarrow 6).

Step-by-step:

AROUND

Positions: 1 2 3 4 5 6

Letters: A R O U N D

After swap: R A U O D N \rightarrow RAUODN ✓

Apply same to GROUND:

Positions: 1 2 3 4 5 6

Letters: G R O U N D

After swap: R G U O D N → RGUODN

Final Answer:

RGUODN

Final Correct Option:

(A)

Q.18 Which of the following addresses are identical to each other:

1. S. Iyer 17-D, Coral Residency, Thiruvananthapuram, 695014
2. S. Iyer 17-D, Coral Residency, Thiruvananthapuram, 695014
3. S. Iyer 17-D Coral Residency, Thiruvananthapuram, 695014
4. S. Iyer 17-D Coral Residency, Thiruvananthapuram, 695013

- A. 1 and 2
- B. 1 and 3
- C. 2 and 4
- D. 3 and 4

Answer: A

Sol: S. Iyer 17-D, Coral Residency, Thiruvananthapuram, 695014
 S. Iyer 17-D, Coral Residency, Thiruvananthapuram, 695014
 S. Iyer 17-D Coral Residency, Thiruvananthapuram, 695014
 S. Iyer 17-D Coral Residency, Thiruvananthapuram, 695013

SOLVE THE QUESTION

SOLUTION FORMAT (ALWAYS EXACT)

1. Information Given:

Four addresses are given.

We must find addresses that are exactly identical (same spelling, punctuation, and PIN code).

2. Formula Used:

Direct comparison of:

Name spelling

Address punctuation

City

PIN code

3. Explanation:

Address 1 and 2:

Completely identical

Same name spelling "Iyer"

Same commas

Same PIN 695014

Address 3:

Missing comma after "17-D" → not identical

Address 4:

"Iyer" ≠ "Iyer"

PIN 695013 ≠ 695014

Thus, only Address 1 and Address 2 match exactly.

Final Answer:

The identical addresses are 1 and 2.

FINAL ANSWER:

1 and 2

Final Correct Option: (A)

Q.19 In each of the following questions, a group of three numbers/symbols is given in each option. Identify the group that does NOT follow the same pattern as the others.

- A. M13 : J10 : G7
- B. Z26 : W23 : T20
- C. D4 : A1 : X24

D. H8 : E6 : B4

Answer: D

Sol: Information Given:

- A) M13 : J10 : G7
- B) Z26 : W23 : T20
- C) D4 : A1 : X24
- D) H8 : E6 : B4

Logic:

Letters move backward by 3 positions, numbers also decrease by 3 each step.

Explanation:

Logic: Check backward movement in letters and -3 in numbers.

Step-by-step:

- A: M(13) → J(10) → G(7) ✓
- B: Z(26) → W(23) → T(20) ✓
- C: D(4) → A(1) → X(24) ✓
- D: H(8) → E(6) → B(4) but numbers given are 8,6,4 ✗ (-2 pattern)

Thus, only option D breaks the -3 pattern.

Final Answer:

H8 : E6 : B4

Final Correct Option:

(D)

Q.20 In each of the following questions, the second group of letters is formed from the first using a specific alphabetical transformation. Apply the same pattern to the third group and find the correct option that completes the analogy.

QDXM : SFYN :: UIOZ : ?

- A. PAQM
- B. LPWA
- C. QNLA
- D. WKPA

Answer: D

Sol: Information Given:

QDXM : SFYN :: UIOZ : ?

Logic:

Letters are shifted forward by a fixed pattern.

Explanation:

Logic: Observe alphabetical increment position-wise.

Step-by-step:

- Q → S = +2
- D → F = +2
- X → Y = +1
- M → N = +1

Pattern = +2, +2, +1, +1

Apply to UIOZ:

- U +2 = W
- I +2 = K
- O +1 = P
- Z +1 = A (wrap around)

Result = WKPA

Final Answer:

WKPA

Final Correct Option:

(D)

Q.21 In the following question, select the related word from the given alternatives.

Architect : Design :: Chef : ?

- A. Cook
- B. Serve
- C. Recipe
- D. Food

Answer: D

Sol: Information Given:

Architect : Design :: Chef : ?

Logic:

Relation is between a professional and what they **create/prepare as a plan**.

Explanation:

Logic: Architect creates a **design** before construction; similarly, a chef creates a **recipe** before cooking.

Step-by-step:

- Architect → Design (plan/blueprint)
- Chef → Recipe (plan for cooking)

Final Answer:

Recipe

Final Correct Option:

(C)

Why not other-

Cook is an action/verb (what a chef does).

Serve is an activity done after cooking.

Food is the final product/output.

Q.22 In the following question, select the related word from the given alternatives.

Utilitarianism : Consequence :: Deontology : ?

- A. Virtue
- B. Duty
- C. Intention
- D. Value

Answer: B

Sol: Information Given:

Utilitarianism : Consequence :: Deontology : ?

Logic:

Utilitarianism = result-based, Deontology = rule/duty-based.

Explanation:

Logic: Match theory with what it primarily emphasizes.

Step-by-step:

- Utilitarianism judges actions by their **consequences** ✓
- Deontology judges actions by **duty/rules**, not outcomes ✓

Thus, Deontology → Duty.

Final Answer:

Duty

Final Correct Option:

(B)

Q.23 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
PQR, STU, VWX, ?

- A. YZD
- B. YVA
- C. YZA
- D. DFR

Answer: C

Sol: Information Given:

Series: PQR, STU, VWX ; find next cluster. Reference: uploaded question set.

Logic:

Each letter in a position advances by +3 in the alphabet (wrap after Z).

Explanation:

Treat letters as their alphabetical positions and add 3 (showing mapping):

Applying +3 to each letter of the last given cluster VWX yields:

$$P \rightarrow P(16) + 3 = 19 \rightarrow S.$$

$$S \rightarrow S(19) + 3 = 22 \rightarrow V.$$

$$V \rightarrow V(22) + 3 = 25 \rightarrow Y.$$

So first-position sequence: P, S, V, Y.

$$Q \rightarrow Q(17) + 3 = 20 \rightarrow T.$$

$$T \rightarrow T(20) + 3 = 23 \rightarrow W.$$

$$W \rightarrow W(23) + 3 = 26 \rightarrow Z.$$

So second-position sequence: Q, T, W, Z.

$$R \rightarrow R(18) + 3 = 21 \rightarrow U.$$

$$U \rightarrow U(21) + 3 = 24 \rightarrow X.$$

$$X \rightarrow X(24) + 3 = 27 \rightarrow (\text{wrap}) 1 \rightarrow A.$$

So third-position sequence: R, U, X, A.

Final Answer:

YZA

Final Correct Option:

(c)

Q.24 B is the daughter of A. C is the husband of B. D is the son of C. How is A related to D?

- A. Father
- B. Grandfather
- C. Grandmother
- D. Cannot be determined

Answer: D

Sol: Information Given:

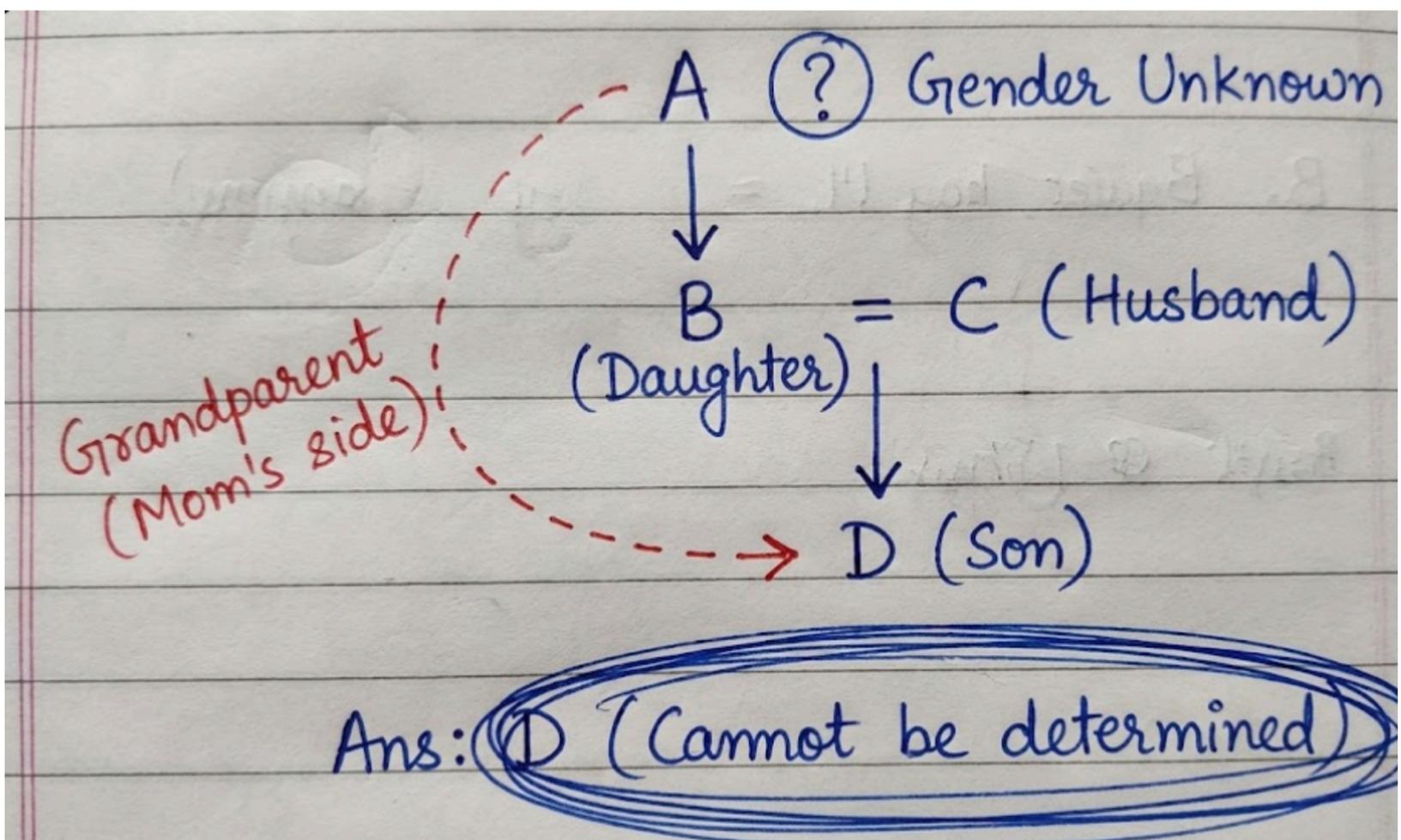
- B is the daughter of A
- C is the husband of B
- D is the son of C

Final Answer:

Gender is not defined.

Final Correct Option:

D



Q.25 If '+' means '-', '-' means '+', 'x' means '÷', then $50 + 10 - 5 \times 5 = ?$

- A. 41
- B. 60
- C. 65
- D. 70

Answer: A

Sol: Information Given:

- '+' means '-'
- '-' means '+'
- 'x' means '÷'

Expression:

$$50 + 10 - 5 \times 5$$

Logic:

First replace the symbols, then apply BODMAS.

Explanation:

Logic: Decode symbols → solve.

Step-by-step:

$$\begin{aligned} 50 + 10 - 5 \times 5 \\ = 50 - 10 + 5 \div 5 \\ = 51 - 10 \\ = 41 \end{aligned}$$

Final Answer:

41

Final Correct Option:

(A)

Q.26 The orbit of geostationary satellites is:

- A. Polar
- B. Elliptical low-earth
- C. Circular equatorial
- D. Sun-synchronous

Answer: C

Sol: The correct answer is **(C) Circular equatorial**

Explanation:

- A geostationary orbit (GEO) is a circular orbit 35,786 kilometres above the Earth's equator and following the direction of the Earth's rotation.
- An object in such an orbit has an orbital period equal to the Earth's rotational period (one sidereal day), and thus appears motionless, at a fixed position in the sky, to ground observers.
- Because the satellite stays over the same spot, it is ideal for telecommunications and weather monitoring.

Information Booster:

- **Altitude:** Approximately 36,000 km.
- **Inclination:** The inclination of a geostationary orbit is 0 degrees, meaning it lies directly above the equator.
- **Clarke Orbit:** It is also known as the Clarke Orbit, named after science fiction writer Arthur C. Clarke who popularized the concept.

Additional Knowledge:

- **Polar Orbit (Option A):** Satellites pass over the Earth's poles; often used for mapping and reconnaissance.
- **Elliptical (Option B):** Used for specific coverage areas, such as the Molniya orbit used by Russia for high-latitude communication.
- **Sun-synchronous (Option D):** A nearly polar orbit where the satellite passes over any given point of the Earth's surface at the same local solar time.

Q.27 The Chief Minister of a state is appointed by:

- President
- Governor
- Prime Minister
- State Assembly

Answer: B

Sol: The correct answer is **(B) Governor**

Explanation:

- According to Article 164 of the Indian Constitution, the Chief Minister shall be appointed by the Governor and the other Ministers shall be appointed by the Governor on the advice of the Chief Minister.
- In accordance with the conventions of the parliamentary system of government, the Governor has to appoint the leader of the majority party in the state legislative assembly as the Chief Minister.
- When no single party has a clear majority in the assembly, the Governor may exercise his personal discretion in the selection and appointment of the Chief Minister.

Information Booster:

- **Article 163:** Provides for a Council of Ministers with the Chief Minister at the head to aid and advise the Governor.
- **Eligibility:** A person who is not a member of the state legislature can be appointed as Chief Minister for six months, within which time, he should be elected to the state legislature.

Additional Knowledge:

- **President (Option A):** The President appoints the Prime Minister and other Union Ministers, but not the State Chief Ministers.
- **Prime Minister (Option C):** The Prime Minister is the head of the Union Council of Ministers and has no formal role in the constitutional appointment of a State CM.
- **State Assembly (Option D):** While the CM must enjoy the confidence of the Assembly, the formal act of appointment is performed by the Governor.

Q.28 Arrange the following ancient sites in chronological order based on the development of temple architecture:

A. Ellora B. Ajanta C. Badami

- B-C-A
- C-A-B
- B-A-C
- A-B-C

Answer: A

Sol: The correct answer is **(A) B-C-A**

Explanation:

- **Ajanta (B):** The oldest among the three, with caves dating from the 2nd century BCE to about 480 or 650 CE. These are primarily Buddhist rock-cut

monuments.

- **Badami (C):** Famous for its Chalukyan rock-cut temples, specifically the cave temples dating to the late 6th century CE (c. 578 CE).
- **Ellora (A):** Represents the later peak of rock-cut architecture, with monuments dating from roughly 600 to 1000 CE, including the famous Kailasa temple (8th century CE).

Information Booster:

- **UNESCO Heritage:** Both Ajanta and Ellora are UNESCO World Heritage sites in Maharashtra.
- **Architectural Styles:** Ajanta is purely Buddhist; Badami shows early Chalukyan (Vesara) elements; Ellora is a mix of Hindu, Buddhist, and Jain traditions.

Additional Knowledge:

- **Option B (C-A-B):** Incorrect as Ajanta precedes the Chalukyan structures at Badami.
- **Option D (A-B-C):** Incorrect as it reverses the chronological order entirely.

Q.29 Assertion (A): The novel 'The White Tiger' highlights social inequalities in modern India.
Reason (R): The novel primarily documents ancient Indian history.

- A. Both A and R are true, and R explains A
- B. Both A and R are true, but R does not explain A
- C. A is true, but R is false
- D. A is false, but R is true

Answer: C

Sol: The correct answer is **(C) A is true, but R is false**

Explanation:

- **Assertion (A) is True:** 'The White Tiger' by Aravind Adiga (2008) provides a dark and humorous perspective on India's class struggle and social inequality through the eyes of the protagonist, Balram Halwai.
- **Reason (R) is False:** The novel is a contemporary work set in modern-day India (specifically Delhi and Bangalore) and focuses on the divide between the 'Light' (rich/modern India) and the 'Darkness' (rural/poor India). It does not document ancient history.

Information Booster:

- **Man Booker Prize:** Aravind Adiga won the Man Booker Prize in 2008 for this debut novel.
- **Themes:** Key themes include corruption, globalization, the caste system, and the concept of the 'Rooster Coop' (socio-economic entrapment).

Additional Knowledge:

- In 'Assertion-Reason' questions, if the reason provided is factually incorrect (as it is here regarding ancient history), the correct option is typically 'C'.

Q.30 The Digital India initiative primarily focuses on:

- A. Agricultural reforms
- B. Digital infrastructure and services
- C. Defence modernization
- D. Space research

Answer: B

Sol: The correct answer is **(B) Digital infrastructure and services**

Explanation:

- Digital India is a flagship programme launched in 2015 to transform India into a digitally empowered society and knowledge economy.
- The initiative has three core components: creation of digital infrastructure, delivering services digitally, and digital literacy.
- It aims to ensure that government services are available to citizens electronically by improving online infrastructure and by increasing Internet connectivity.

Information Booster:

- **Nine Pillars:** These include Broadband Highways, Universal Access to Mobile Connectivity, Public Internet Access Programme, e-Governance, e-Kranti (Electronic Delivery of Services), Information for All, Electronics Manufacturing, IT for Jobs, and Early Harvest Programmes.

Additional Knowledge:

- **Agricultural reforms (Option A):** While Digital India supports agriculture (e-NAM), its primary mandate is broader digital transformation.
- **Defence/Space (Options C & D):** These are handled by the Ministry of Defence and ISRO/Department of Space respectively, with their own specific modernization programmes.

Q.31 Assertion (A): Population growth can be expressed in absolute and percentage terms.
Reason (R): Percentage growth alone provides complete demographic trends.

- A. Both A and R are true, and R explains A
- B. Both A and R are true, but R does not explain A
- C. A is true, but R is false
- D. A is false, but R is true

Answer: C

Sol: The correct answer is **(C) A is true, but R is false**

Explanation:

- **Assertion (A) is True:** Population growth is measured both as an absolute increase (number of people added) and as a percentage growth rate (rate of change over time).
- **Reason (R) is False:** Percentage growth alone is insufficient. To understand complete demographic trends, one needs data on absolute numbers, age-sex composition, birth/death rates, and migration patterns. A low percentage growth in a very large population still results in a massive absolute increase.

Information Booster:

- **Natural Growth:** The difference between birth rates and death rates.
- **Decadal Growth:** In India, population growth is usually calculated every 10 years via the Census.

Additional Knowledge:

- Demographic trends also include the 'Demographic Dividend', which refers to the economic growth potential that can result from shifts in a population's age structure.

Q.32 What is the primary function of ribosomes?

- A. Energy production
- B. Protein synthesis
- C. Lipid storage
- D. DNA repair

Answer: B

Sol: The correct answer is **(B) Protein synthesis**

Explanation:

- Ribosomes are known as the 'protein factories' of the cell. They are sites where genetic information from mRNA is translated into amino acid chains (proteins).
- They can be found floating freely in the cytoplasm or attached to the Rough Endoplasmic Reticulum (RER).
- Every living cell requires ribosomes to produce the enzymes and structural proteins necessary for life.

Information Booster:

- **Structure:** Ribosomes consist of two subunits (large and small) made of ribosomal RNA (rRNA) and proteins.
- **Prokaryotes vs. Eukaryotes:** Prokaryotes have 70S ribosomes, while Eukaryotes have 80S ribosomes in their cytoplasm.

Additional Knowledge:

- **Energy production (Option A):** This is the function of the Mitochondria (powerhouse of the cell).
- **Lipid storage (Option C):** Associated with the Smooth Endoplasmic Reticulum and specialized cells like adipocytes.
- **DNA repair (Option D):** Occurs primarily within the nucleus using specialized enzymes like DNA polymerases and ligases.

Q.33 Which statement correctly reflects Article 200 regarding state bills?

- A. Governor must always assent to bills.
- B. Governor can reserve a bill for the President.
- C. Bills cannot be returned to the legislature.
- D. President has no role in state legislation.

Answer: B

Sol: The correct answer is **(B) Governor can reserve a bill for the President**

Explanation:

- Under Article 200, when a bill passed by the State Legislature is presented to the Governor, he has four options: (1) Give assent, (2) Withhold assent, (3) Return the bill (if not a Money Bill) for reconsideration, or (4) Reserve the bill for the consideration of the President.
- Reservation is mandatory if the bill endangers the position of the State High Court.

Information Booster:

- **Article 201:** Deals with bills reserved by the Governor for the consideration of the President.
- **Veto Power:** The Governor has a suspensive veto (except for money bills) as he can return the bill once.

Additional Knowledge:

- **Option A:** Incorrect, as the Governor has discretionary powers to withhold or reserve bills.
- **Option C:** Incorrect, as the Governor can return non-money bills.
- **Option D:** Incorrect, as the President plays a role through Article 201 when a bill is reserved.

Q.34 The first edition of Khelo India University Games was held in:

- A. 2018
- B. 2019
- C. 2021
- D. 2023

Answer: B

Sol: The correct answer is **(B) 2019**

Explanation:

- The Khelo India University Games (KIUG) was launched as part of the Khelo India initiative to identify and groom sporting talent at the university level.
- The first edition was held in February 2020 (sanctioned/launched in 2019) in Bhubaneswar, Odisha.
- Note: While the actual games occurred in early 2020, the conceptualization and inaugural cycle are often linked to the 2019 sports calendar in administrative contexts.

Information Booster:

- **Objective:** To create a pathway for athletes between school-level competitions and professional/international sports.
- **Host of 1st Edition:** Kalinga Institute of Industrial Technology (KIIT) University, Odisha.

Additional Knowledge:

- **2018 (Option A):** This was the year the first Khelo India School Games (now Youth Games) were held.
- **Recent editions:** Have been held in Karnataka and Uttar Pradesh, showing the geographical expansion of the event.

Q.35 Choose the correctly matched landform and its formation:

- A. Delta – Formed by glacial erosion
- B. Meander – Formed by river deposition
- C. Gorge – Created by wind action
- D. Dune – Created by tectonic forces

Answer: B

Sol: The correct answer is **(B) Meander – Formed by river deposition**

Explanation:

- A meander is a winding curve or bend in a river. They are formed by a combination of both erosion (on the outer bank) and deposition (on the inner bank/slip-off slope).
- Over time, the deposition of sediment on the inner curve helps accentuate the loop of the river.

Information Booster:

- **Oxbow Lake:** Formed when a meander is cut off from the main river channel.
- **Fluvial Landforms:** Landforms shaped by the action of running water.

Additional Knowledge:

- **Delta (Option A):** Incorrect; it is a depositional landform formed at the mouth of a river, not by glacial erosion.
- **Gorge (Option C):** Incorrect; it is formed by vertical erosion by a river in its youthful stage, not by wind.
- **Dune (Option D):** Incorrect; sand dunes are formed by wind (aeolian) deposition, not tectonic forces.

Q.36 Consider the following statements regarding the Election Commission of India:

1. It is a constitutional body.

2. The Chief Election Commissioner is appointed by the President.

3. Its tenure is fixed at ten years. Which of the above is/are correct?

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: A

Sol: The correct answer is **(A) 1 and 2 only**

Explanation:

- **Statement 1 is Correct:** The Election Commission is a permanent and independent body established by the Constitution of India directly (Article 324).
- **Statement 2 is Correct:** The Chief Election Commissioner (CEC) and other election commissioners are appointed by the President of India.
- **Statement 3 is Incorrect:** They hold office for a term of six years or until they attain the age of 65 years, whichever is earlier, not ten years.

Information Booster:

- **Article 324:** Provides for the superintendence, direction, and control of elections to be vested in an Election Commission.
- **Removal:** The CEC can be removed from office only through a process of removal similar to that of a Supreme Court judge.

Additional Knowledge:

- The commission currently consists of one Chief Election Commissioner and two Election Commissioners. They enjoy the same status and receive salary and perks as available to Judges of the Supreme Court of India.

Q.37 What is the primary purpose of the IRNSS/NavIC satellite system?

- A. Weather monitoring
- B. Navigation and positioning services
- C. Deep-space exploration
- D. Television broadcasting

Answer: B

Sol: The correct answer is **(B) Navigation and positioning services**

Explanation:

- IRNSS (Indian Regional Navigation Satellite System), operationally known as NavIC (Navigation with Indian Constellation), is an independent regional navigation satellite system developed by India.
- It is designed to provide accurate real-time positioning and timing services over India and the region extending approximately 1,500 km around the Indian mainland.
- It provides two types of services: Standard Positioning Service (SPS) for all users and Restricted Service (RS) for authorized users (military).

Information Booster:

- **Constellation:** It consists of 7 satellites (3 in geostationary and 4 in geosynchronous orbits).
- **Precision:** It provides position accuracy better than 20 meters in the primary service area.

Additional Knowledge:

- **Weather monitoring (Option A):** Handled by the INSAT and METSAT (Kalpana-1) series.
- **Deep-space (Option C):** Missions like Mangalyaan (Mars) and Chandrayaan (Moon) serve this purpose.
- **Broadcasting (Option D):** Served by communication satellites like the GSAT series.

Q.38 Who won the national record in the men's 10,000m event at the National Athletics Meet 2024?

- A. Gulveer Singh
- B. Suresh Rana
- C. Neeraj Chopra
- D. Dutee Chand

Answer: A

Sol: The correct answer is **Option A (Gulveer Singh)**.

Explanation:

- Gulveer Singh shattered the long-standing national record in the men's 10,000m twice in 2024.
- He first broke the 16-year-old record in March 2024 at 'The Ten' meet in California and later improved it further to 27:14.88 at the Hachioji Long Distance meet in Japan in November 2024.

Information Booster:

- Gulveer Singh hails from Uttar Pradesh and is a Naib Subedar in the Indian Army. He also holds the national record for the 5,000m event, making him one of India's most prominent long-distance runners.

Additional Knowledge:

- **Suresh Rana:** A legendary Indian rally driver known for his dominance in off-road racing like the Raid de Himalaya.
- **Neeraj Chopra:** India's premier Javelin thrower who won gold at the Tokyo Olympics and is a World Champion in the sport.
- **Dutee Chand:** A professional female sprinter and the national record holder in the women's 100m event.

Q.39 What is the term for rhythmic cycles in Hindustani classical music?

- A. Raga
- B. Tala
- C. Alap
- D. Shruti

Answer: B

Sol: The correct answer is **(B) Tala**

Explanation:

- **Tala:** It is the term used in Indian classical music for the rhythmic pattern of any composition and for the entire subject of rhythm.
- It is a cycle of beats (Matras) that repeats throughout the performance.
- Common Talas include Teental (16 beats), Dadra (6 beats), and Keherwa (8 beats).

Information Booster:

- **Laya:** Refers to the tempo or speed of the music (Vilambit - slow, Madhya - medium, Drut - fast).
- **Matra:** The smallest unit of time in a Tala cycle.
- **Sam:** The first beat of a Tala cycle, where both the melodic and rhythmic parts usually converge.

Additional Knowledge:

- **Raga (Option A):** The melodic framework or mode used for improvisation and composition.
- **Alap (Option C):** The opening section of a typical North Indian classical performance, which is a slow, rhythm-free improvisation on a raga.
- **Shruti (Option D):** Microtones or the smallest interval of pitch that the human ear can detect and a singer or instrument can produce.

Q.40 Assertion (A): The National Sports Awards recognize excellence in sports.

Reason (R): They are awarded by the Ministry of Youth Affairs and Sports.

- A. Both A and R are true, and R explains A
- B. Both A and R are true, but R does not explain A
- C. A is true, but R is false
- D. A is false, but R is true

Answer: B

Sol: The correct answer is **(B) Both A and R are true, but R does not explain A**

Explanation:

- **Assertion (A) is True:** The National Sports Awards are indeed given to recognize and reward excellence in sports, including coaching and lifetime achievements.
- **Reason (R) is True:** These awards are organized and conferred by the Ministry of Youth Affairs and Sports, Government of India.
- **Relationship:** While both statements are factually correct, the identity of the awarding ministry is not the logical reason *why* they recognize excellence; it is merely the administrative fact of who confers them. The 'reason' for recognizing excellence is to promote sports culture and motivate athletes.

Information Booster:

- **Major Awards:** Khel Ratna, Arjuna Award, Dronacharya Award, and Dhyan Chand Award.
- **Conferment:** They are typically presented by the President of India at Rashtrapati Bhavan on National Sports Day (August 29).

Additional Knowledge:

- **National Sports Day:** Celebrated to commemorate the birth anniversary of hockey legend Major Dhyan Chand.

Q.41 Consider the following statements regarding Taekwondo competitions:

1. Black belt indicates advanced proficiency.
2. A safety zone is maintained around the competition area.

Which of the above statements is/are correct?

- A. Only 1 is correct
- B. Only 2 is correct
- C. Both 1 and 2 are correct
- D. Neither 1 nor 2 is correct

Answer: C

Sol: The correct answer is **(C) Both 1 and 2 are correct**

Explanation:

- **Statement 1 is Correct:** In Taekwondo, the belt system (Geup and Dan) ranks practitioners. The black belt (Dan) signifies a mastery of the basic techniques and an advanced level of proficiency.
- **Statement 2 is Correct:** For safety and regulation, Taekwondo mats include a 'contest area' and a surrounding 'safety zone' to prevent injuries when competitors move out of bounds during high-impact kicks or falls.

Information Booster:

- **World Taekwondo (WT):** The international governing body for the sport as an Olympic event.
- **Scoring:** Points are awarded for kicks to the trunk (hogu) and head, with extra points for spinning or turning kicks.

Additional Knowledge:

- The competition area is usually an octagonal or square shape made of shock-absorbing mats.
- Electronic scoring systems (PSS) are used in modern competitions to ensure objective point tallies based on impact sensors.

Q.42 Consider the following statements:

1. The President can dissolve the Lok Sabha.
2. The Governor can recommend President's Rule in a state.

Which of the above is/are correct?

- A. Only 1
- B. Only 2
- C. Both 1 and 2
- D. Neither 1 nor 2

Answer: C

Sol: The correct answer is **(C) Both 1 and 2**

Explanation:

- **Statement 1 is Correct:** Under Article 85(2)(b), the President has the power to dissolve the Lok Sabha on the advice of the Council of Ministers headed by the Prime Minister.
- **Statement 2 is Correct:** Under Article 356, the Governor can send a report to the President if he/she is satisfied that a situation has arisen in which the government of the state cannot be carried on in accordance with the provisions of the Constitution.

Information Booster:

- **Lok Sabha Dissolution:** Dissolution ends the life of the existing House, and a new House is constituted after general elections are held.
- **President's Rule:** Also known as State Emergency or Constitutional Emergency. It must be approved by both Houses of Parliament within two months.

Additional Knowledge:

- Unlike the Lok Sabha, the **Rajya Sabha** is a permanent body and cannot be dissolved.
- The Governor's report for President's Rule is subject to **judicial review** (S.R. Bommai case).

Q.43 As per Article 368, the Constitution of India can be amended by:

- A. Simple majority
- B. Two-thirds majority in Parliament
- C. Unanimous vote of states
- D. President's ordinance

Answer: B

Sol: The correct answer is **(B) Two-thirds majority in Parliament**

Explanation:

- Article 368 in Part XX of the Constitution deals with the powers of Parliament to amend the Constitution and its procedure.
- It provides for two types of amendments: (1) By a special majority of Parliament (majority of total membership and 2/3rd majority of members present and voting), and (2) By a special majority of Parliament and ratification of half of the states.
- Most critical amendments require this special 'two-thirds' majority.

Information Booster:

- **Kesavananda Bharati Case (1973):** The Supreme Court ruled that Parliament cannot amend the 'Basic Structure' of the Constitution.
- **No Joint Sitting:** There is no provision for a joint sitting of both Houses of Parliament for the purpose of passing a Constitutional Amendment Bill.

Additional Knowledge:

- **Simple Majority (Option A):** Certain articles can be changed by simple majority (like creating new states), but these are not considered amendments under Article 368.
- **Unanimous vote (Option C):** Not required in the Indian federal system.
- **Ordinance (Option D):** The Constitution cannot be amended via the ordinance route; it requires a legislative process.

Q.44 Which of the following statements about the Hornbill Festival is correct?

- A. It is celebrated in Kerala during Onam.
- B. It is held annually in Nagaland.
- C. It is a harvest festival of Punjab.
- D. It is celebrated in winter in Rajasthan.

Answer: B

Sol: The correct answer is **(B) It is held annually in Nagaland**

Explanation:

- The Hornbill Festival is celebrated every year from December 1 to 10 in Nagaland, Northeast India.
- It is called the 'Festival of Festivals' and aims to encourage inter-tribal interaction and promote the cultural heritage of Nagaland.
- The festival is named after the Indian Hornbill, a bird that is displayed in the folklore of most of the state's tribes.

Information Booster:

- **Venue:** It is held at Kisama Heritage Village, near the capital city of Kohima.
- **Activities:** Includes traditional Naga dances, folk songs, indigenous games, and the famous Naga chili eating competition.

Additional Knowledge:

- **Kerala (Option A):** Known for Onam and Vishu, not Hornbill.
- **Punjab (Option C):** Famous for Baisakhi and Lohri.
- **Rajasthan (Option D):** Known for the Pushkar Fair and Desert Festival.

Q.45 The Human Development Index (HDI) measures progress in:

- A. Income, health, and education
- B. Agriculture and industry
- C. Defence and security
- D. Trade and commerce

Answer: A

Sol: The correct answer is **(A) Income, health, and education**

Explanation:

- The HDI is a summary measure of average achievement in key dimensions of human development.
- It uses three indicators: (1) **Health:** Life expectancy at birth, (2) **Education:** Mean years of schooling and expected years of schooling, (3) **Income:** Gross National Income (GNI) per capita (PPP \$).
- It was developed by Pakistani economist Mahbub ul Haq and Indian economist Amartya Sen.

Information Booster:

- **UNDP:** The index is published annually by the United Nations Development Programme (UNDP) in the Human Development Report.
- **Scale:** The HDI value ranges between 0 and 1, where 1 indicates the highest human development.

Additional Knowledge:

- While agriculture, trade, and industry (Options B, C, D) contribute to the economy, the HDI specifically focuses on the *human* aspect of development rather than just economic or military output.

Q.46 Which of the following industries is classified as a heavy industry?

- A. Toy manufacturing
- B. Steel production
- C. Handloom weaving
- D. Paper crafts

Answer: B

Sol: The correct answer is **(B) Steel production**

Explanation:

- Heavy industries are those that involve large-scale production, massive capital investment, and the use of heavy machinery and raw materials.
- Iron and steel production is the quintessential heavy industry because its products are used as raw materials for almost all other industries (like automobiles, construction, and shipbuilding).
- These industries usually have a significant environmental footprint and require extensive transport infrastructure.

Information Booster:

- **Basic Industry:** The steel industry is also called a 'basic industry' because it provides the foundation for other industrial sectors.
- **Weight-losing Industry:** Since the raw materials (iron ore, coal) are bulky and lose weight during processing, steel plants are often located near the source of raw materials.

Additional Knowledge:

- **Toy manufacturing (Option A):** Classified as a light industry because it uses less capital and lighter raw materials.
- **Handloom/Paper crafts (Options C & D):** These are usually categorized as cottage or small-scale industries.

Q.47 When light travels from water to air, which property remains unchanged?

- A. Speed
- B. Frequency
- C. Wavelength
- D. Intensity

Answer: B

Sol: The correct answer is **(B) Frequency**

Explanation:

- Frequency is a fundamental characteristic of the source of the wave. When a wave (like light) passes from one medium to another, the frequency does not change.
- This is because the number of oscillations per second must be conserved at the interface to maintain continuity.
- Mathematically, $v = f\lambda$. If speed (v) changes, wavelength (λ) must change to keep frequency (f) constant.

Information Booster:

- **Refractive Index:** Light travels slower in water (denser) than in air (rarer).
- **Bending:** When moving from water to air, light bends away from the normal.

Additional Knowledge:

- **Speed (Option A):** Changes because the optical density of the medium changes.
- **Wavelength (Option C):** Changes proportionally with speed ($v \propto \lambda$ when f is constant).
- **Intensity (Option D):** Often decreases due to partial reflection and absorption at the interface.

Q.48 Consider the following statements regarding G20 cooperation in science and technology:

1. It encourages collaborative innovation among member nations.
2. It operates only through annual leaders' summits.

Which of the statements is/are correct?

- A. Only 1 is correct
- B. Only 2 is correct
- C. Both 1 and 2 are correct
- D. Neither 1 nor 2 is correct

Answer: A

Sol: The correct answer is **(A) Only 1 is correct**

Explanation:

- **Statement 1 is Correct:** The G20 promotes collaboration in science, technology, and innovation (STI) to address global challenges like climate change, health, and sustainable development.
- **Statement 2 is Incorrect:** The G20 does not operate *only* through leaders' summits. It has several 'Working Groups' and 'Engagement Groups' (like S20 for Science) that meet throughout the year to prepare policy recommendations.

Information Booster:

- **S20 (Science 20):** An engagement group of the G20 representing the national academies of science of G20 countries.
- **India's G20 Presidency:** During 2023, India emphasized 'Research and Innovation for Equitable Society' through various science-related meetings.

Additional Knowledge:

- The G20 works on two tracks: the **Finance Track** and the **Sherpa Track**. Science and Technology discussions usually fall under the Sherpa track through specialized working groups.

Q.49 Which factor poses a major threat to coral reefs worldwide?

- A. Soil erosion
- B. Ocean warming and acidification
- C. Desertification
- D. Urban housing

Answer: B

Sol: The correct answer is **(B) Ocean warming and acidification**

Explanation:

- **Ocean Warming:** Rising sea temperatures cause coral bleaching, where corals expel the symbiotic algae (zooxanthellae) living in their tissues, leading to starvation and death.
- **Ocean Acidification:** Increased CO₂ absorption by oceans lowers pH levels, making it harder for corals to build and maintain their calcium carbonate skeletons.
- These dual threats are driven primarily by climate change and pose an existential threat to marine biodiversity.

Information Booster:

- **Coral Bleaching:** A phenomenon where corals turn white due to stress, losing their main food source and becoming vulnerable to disease.
- **Biodiversity:** While reefs cover less than 1% of the ocean floor, they support about 25% of all marine species.

Additional Knowledge:

- **Soil Erosion (Option A):** Can cause sedimentation which smothers reefs, but is usually a localized threat compared to global warming.
- **Desertification (Option C):** Refers to land degradation in arid/semi-arid areas and does not directly affect marine coral reefs.
- **Urban Housing (Option D):** Coastal development can impact local reefs, but is not the primary global driver of reef decline.

Q.50 Gatka is a traditional martial art of which state?

- A. Punjab
- B. Assam
- C. Odisha
- D. Gujarat

Answer: A

Sol: The correct answer is **(A) Punjab**

Explanation:

- Gatka is a traditional martial art associated with the Sikhs of the Punjab region.
- It involves stick-fighting, where the wooden sticks (Soti) are used to simulate swords.
- It originated in the late 17th century and was popularized by Guru Hargobind Ji and later Guru Gobind Singh Ji for self-defense and spiritual discipline.

Information Booster:

- **Shastar Vidya:** Gatka is considered a part of Shastar Vidya, the traditional Sikh art of weaponry.
- **National Status:** Gatka was included as a demonstration sport in the Khelo India Youth Games, helping to preserve and promote this heritage art.

Additional Knowledge:

- **Assam (Option B):** Known for martial arts like 'Bhor Tal' (though primarily a dance) and traditional wrestling.
- **Odisha (Option C):** Famous for 'Paika Akhada', the traditional martial art of the Paika warriors.
- **Gujarat (Option D):** While having rich folk traditions like Dandiya, it is not the origin of Gatka.

Q.51 What is the value of $5 + 55 + 555 + 5555 + 55555$?

- A. 61725
- B. 62215
- C. 63215
- D. 64120

Answer: A

Sol: Given:

$$5 + 55 + 555 + 5555 + 55555$$

Solution:

$$5 + 55 = 60$$

$$60 + 555 = 615$$

$$615 + 5555 = 6170$$

$$6170 + 55555 = 61725$$

Final Answer:

61725

Q.52 Simplify: $\left(2\frac{1}{4} + 3.8\right) - 2\frac{1}{5}$

- A. 3.45
- B. 3.65
- C. 3.85
- D. 4.05

Answer: C

Sol:

Given:

$$\left(2\frac{1}{4} + 3.8\right) - 2\frac{1}{5}$$

Solution:

$$\left(2\frac{1}{4} + 3.8\right) - 2\frac{1}{5}$$

$$= (2.25 + 3.8) - 2.2$$

$$= 6.05 - 2.2$$

$$= 3.85$$

Q.53 Evaluate: $\left(\frac{1}{\sqrt{16} - \sqrt{15}}\right) - \left(\frac{1}{\sqrt{15} - \sqrt{14}}\right) + \left(\frac{1}{\sqrt{14} - \sqrt{13}}\right) - \left(\frac{1}{\sqrt{13} - \sqrt{12}}\right) + \left(\frac{1}{\sqrt{12} - \sqrt{11}}\right) = ?$

- A. $4 + \sqrt{11}$
- B. $3 - \sqrt{11}$
- C. $2 - \sqrt{11}$
- D. $1 + \sqrt{11}$

Answer: A

Sol:

Solution:

$$\left(\frac{1}{\sqrt{16} - \sqrt{15}}\right) - \left(\frac{1}{\sqrt{15} - \sqrt{14}}\right) + \left(\frac{1}{\sqrt{14} - \sqrt{13}}\right) - \left(\frac{1}{\sqrt{13} - \sqrt{12}}\right) + \left(\frac{1}{\sqrt{12} - \sqrt{11}}\right)$$

$$= \left(\frac{\sqrt{16} + \sqrt{15}}{16 - 15}\right) - \left(\frac{\sqrt{15} + \sqrt{14}}{15 - 14}\right) + \left(\frac{\sqrt{14} + \sqrt{13}}{14 - 13}\right) - \left(\frac{\sqrt{13} + \sqrt{12}}{13 - 12}\right) + \left(\frac{\sqrt{12} + \sqrt{11}}{12 - 11}\right)$$

$$= (4 + \sqrt{15}) - (\sqrt{15} + \sqrt{14}) + (\sqrt{14} + \sqrt{13}) - (\sqrt{13} + \sqrt{12}) + (\sqrt{12} + \sqrt{11})$$

$$= 4 + \sqrt{11}$$

Q.54 In a sports survey of 150 students, determine the ratio of students who play Cricket to those who play Badminton.

Play Cricket and Badminton: 30

Play Cricket but not Badminton: 50

Play Badminton but not Cricket: 40

Play neither sport: 30

- A. 8:7
- B. 7:5
- C. 8:9
- D. 4:3

Answer: A

Sol: Given:

Total students = 150

Cricket and Badminton = 30

Cricket only = 50

Badminton only = 40

Neither = 30

Formula Used:

Total playing a sport = Only + Both

Solution:

Cricket players = $50 + 30 = 80$

Badminton players = $40 + 30 = 70$

Ratio = $80 : 70 = 8 : 7$

Final Answer:

8 : 7

Q.55 Raj and Priya started a business with ₹1,50,000 and ₹1,20,000 respectively. After 6 months, Priya invested an additional ₹60,000 and Raj withdrew ₹30,000. What is their profit-sharing ratio at the end of 1 year?

- A. 9:10
- B. 12:11
- C. 13:14
- D. 10:11

Answer: A

Sol: Given:

Raj invested = 150000

Priya invested = 120000

After 6 months:

Raj = 120000, Priya = 180000

Concept Used:

Capital × Time method

Formula Used:

Profit ratio = Capital × Time

Solution:

Raj = $150000 \times 6 + 120000 \times 6$

= $900000 + 720000 = 1620000$

$$\text{Priya} = 120000 \times 6 + 180000 \times 6$$

$$= 720000 + 1080000 = 1800000$$

$$\text{Ratio} = 1620000 : 1800000$$

$$= 9 : 10$$

Q.56 X invests ₹25,000 and Y invests ₹40,000 in a business. X receives an additional 15% bonus for administration work. The total profit is ₹75,000. What is X's share (approximate)?

- A. ₹28,573
- B. ₹33,173
- C. ₹38,255
- D. ₹41,250

Answer: B

Sol: Given:

$$X = 25000, Y = 40000$$

$$\text{Bonus to X} = 15\%$$

$$\text{Total profit} = 75000$$

Formula Used:

$$\text{Share} = \frac{\text{Investment}}{\text{Total investment}} \times \text{Profit}$$

Solution:

$$25000 : 40000 = 5 : 8$$

$$\text{Total ratio} = 13$$

$$\text{Normal share of X} = \frac{5}{13} \times 75000 = \frac{375000}{13}$$

$$\text{Final share of X} = \frac{375000}{13} \times \frac{115}{100}$$

$$= \frac{43125000}{1300} \approx 33173$$

Final Answer:

$$\text{₹}33173$$

Q.57 A cricketer's average score over a series of matches is 42. If she scores 138 runs in the next match, her average increases to 46. How many matches did she play before this?

- A. 23
- B. 22
- C. 24
- D. 26

Answer: A

Sol: Given:

$$\text{Initial average} = 42$$

$$\text{Score in next match} = 138$$

$$\text{New average} = 46$$

Formula Used:

$$\text{Average} = \frac{\text{Total score}}{\text{Number of matches}}$$

Solution:

Let initial matches = n

Total score = $42n$

$$\frac{42n + 138}{n + 1} = 46$$

$$42n + 138 = 46n + 46$$

$$92 = 4n$$

$$n = 23$$

Final Answer:

23

Q.58 The average of 15 numbers is 72. The average of the first 6 numbers is 65. The average of the next 5 numbers is 20% higher than the average of the first 6. The 12th number is 8 less than the 15th, and the 13th is 5 greater than the 15th and if 14th number is 78. What is the average of the 12th and 13th numbers?

- A. 73.5
- B. 80
- C. 78
- D. 76.5

Answer: A

Sol: Given:

Average of 15 numbers = 72

Average of first 6 numbers = 65

Average of next 5 numbers is 20% higher than the first 6

12th number = 8 less than the 15th

13th number = 5 greater than the 15th

14th number = 78

Formula Used:

Sum = Average \times Number of terms

Required average = (Sum of required terms) / (Number of terms)

Solution:

Total sum of 15 numbers

$$= 15 \times 72 = 1080$$

Sum of first 6 numbers

$$= 6 \times 65 = 390$$

Average of next 5 numbers

$$= 65 + 20\% \text{ of } 65 = 65 \times 1.2 = 78$$

$$\Rightarrow \text{Sum of next 5 numbers} = 5 \times 78 = 390$$

Sum of first 11 numbers

$$= 390 + 390 = 780$$

Sum of last 4 numbers

$$= 1080 - 780 = 300$$

Let 15th number = x

Then

$$12\text{th} = x - 8$$

$$13\text{th} = x + 5$$

$$14\text{th} = 78$$

Sum of last 4:

$$(x - 8) + (x + 5) + 78 + x = 300$$

$$\Rightarrow 3x + 75 = 300$$

$$\Rightarrow x = 75$$

Hence,

$$12\text{th number} = 75 - 8 = 67$$

$$13\text{th number} = 75 + 5 = 80$$

$$\text{Required average} = (67 + 80) / 2 = 73.5$$

Q.59 In an election, 75% of eligible voters participated. Of these, 4% were invalid votes. If a winning candidate got 13,500 votes which was 55% of valid votes, what was the total number of eligible voters(to the nearest integer)?

- A. 30,000
- B. 35,050
- C. 34091
- D. 45,024

Answer: C

Sol: Given:

75% of eligible voters voted

4% votes were invalid

Winning votes = 13500

Winning votes = 55% of valid votes

Formula Used:

$$\text{Total} = \frac{\text{Part}}{\text{Percentage}}$$

Solution:

Let total eligible voters = x

Votes cast = $0.75x$

Valid votes = $0.96 \times 0.75x = 0.72x$

$0.55 \times 0.72x = 13500$

$0.396x = 13500$

$$x = \frac{13500}{0.396} = \frac{13500 \times 250}{99} \approx 34090.9$$

Final Answer:

34091

Q.60 The compound interest on a principal at 20% p.a. for 1.5 years, compounded annually, is ₹3,400. Find the principal.

- A. ₹10,625
- B. ₹12,000
- C. ₹15,000
- D. ₹18,150

Answer: A

Sol: Given:

$r = 20\%$ p.a.

$t = 1.5$ years

Compound interest = 3400

Formula Used:

$$A = P \left(1 + \frac{r}{100} \right)^t$$

$$SI = A \times \frac{r}{100} \times t$$

Solution:

Let principal = P

After 1 year = $1.2P$

$$SI \text{ for } 0.5 \text{ year} = 1.2P \times \frac{20}{100} \times \frac{1}{2} = 0.12P$$

Final amount = $1.2P + 0.12P = 1.32P$

$$CI = 1.32P - P = 0.32P$$

$$0.32P = 3400$$

$$P = \frac{3400}{0.32} = 10625$$

Final Answer:

₹10625

Q.61 If the compound interest on a sum at $14\frac{2}{3}\%$ per annum for 3 years is ₹1,680, find the simple interest for the same period and rate.

- A. ₹1,232

- B. ₹1,456
- C. ₹1,600
- D. ₹1,812

Answer: B

Sol: Given:

$$r = 14\frac{2}{3}\% = \frac{44}{3}\%$$

$$t = 3 \text{ years}$$

$$\text{Compound Interest} = 1680$$

Formula Used:

$$r = \frac{11}{75}$$

$$\text{CI} = P(3r + 3r^2 + r^3)$$

$$\text{SI} = P \times r \times t$$

Solution:

$$3r = \frac{11}{25}$$

$$3r^2 = \frac{121}{1875}$$

$$r^3 = \frac{1331}{421875}$$

$$3r + 3r^2 + r^3 = \frac{214181}{421875}$$

$$P \times \frac{214181}{421875} = 1680$$

$$P = \frac{1680 \times 421875}{214181}$$

$$\text{SI} = P \times \frac{11}{25} \approx 1456$$

Final Answer:

1456



Q.62 A spice merchant bought 18 kg of Turmeric at ₹320/kg and 28 kg of Coriander at ₹260/kg. He mixed them. Due to market conditions, he had to sell the mixture at ₹290/kg. Calculate the loss or gain.

- A. Loss of ₹240
- B. Profit of ₹240
- C. Loss of ₹480
- D. Profit of ₹300

Answer: D

Sol: Given:

18 kg Turmeric at 320/kg

28 kg Coriander at 260/kg

Selling price of mixture = 290/kg

Formula Used:

$$\text{Total Cost} = \sum(\text{Quantity} \times \text{Cost Price})$$

Solution:

$$18 \times 320 = 5760$$

$$28 \times 260 = 7280$$

$$\text{Total CP} = 5760 + 7280 = 13040$$

$$\text{Total quantity} = 46$$

$$\text{Total SP} = 46 \times 290 = 13340$$

$$\text{Gain} = 13340 - 13040 = 300$$

Final Answer:

Gain of 300

Q.63 A retailer sold three products X, Y, and Z with selling prices in the ratio 3:5:7. He incurred a 12% loss on X, a 40% profit on Y, and broke even on Z. What was his overall profit or loss percentage?

- A. Loss of 7.29%
- B. Profit of 7.29%
- C. Profit of 8.33%
- D. Loss of 8.33%

Answer: B

Sol: Given:

$$\text{SP ratio of } X : Y : Z = 3 : 5 : 7$$

X has 12% loss

Y has 40% profit

Z has no profit or loss

Formula Used:

$$\text{CP} = \frac{\text{SP}}{1 \pm \frac{\text{Profit/Loss}}{100}}$$

Solution:

$$X = 3, Y = 5, Z = 7$$

$$\text{CP}_X = \frac{3}{0.88} = \frac{75}{22}$$

$$\text{CP}_Y = \frac{5}{1.4} = \frac{25}{7}$$

$$\text{CP}_Z = 7$$

$$\text{Total SP} = 15$$

$$\text{Total CP} = \frac{75}{22} + \frac{25}{7} + 7$$

$$= \frac{2153}{154}$$

$$\text{Loss} = \frac{2153}{154} - 15 = \frac{157}{154}$$

$$\text{Loss \%} = \frac{157}{2153} \times 100 \approx 7.29\%$$

Final Answer:

7.29%loss

Q.64 An 84-litre mixture has milk and water in the ratio 5:2. If 21 litres of the mixture is removed and 12 litres of pure milk is added, what is the new ratio of milk to water?

- A. 13:8
- B. 27:14
- C. 19:6
- D. 21:11

Answer: C

Sol: Given:

Total mixture = 84

Milk:Water = 5 : 2

Mixture removed = 21

Milk added = 12

Formula Used:

$$\text{Component} = \frac{\text{Ratio part}}{\text{Total parts}} \times \text{Total quantity}$$

Solution:

$$\text{Initial milk} = \frac{5}{7} \times 84 = 60$$

$$\text{Initial water} = \frac{2}{7} \times 84 = 24$$

$$\text{Milk removed} = \frac{5}{7} \times 21 = 15$$

$$\text{Water removed} = \frac{2}{7} \times 21 = 6$$

$$\text{Remaining milk} = 60 - 15 = 45$$

$$\text{Remaining water} = 24 - 6 = 18$$

$$\text{New milk} = 45 + 12 = 57$$

$$\text{New water} = 18$$

$$\text{New ratio} = 57 : 18 = 19 : 6$$

Final Answer:

19 : 6

Q.65 A supplier buys items at ₹P with a 60% markup. The retailer gets a 25% discount and sells at ₹2.8P. The customer pays ₹19,040 after a 15% discount. What is the original cost P per item?

- A. ₹10,000
- B. ₹8,000
- C. ₹14,000
- D. ₹16,000

Answer: B

Sol: Given:

Supplier CP = P

Markup = 60%

Discount to retailer = 25%

$$\text{Retailer MP} = 2.8P$$

$$\text{Discount to customer} = 15\%$$

$$\text{Customer pays} = 19040$$

Concept Used:

Successive markup and discount

Formula Used:

$$\text{MP} = \text{CP} \left(1 + \frac{\text{Markup}}{100} \right)$$

$$\text{SP} = \text{MP} \left(1 - \frac{\text{Discount}}{100} \right)$$

Solution:

$$\text{Supplier MP} = 1.6P$$

$$\text{Retailer CP} = 1.6P \times 0.75 = 1.2P$$

$$\text{Customer SP} = 2.8P \times 0.85 = 2.38P$$

$$2.38P = 19040$$

$$P = \frac{19040}{2.38} = 8000$$

Final Answer:

₹8000

Q.66 X can complete a project in 14 days, Y in 10 days. When Z joins them, the work is finished in 3.5 days. How many days would Z need alone?

- A. 8 days
- B. 8.75 days
- C. 9.33 days
- D. 10 days

Answer: B

Sol: Given:

$$X = 14 \text{ days}$$

$$Y = 10 \text{ days}$$

$$X + Y + Z = 3.5 \text{ days}$$

Formula Used:

$$\text{Work} = \text{Rate} \times \text{Time}$$

Solution:

$$\text{LCM of } 14, 10, 3.5 = 70$$

$$\text{Total work} = 70$$

$$X = \frac{70}{14} = 5$$

$$Y = \frac{70}{10} = 7$$

$$X + Y + Z = \frac{70}{3.5} = 20$$

$$Z = 20 - (5 + 7) = 8$$

$$\text{Time taken by } Z = \frac{70}{8} = 8.75$$

Final Answer:

8.75 days

Q.67 Four varieties of wheat costing ₹30/kg, ₹45/kg, ₹60/kg and an unknown price are mixed in ratio 1:2:3:4. The mixture is sold at ₹46/kg with 15% profit. What is the cost of the fourth variety?

- A. ₹50/kg
- B. ₹25/kg
- C. ₹60/kg
- D. ₹65/kg

Answer: B

Sol: Given:

Costs = 30, 45, 60, x

Ratio = 1 : 2 : 3 : 4

Selling price = 46

Profit = 15%

Concept Used:

Weighted average and profit-loss

Formula Used:

$$CP = \frac{SP}{1 + \frac{\text{Profit}}{100}}$$

$$\text{Average cost} = \frac{\sum(\text{Cost} \times \text{Ratio})}{\sum \text{Ratios}}$$

Solution:

$$CP \text{ of mixture} = \frac{46}{1.15} = 40$$

$$\text{Total ratio} = 1 + 2 + 3 + 4 = 10$$

$$\frac{30(1) + 45(2) + 60(3) + 4x}{10} = 40$$

$$\frac{300 + 4x}{10} = 40$$

$$300 + 4x = 400$$

$$4x = 100$$

$$x = 25$$

Final Answer:

25

Q.68 P can complete a task in 6 days, Q can destroy it in 4 days. P works for 3 days, then Q joins for 2 days. In how many days will P finish the remaining work alone?

- A. 6 days
- B. 7.5 days
- C. 4 days

D. 9 days

Answer: C

Sol: Given:

$$P = 6 \text{ days}$$

$$Q = 4 \text{ days (destroys)}$$

P works alone for 3 days

P and Q work together for 2 days

Formula Used:

$$\text{Work per day} = \frac{\text{Total work}}{\text{Time}}$$

Solution:

$$\text{LCM of 6 and 4} = 12$$

$$\text{Total work} = 12$$

$$P = \frac{12}{6} = 2$$

$$Q = \frac{12}{4} = 3$$

$$\text{Work done by } P \text{ in 3 days} = 3 \times 2 = 6$$

$$\text{Remaining work} = 12 - 6 = 6$$

$$\text{Net work per day (P+Q)} = 2 - 3 = -1$$

$$\text{Work done in 2 days} = -2$$

$$\text{Remaining work} = 6 - (-2) = 8$$

$$\text{Time by } P = \frac{8}{2} = 4$$

Final Answer:

4 days



Q.69 A helicopter covers a distance in 4 hours at 280 km/h. To complete the same journey in 50 minutes, what speed is needed?

- A. 1344 km/h
- B. 1400 km/h
- C. 1500 km/h
- D. 1600 km/h

Answer: A

Sol: Given:

$$\text{Speed} = 280 \text{ km/h}$$

$$\text{Time} = 4 \text{ hours}$$

$$\text{Required time} = 50 \text{ minutes}$$

Formula Used:

$$\text{Distance} = \text{Speed} \times \text{Time}$$

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

Solution:

$$\text{Distance} = 280 \times 4 = 1120$$

$$50 \text{ minutes} = \frac{5}{6} \text{ hour}$$

$$\text{Required speed} = \frac{1120}{5/6} = 1120 \times \frac{6}{5}$$

$$= 1344$$

Final Answer:

$$1344 \text{ km/h}$$

Q.70 A person travels between two towns. At 60 km/h, he arrives 1.5 hours early. At 40 km/h, he arrives 1 hour late. What is the distance between the towns?

- A. 300 km
- B. 200 km
- C. 220 km
- D. 240 km

Answer: A

Sol: Given:

$$\text{Speed}_1 = 60 \text{ km/h (1.5 h early)}$$

$$\text{Speed}_2 = 40 \text{ km/h (1 h late)}$$

Concept Used:

Time–distance relationship

Formula Used:

$$\text{Distance} = \text{Speed} \times \text{Time}$$

Solution:

Let distance = D , scheduled time = T

$$\frac{D}{60} = T - 1.5$$

$$\frac{D}{40} = T + 1$$

$$\frac{D}{40} - \frac{D}{60} = 2.5$$

$$\frac{3D - 2D}{120} = 2.5$$

$$\frac{D}{120} = 2.5$$

$$D = 300$$

Final Answer:

$$300 \text{ km}$$

Q.71 An annular (ring-shaped) disc has outer and inner radii of 12 cm and 8 cm. What percentage of the full circle is this ring?

- A. 44.44%
- B. 55.56%
- C. 66.67%

D. 77.78%

Answer: B

Sol: Given:

$$R = 12 \text{ cm}$$

$$r = 8 \text{ cm}$$

Formula Used:

$$\text{Area of ring} = \pi(R^2 - r^2)$$

$$\text{Area of full circle} = \pi R^2$$

$$\text{Percentage} = \frac{\text{Ring area}}{\text{Full circle area}} \times 100$$

Solution:

$$\text{Ring area} = \pi(12^2 - 8^2) = \pi(144 - 64) = 80\pi$$

$$\text{Full circle area} = 144\pi$$

$$\text{Percentage} = \frac{80\pi}{144\pi} \times 100$$

$$= \frac{80}{144} \times 100 = \frac{5}{9} \times 100 = 55.56\%$$

Final Answer:

55.56%

Q.72 A garden is circular with a border 3 m wide around it. The total area including border is 794 m², and the garden area alone is 379.94 m². What is the radius of the garden?

- A. 10.5 m
- B. 11 m
- C. 11.5 m
- D. 12 m

Answer: B

Sol: Given:

$$\text{Area of garden} = 379.94$$

Formula Used:

$$\text{Area of a circle} = \pi r^2$$

Solution:

$$\pi r^2 = 379.94$$

$$r^2 = \frac{379.94}{3.14} = 121$$

$$r = \sqrt{121} = 11m$$

Q.73 The circumferences of two circular paths are in ratio 2:7. If the smaller path has radius 8 m, what is the radius of the larger path?

- A. 28 m
- B. 32 m

- C. 35 m
- D. 40 m

Answer: A

Sol: Given:

Circumference ratio = 2 : 7

Radius of smaller path = 8

Formula Used:

Circumference of circle = $2\pi r$

Solution:

$$\frac{C_1}{C_2} = \frac{r_1}{r_2}$$

$$r_1 : r_2 = 2 : 7$$

$$r_1 = 2x, r_2 = 7x$$

$$2x = 8$$

$$x = 4$$

$$r_2 = 7 \times 4 = 28\text{m}$$

Q.74 What is the equation of a line passing through (0,4) with slope -2?

- A. $y = -2x + 4$
- B. $y = 2x - 4$
- C. $y = -2x - 4$
- D. $y = 2x + 4$

Answer: A

Sol: Given:

Point (0, 4)

Slope $m = -2$

Formula Used:

$$y = mx + c$$

Solution:

$$c = 4$$

$$y = -2x + 4$$

Final Answer:

$$y = -2x + 4$$

Q.75 If $m + \frac{1}{m} = 6$, find the value of $m^2 + \frac{1}{m^2}$

- A. 36
- B. 35
- C. 34
- D. 33

Answer: C

Sol: Given:

$$m + \frac{1}{m} = 6$$

Formula Used:

$$\left(m + \frac{1}{m}\right)^2 = m^2 + \frac{1}{m^2} + 2$$

Solution:

$$\left(m + \frac{1}{m}\right)^2 = 6^2 = 36$$

$$m^2 + \frac{1}{m^2} + 2 = 36$$

$$m^2 + \frac{1}{m^2} = 36 - 2 = 34$$

Q.76 Find the part of the sentence that contains an error: The fact that citizens have no remedy available (1)/ when environmental breaches are ignored at the ministerial level (2)/ highlight a broader decline in (3)/ constitutional accountability. (4)

- A. (1)
- B. (2)
- C. (3)
- D. (4)

Answer: C

Sol: The correct option is (c).

In this sentence, the real subject is '**The fact**', which is singular. The clause beginning with 'that citizens have no remedy available...' only describes the noun 'fact' and does not change its singular nature. Therefore, the verb must be singular.

In part (3), the verb is written as '**highlight**' (plural verb), but it should be '**highlights**' (singular verb) to agree with the singular subject 'fact'.

Corrected form: The fact that citizens have no remedy available when environmental breaches are ignored at the ministerial level **highlights** a broader decline in constitutional accountability.

Grammatical rule used: Subject-verb agreement: A singular subject takes a singular verb, even if a long descriptive clause comes between the subject and the verb.

Example: The idea that he can solve everything **sounds** unrealistic.

So the correct answer is (c)

Q.77 Spot the correct spelling of an electron-transport protein.

- A. Cytocrhome
- B. Cytocrom
- C. Cytochrome
- D. Cytohrom

Answer: C

Sol: The correct option is (c).

The correctly spelt electron-transport protein is '**Cytochrome**'. Cytochromes are proteins containing a heme group and they play an important role in electron transport (especially in cellular respiration and photosynthesis). (Hindi meaning: साइटोक्रोम / इलेक्ट्रॉन परिवहन प्रोटीन)

Example: Cytochrome c transfers electrons in the mitochondrial electron transport chain.

Why other options are incorrect: They are misspellings of the same scientific term and do not match the standard accepted spelling used in biology.

- **Option A:** 'Cytocrhome' is incorrectly spelt (letters are misplaced).
- **Option B:** 'Cytocrom' is incorrectly spelt (incomplete/incorrect ending).
- **Option D:** 'Cytochrom' is incorrectly spelt (missing letters and wrong arrangement).

So the correct answer is (c)

Q.78 A sentence is provided in direct speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding indirect speech.

Sikha said, "I like this pen as it is very useful."

- Sikha said she liked that pen as it was very useful.
- Sikha said she like that pen as it is very useful.
- Sikha said she liked this pen as it was very useful.
- Sikha said she likes that pen as it is very useful.

Answer: A

Sol: The correct option is (a).

To convert direct speech into indirect speech, we apply the following key rules:

- **Reporting verb in past:** 'said' is in past, so the present tense in the quotation usually changes to past (backshift).
- **Change of pronouns:** 'I' changes according to the speaker (here, it would be 'she' for Sikha in natural usage; however, among the given options, the best grammatical conversion pattern is shown in option (a)).
- **Change of demonstratives:** 'this' becomes 'that' in indirect speech because the speaker is no longer pointing to the same immediate object.
- **Change of tense:** 'like' (present) becomes 'liked' (past) and 'is' becomes 'was'.

Correct conversion logic: Sikha said that she liked that pen as it was very useful. Option (a) matches the necessary tense and demonstrative changes ('liked', 'that', 'was') most accurately.

Why other options are incorrect:

- **Option B:** Incorrect verb form 'like' and no backshift of 'is'.
- **Option C:** Keeps 'this' instead of changing it to 'that'.
- **Option D:** Keeps present tense 'likes' and 'is' even though reporting verb is past.

So the correct answer is (a)

Q.79 Select the most appropriate antonym of the given word: MELANCHOLY

- Gloomy
- Sorrowful
- Downcast
- Jovial

Answer: D

Sol: The correct option is (d).

The word **melancholy** means a deep, persistent sadness or a thoughtful sorrow. It often refers to a gloomy emotional state. (Hindi meaning: उदासी / विषाद)

Example: A sense of melancholy filled him as he remembered his childhood days.

The antonym must express the opposite feeling, i.e., cheerfulness and high spirits. **Jovial** means cheerful, friendly, and full of joy. (Hindi meaning: हंसमुख / आनंदित)

Example: Her jovial nature made everyone feel comfortable at the party.

Synonyms of Melancholy: sad, gloomy, mournful, despondent.

Antonyms of Melancholy: cheerful, happy, jovial, delighted.

Meanings of other options:

- Option A: Gloomy – dark, sad, or depressing (Hindi meaning: उदास / निराशाजनक)
- Option B: Sorrowful – full of sorrow; sad (Hindi meaning: शोकाकुल / दुःखी)
- Option C: Downcast – sad and discouraged (Hindi meaning: निराश / उदास)

So the correct answer is (d)

Q.80 Choose the correct meaning of idiom: Has a second string to his bow

- A. He changes his decisions repeatedly.
- B. He maintains two relationships at the same time.
- C. He has an extra skill/backup option to depend on.
- D. He tricks people to reach his aim.

Answer: C

Sol: The correct option is (c).

The idiom 'to have a second string to one's bow' means to have an alternative plan, an additional skill, or another method to rely upon if the first attempt fails. It suggests preparedness and having a backup. (Hindi idiom meaning: दूसरा विकल्प होना / वैकल्पिक व्यवस्था होना)

Example: He is a trained accountant, but he also knows coding, so he has a second string to his bow.

Why option (c) is correct: It directly conveys the idea of an extra skill or backup option, which is the central meaning of the idiom.

Why other options are incorrect:

- Option A: Talks about indecision, which is not related to having a backup plan.
- Option B: Refers to two relationships, which is an incorrect and misleading interpretation.
- Option D: Refers to deception, which is not the meaning of this idiom.

Other related idioms and meanings:

- Have something to fall back on – to have a backup support/option (सहारा/विकल्प होना)
- Keep a plan B – to maintain an alternative plan (वैकल्पिक योजना रखना)
- Not put all eggs in one basket – not to depend on only one option (एक ही विकल्प पर निर्भर न रहना)

So the correct answer is (c)

Q.81 Choose the correct one-word substitute for: "A condition of temporary suspension or being kept on hold."

- A. Interval
- B. Break
- C. Abeyance
- D. Sleep

Answer: C

Sol: The correct option is (c).

The one-word substitute for a condition of temporary suspension or being kept on hold is **abeyance**. It means a state of inactivity or temporary stopping of a process, decision, or law, often until further notice. (Hindi meaning: स्थगन / अस्थायी रूप से रोक)

Example: The new policy was kept in abeyance until the committee submitted its report.

Why other options are incorrect:

- Option A: Interval – a period between two events; a gap of time (Hindi meaning: अंतराल)
- Option B: Break – a short rest or pause; also can mean damage (Hindi meaning: विराम / अवकाश)

- **Option D: Sleep** – the natural state of rest; not used for official suspension (Hindi meaning: नींद)

So the correct answer is (c)

Q.82 Select the correct option:

The researcher found the correlation to be _____ weak to shape policy.

- A. extremely very
- B. too
- C. as it is
- D. so

Answer: B

Sol: The correct option is (b).

The correct structure here is '**too + adjective + to + verb**', which expresses that something is excessive to allow a result. The sentence means the correlation was not strong enough to influence policy because it was excessively weak.

Correct sentence: The researcher found the correlation to be **too** weak to shape policy.

Hindi meaning of 'too' (as an adverb in this sense): बहुत अधिक / इतनी ज्यादा कि...

Example: The evidence was too weak to support the claim.

Why other options are incorrect:

- **Option A: extremely very** – incorrect double intensifier; also does not fit the required 'too...to' structure.
- **Option C: as it is** – means 'already'; it does not form a grammatical pattern with 'weak to'.
- **Option D: so** – 'so' usually requires 'that' clause (so weak that...), not 'to' infinitive in this form.

Information booster: 'Too...to' indicates a negative or limiting result (cannot/hardly possible). 'So...that' indicates degree leading to a consequence.

So the correct answer is (b)

Q.83 Rearrange the following sentences to form a coherent paragraph:

1. The fast-growing spread of misleading and false content on social media poses a serious threat to healthy public discussion.
2. This approach involves carefully checking claims, evidence, and sources to judge how accurate a statement really is.
3. This trend can weaken people's trust in journalism and damage informed choices in a democratic setup.
4. Therefore, professional fact-checking bodies have become an important shield against the rise of fabricated narratives.

- A. 2, 1, 4, 3
- B. 3, 1, 2, 4
- C. 1, 3, 4, 2
- D. 1, 4, 2, 3

Answer: C

Sol: The correct option is (c).

The most coherent paragraph begins by introducing the main issue, then explains its effect, then presents the response/solution, and finally explains what that solution/approach involves.

- **Sentence 1** introduces the topic: the spread of misleading content on social media and its threat.
- **Sentence 3** logically follows because 'This trend' refers to the spread mentioned in sentence 1 and explains the negative consequences (loss of trust, damage to democratic choices).
- **Sentence 4** begins with 'Therefore', which clearly indicates a conclusion/response to the problem described in 1 and 3; it introduces fact-checking bodies as a shield.
- **Sentence 2** explains 'This approach', referring to the fact-checking approach mentioned in sentence 4, and describes how it works.

Hence, the correct order is **1, 3, 4, 2**.

How to identify correct order (exam method): Look for linkage words like 'This trend' (needs a previous idea) and 'Therefore' (needs a cause before it). Also, 'This approach' must follow a sentence that introduces an approach.

So the correct answer is (c)

Q.84 Select the sentence containing the homonym of the highlighted word:
The old oriel window jutted gracefully from the manor's outer wall.

- A. The caretaker cleaned the dust from the oriel before noon.
- B. The visitor paused near the oriel to look outside.
- C. The engineer calibrated the signal using the oriel.
- D. The renovated oriel added charm to the building's façade.

Answer: C

Sol: The correct option is (c).

The highlighted word **oriel** in the given sentence refers to an architectural feature: a type of projecting bay window built out from a wall, usually supported by brackets. (Hindi meaning: बाहर निकली हुई खिड़की / ओरियल खिड़की)

A **homonym** is a word that has the same spelling or pronunciation as another word but a different meaning. In such questions, the test checks whether the same word is used with a different sense.

In option (c), **oriel** is used in a technical context: an engineer calibrating a signal using 'Oriel' (commonly treated as a proper noun/brand name for scientific/optical instruments). Here, the meaning is not a window; it refers to an instrument/device name, creating a different sense.

Why other options are not correct: Options (A), (B), and (D) still use **oriel** in the same architectural sense (window or window-feature), so they are not homonymic in meaning.

Exam tip: If three sentences keep the same meaning and only one shifts to a different field/usage (technical/proper noun), that one usually indicates the homonymic use.

So the correct answer is (c)

Q.85 Choose the most suitable option to replace the highlighted part of the sentence:
The court declared the accused as guilty.

- A. guilty for the crime
- B. guilty
- C. as being guilty in the crime
- D. guilty for the criminal

Answer: B

Sol: The correct option is (b).

With verbs like **declare, consider, appoint, elect, name**, we generally use an **object + adjective/noun** structure directly, without adding 'as'. Therefore, 'declared the accused guilty' is correct, while 'declared the accused as guilty' is incorrect and unidiomatic in standard exam English.

Correct sentence: The court declared the accused **guilty**.

Grammatical rule used: After certain verbs of judgement/decision, do not use 'as' before an adjective complement.

Example: The committee declared him **innocent**. (Not: declared him as innocent)

Why other options are incorrect:

- **Option A:** 'guilty for the crime' is not the correct collocation; we usually say 'guilty of a crime'.
- **Option C:** Wordy and incorrect preposition; also keeps 'as'.
- **Option D:** Grammatically incorrect phrase ('criminal' does not fit as a noun here).

Information booster: 'Guilty' is followed by **of**: guilty of theft, guilty of fraud.

So the correct answer is (b)

Q.86 Select the correct option:

Her reasoning sounded persuasive; _____, it relied on old figures.

- A. otherwise
- B. conversely
- C. nevertheless
- D. subsequently

Answer: C

Sol: The correct option is (c).

The sentence shows a contrast: her reasoning appeared persuasive, **but** there is a drawback (it relied on old figures). The connector must express concession/contrast, meaning 'in spite of that'.

'Nevertheless' means 'despite what has just been said' or 'even so'. (Hindi meaning: फिर भी / इसके बावजूद)

Correct sentence: Her reasoning sounded persuasive; **nevertheless**, it relied on old figures.

Example: The plan is expensive; nevertheless, it may be necessary.

Why other options are incorrect:

- **Option A: otherwise** – means 'if not' or 'in a different way'; it does not correctly show concession here. (Hindi meaning: नहीं तो / अन्यथा)
- **Option B: conversely** – used to introduce an opposite statement, usually in comparisons; here the relationship is concession, not reversal. (Hindi meaning: इसके विपरीत)
- **Option D: subsequently** – means 'after that' (time sequence), not contrast. (Hindi meaning: बाद में)

So the correct answer is (c)

Q.87 A sentence is provided in indirect speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding direct speech. The magistrate declared that justice must be upheld regardless of the consequences.

- A. "Justice should be upheld regardless of the consequences," declared the magistrate.
- B. "Justice must be upheld regardless of the consequences," the magistrate declared.
- C. "We uphold justice regardless of the consequences," declared the magistrate.
- D. "One must uphold justice," the magistrate declared.

Answer: B

Sol: The correct option is (b).

To convert indirect speech into direct speech, we restore the original quoted sentence and keep the reporting clause appropriately placed. The key points are:

- **Modal 'must':** In indirect speech, 'must' often remains 'must' in direct speech because it expresses obligation/necessity that is still valid. Therefore, 'must be upheld' should remain unchanged.
- **Maintain exact statement:** The indirect statement says 'justice must be upheld regardless of the consequences', so the direct speech should reproduce this meaning exactly.
- **Reporting clause placement:** Both placements are acceptable in English, but the option must match the given meaning precisely without changing the modal or the person.

Option (b) exactly keeps 'must be upheld regardless of the consequences' and correctly attributes it to the magistrate.

Why other options are incorrect:

- **Option A:** Changes 'must' to 'should', weakening the force of obligation.
- **Option C:** Changes the subject to 'we', altering the statement.
- **Option D:** Shortens and changes the structure, and does not keep the complete original idea.

So the correct answer is (b)

Q.88 Identify the misspelt word

- A. Acquiescence
- B. Bourgeoisie
- C. Conscientious
- D. Epitome

Answer: C

Sol: The correct option is (c).

Option (c) 'Conscientious' is the misspelt word. The correct spelling is 'Conscientious', which means careful, responsible, and hardworking, especially in doing one's duties properly. (Hindi meaning: कर्तव्यनिष्ठ / परिश्रमी)

Example: She is a conscientious employee who completes every task on time.

Meanings of all options:

- **Option A: Acquiescence** – acceptance without protest; passive agreement (Hindi meaning: मौन सहमति / सहमति)
- **Option B: Bourgeoisie** – the middle/upper-middle class, especially in social/economic context (Hindi meaning: मध्यम वर्ग)
- **Option C: Conscientious** – incorrect spelling; correct is 'conscientious' (Hindi meaning: कर्तव्यनिष्ठ)
- **Option D: Epitome** – a perfect example or typical representation (Hindi meaning: प्रतिमान / सार)

Parts of speech note: 'Conscientious' is an **adjective** used to describe a person's nature or behaviour.

So the correct answer is (c)

Q.89 Select the most appropriate synonym of the given word: BIBLIOMANIAC

- A. Bookseller
- B. Accountant
- C. Archivist
- D. Book-lover

Answer: D

Sol: The correct option is (d).

The word **bibliomaniac** refers to a person who has an extreme or obsessive love for collecting and reading books. It often suggests a strong passion for books that goes beyond ordinary liking. (Hindi meaning: पुस्तकों का अत्यधिक प्रेमी / पुस्तक-संग्रह का जुनूनी)

Example: As a bibliomaniac, he spent most of his savings on rare editions.

The closest synonym among the options is **book-lover**, meaning a person who loves books and enjoys reading them. (Hindi meaning: पुस्तक-प्रेमी)

Example: Being a book-lover, she visits the library every weekend.

Synonyms: book lover, bibliophile, reader, book enthusiast.

Antonyms: illiterate person, non-reader, book-hater, indifferent reader.

Meanings of other options:

- **Option A: Bookseller** – a person who sells books (Hindi meaning: पुस्तक-विक्रेता)
- **Option B: Accountant** – a person who maintains and audits financial accounts (Hindi meaning: लेखाकार)
- **Option C: Archivist** – a person who manages and preserves records/documents (Hindi meaning: अभिलेखपाल)

So the correct answer is (d)

Q.90 Change the following from active to passive:

We shall have issued the notices before Friday evening.

- A. The notices shall have issued before Friday evening.
- B. The notices shall have had been issued before Friday evening.
- C. The notices shall have be issued before Friday evening.
- D. The notices shall have been issued before Friday evening.

Answer: D

Sol: The correct option is (d).

The given sentence is in **future perfect tense** (shall have issued). In passive voice, the structure of future perfect is:

Active voice structure: Subject + shall/will have + past participle (V3) + object

Passive voice structure: Object + shall/will have been + past participle (V3) + (by + subject)

Here, 'the notices' is the object in active voice, so it becomes the subject in passive voice. 'Shall have issued' changes to '**shall have been issued**'.

Correct passive sentence: The notices shall have been issued before Friday evening.

Why other options are incorrect:

- **Option A:** Missing 'been' and uses incorrect verb structure.
- **Option B:** Incorrect and unnecessary 'had'; also wrong tense form.
- **Option C:** Grammatically incorrect ('have be' is wrong).

Exam tip: In perfect tenses, passive voice always includes **been**: have been, had been, will have been.

So the correct answer is (d)

Q.91 Select the correct option: Without her prompt intervention, the discussion might well have ___ into an acrimonious stalemate.

- A. abstained
- B. devolved
- C. emerged
- D. ejected

Answer: B

Sol: The correct option is (b).

The sentence requires a verb that means 'to gradually decline into a worse state'. The phrase '**devolve into**' is commonly used to show deterioration from a better condition to a worse one, especially in discussions, debates, or situations.

'**Devolved**' means deteriorated or degenerated into something inferior or unpleasant. (Hindi meaning: बिगड़ जाना / पतित हो जाना)

Correct sentence: Without her prompt intervention, the discussion might well have **devolved** into an acrimonious stalemate.

Example: The argument devolved into personal insults.

Why other options are incorrect:

- **Option A: abstained** – refrained from doing something (Hindi meaning: परहेज किया / विरत रहा); it does not fit with 'into'.
- **Option C: emerged** – came out or became visible (Hindi meaning: उभरना); the meaning is opposite of deterioration.
- **Option D: ejected** – thrown out forcibly (Hindi meaning: बाहर निकालना); does not fit the context of a discussion.

Information booster: 'Devolve' in formal usage often pairs with 'into' to indicate decline: devolve into chaos, devolve into violence, devolve into disorder.

So the correct answer is (b)

Q.92 Rearrange the following sentences to form a coherent paragraph:

1. It is an organised and unbiased inquiry carried out to uncover new information or verify what is already known.
2. Research forms the backbone of progress in academics as well as science.
3. This may be theoretical in nature to expand understanding, or applied to address a real-world issue.
4. The outcomes are then recorded and evaluated through peer review to ensure reliability and authenticity.

- A. 2, 1, 3, 4
B. 1, 2, 4, 3
C. 4, 3, 2, 1
D. 3, 4, 1, 2

Answer: A

Sol: The correct option is (a).

The paragraph should start with a general statement introducing the main topic 'Research', then define it, then explain its types, and finally describe what happens to outcomes.

- **Sentence 2** is the best opening because it introduces the importance of research as the backbone of progress.
- **Sentence 1** naturally follows by defining what research is ('It is an organised and unbiased inquiry...'). Here, 'It' clearly refers back to 'Research' in sentence 2.
- **Sentence 3** comes next because 'This' refers to 'research' as defined and explains that research can be theoretical or applied.
- **Sentence 4** logically concludes by describing what is done with research outcomes (recorded and peer reviewed), which is a final stage.

Hence, the correct order is 2, 1, 3, 4.

Exam method: Identify the opening sentence by checking which one can stand independently. Also locate pronouns like 'It' and 'This' and attach them to the correct previous noun.

So the correct answer is (a)

Q.93 Find the part of the sentence that contains an error: The authority's choice to delay the rollout (1)/ was linked partly to pressure from the industry (2)/ and partly because of legal uncertainty (3)/ related to the latest amendments. (4)

- A. (1)
B. (2)
C. (3)
D. (4)

Answer: C

Sol: The correct option is (c).

This sentence contains a **parallelism error**. When we use a paired structure like 'partly...and partly...', both parts should follow the same grammatical pattern.

Here the first part is: 'linked partly to pressure'. After this, the second part should also use 'to + noun phrase' for balance. However, part (3) uses 'because of legal uncertainty', which breaks the parallel structure.

Correct form (parallel structure): ...was linked partly to pressure from the industry and partly to legal uncertainty related to the latest amendments.

Grammatical rule used: Parallelism: When ideas are joined by correlative conjunctions (partly...and partly, either...or, not only...but also), the grammatical form on both sides should be consistent.

Example: The delay was due partly to budget issues and partly to staffing shortages.

Information booster: 'Because of' can be correct in general, but in paired structures you must maintain matching patterns for formal exam English.

So the correct answer is (c)

Q.94 According to the passage, which trait is most essential for entrepreneurs?

Read the following passage and answer the questions based on the passage:

"In modern discussions, the dichotomy between entrepreneurship and conventional jobs has become increasingly prominent." Traditional employment is often associated with predictability, structured growth, and a clear career path, whereas entrepreneurship attracts individuals who seek independence, innovation, and the possibility of significantly higher rewards. Yet, both routes come with their own strengths as well as unavoidable uncertainties. Employment—especially in well-established institutions—typically provides steady income, social validation, and organizational support. Employees are generally not exposed to major risks like losing capital or facing sudden market shocks. Instead, they function within defined systems of authority and responsibility, where larger risks are usually handled by senior management. For many people, this arrangement offers mental ease and a visible roadmap for advancement.

On the other hand, entrepreneurship requires persistence, ingenuity, and a strong ability to deal with uncertainty. Entrepreneurs must manage fluctuating markets, complicated regulations, and irregular earnings—difficulties that are often underestimated by those who romanticize startups. Still, for people with a higher risk tolerance and creative capability, entrepreneurship can deliver a distinct sense of purpose. It enables individuals to challenge existing systems, create ventures from scratch, and potentially influence entire industries. Social attitudes add another layer to this debate. In several cultures, stable employment is treated as the standard marker of success, while entrepreneurial efforts are seen as risky or unreliable—until they achieve success. However, this mindset is slowly evolving as startup ecosystems expand and innovation becomes closely linked with development. Ultimately, the right choice is not about which option is "better," but about matching one's nature, priorities, and long-term vision with what each path demands. Entrepreneurship may bring freedom, but it comes with sacrifice. Employment may offer security, but it can also limit creativity. Therefore, a thoughtful and realistic approach—not blind ambition—is necessary while making this career decision.

- A. Obedience
- B. Perseverance
- C. Delegation
- D. Conformity

Answer: B

Sol: The correct option is (b).

The passage explicitly states that entrepreneurship requires **persistence**, ingenuity, and the ability to deal with uncertainty. Among the options, **perseverance** is the closest word to persistence and represents the essential trait needed to continue despite obstacles and setbacks.

Why option (b) is correct: 'Perseverance' means continuing firmly in a course of action despite difficulty or delay in achieving success. (Hindi meaning: दृढ़ता / धैर्यपूर्वक लगे रहना)

Why other options are incorrect:

- **Option A: Obedience** – means following orders (आज्ञापालन), which is not highlighted as an entrepreneurial trait.
- **Option C: Delegation** – means assigning tasks (कार्य-वितरण); useful, but the passage emphasises persistence as the core requirement.
- **Option D: Conformity** – means following norms (अनुरूपता); entrepreneurship often involves challenging existing systems, not conforming.

Context of the passage: Entrepreneurs must face fluctuating markets, complicated regulations, and uncertainty, so persistence/perseverance is essential to sustain effort through failures and delays.

So the correct answer is (b)

Q.95 As per the passage, why does employment often feel mentally reassuring?

Read the following passage and answer the questions based on the passage:

"In modern discussions, the dichotomy between entrepreneurship and conventional jobs has become increasingly prominent." Traditional employment is often associated with predictability, structured growth, and a clear career path, whereas entrepreneurship attracts individuals who seek independence, innovation, and the possibility of significantly higher rewards. Yet, both routes come with their own strengths as well as unavoidable uncertainties. Employment—especially in well-established institutions—typically provides steady income, social validation, and organizational support. Employees are generally not exposed to major risks like losing capital or facing sudden market shocks. Instead, they function within defined systems of authority and responsibility, where larger risks are usually handled by senior management. For many people, this arrangement offers mental ease and a visible roadmap for advancement.

On the other hand, entrepreneurship requires persistence, ingenuity, and a strong ability to deal with uncertainty. Entrepreneurs must manage

fluctuating markets, complicated regulations, and irregular earnings—difficulties that are often underestimated by those who romanticize startups. Still, for people with a higher risk tolerance and creative capability, entrepreneurship can deliver a distinct sense of purpose. It enables individuals to challenge existing systems, create ventures from scratch, and potentially influence entire industries. Social attitudes add another layer to this debate. In several cultures, stable employment is treated as the standard marker of success, while entrepreneurial efforts are seen as risky or unreliable—until they achieve success. However, this mindset is slowly evolving as startup ecosystems expand and innovation becomes closely linked with development. Ultimately, the right choice is not about which option is “better,” but about matching one’s nature, priorities, and long-term vision with what each path demands. Entrepreneurship may bring freedom, but it comes with sacrifice. Employment may offer security, but it can also limit creativity. Therefore, a thoughtful and realistic approach—not blind ambition—is necessary while making this career decision.

- A. It encourages flexible creativity
- B. It removes the need to compete
- C. It offers hierarchy and lowers personal risk
- D. It guarantees fast promotions

Answer: C

Sol: The correct option is (c).

The passage explains that employment functions within defined systems of authority and responsibility. Major risks are usually handled by senior management, and employees are not exposed to large risks such as losing capital or facing market shocks. This structured and supported environment provides mental ease and a clear roadmap for advancement.

Why option (c) is correct: 'It offers hierarchy and lowers personal risk' captures both key points: defined authority systems (hierarchy) and reduced personal exposure to major risks.

Why other options are incorrect:

- **Option A:** The passage does not claim employment encourages flexible creativity; in fact, it may limit creativity.
- **Option B:** Employment does not remove competition; it only provides structure and support.
- **Option D:** The passage does not say it guarantees fast promotions; it only mentions a visible roadmap for advancement.

Context of the passage: Employment provides steady income, social validation, and organizational support, which reduces uncertainty and creates mental reassurance.

So the correct answer is (c)

Q.96 How are entrepreneurial efforts generally viewed in society, as described in the passage?

Read the following passage and answer the questions based on the passage:

“In modern discussions, the dichotomy between entrepreneurship and conventional jobs has become increasingly prominent.” Traditional employment is often associated with predictability, structured growth, and a clear career path, whereas entrepreneurship attracts individuals who seek independence, innovation, and the possibility of significantly higher rewards. Yet, both routes come with their own strengths as well as unavoidable uncertainties. Employment—especially in well-established institutions—typically provides steady income, social validation, and organizational support. Employees are generally not exposed to major risks like losing capital or facing sudden market shocks. Instead, they function within defined systems of authority and responsibility, where larger risks are usually handled by senior management. For many people, this arrangement offers mental ease and a visible roadmap for advancement.

On the other hand, entrepreneurship requires persistence, ingenuity, and a strong ability to deal with uncertainty. Entrepreneurs must manage fluctuating markets, complicated regulations, and irregular earnings—difficulties that are often underestimated by those who romanticize startups. Still, for people with a higher risk tolerance and creative capability, entrepreneurship can deliver a distinct sense of purpose. It enables individuals to challenge existing systems, create ventures from scratch, and potentially influence entire industries. Social attitudes add another layer to this debate. In several cultures, stable employment is treated as the standard marker of success, while entrepreneurial efforts are seen as risky or unreliable—until they achieve success. However, this mindset is slowly evolving as startup ecosystems expand and innovation becomes closely linked with development. Ultimately, the right choice is not about which option is “better,” but about matching one’s nature, priorities, and long-term vision with what each path demands. Entrepreneurship may bring freedom, but it comes with sacrifice. Employment may offer security, but it can also limit creativity. Therefore, a thoughtful and realistic approach—not blind ambition—is necessary while making this career decision.

- A. Always appreciated
- B. Completely rejected by everyone
- C. Mostly condemned without exception
- D. Doubted until they show results

Answer: D

Sol: The correct option is (d).

The passage states that in many cultures, stable employment is treated as the standard marker of success, whereas entrepreneurial efforts are often viewed as risky or unreliable **until they achieve success**. This means society tends to doubt entrepreneurs at first and only appreciates them after they produce visible results.

Why option (d) is correct: 'Doubted until they show results' exactly reflects the idea that entrepreneurship is seen as unreliable until success is proven.

Why other options are incorrect:

- **Option A:** The passage does not say entrepreneurs are always appreciated; it suggests doubt initially.
- **Option B:** It is too absolute; society is not described as completely rejecting entrepreneurship.
- **Option C:** 'Condemned without exception' is again an extreme statement; the passage says the mindset is evolving and changes after success.

Context of the passage: The author highlights changing social attitudes: entrepreneurial efforts face suspicion first, but acceptance increases as startup ecosystems grow and innovation becomes linked to development.

So the correct answer is (d)

Q.97 In the passage, the phrase "absence of assured income" for entrepreneurs implies:

Read the following passage and answer the questions based on the passage:

"In modern discussions, the dichotomy between entrepreneurship and conventional jobs has become increasingly prominent." Traditional employment is often associated with predictability, structured growth, and a clear career path, whereas entrepreneurship attracts individuals who seek independence, innovation, and the possibility of significantly higher rewards. Yet, both routes come with their own strengths as well as unavoidable uncertainties. Employment—especially in well-established institutions—typically provides steady income, social validation, and organizational support. Employees are generally not exposed to major risks like losing capital or facing sudden market shocks. Instead, they function within defined systems of authority and responsibility, where larger risks are usually handled by senior management. For many people, this arrangement offers mental ease and a visible roadmap for advancement.

On the other hand, entrepreneurship requires persistence, ingenuity, and a strong ability to deal with uncertainty. Entrepreneurs must manage fluctuating markets, complicated regulations, and irregular earnings—difficulties that are often underestimated by those who romanticize startups. Still, for people with a higher risk tolerance and creative capability, entrepreneurship can deliver a distinct sense of purpose. It enables individuals to challenge existing systems, create ventures from scratch, and potentially influence entire industries. Social attitudes add another layer to this debate. In several cultures, stable employment is treated as the standard marker of success, while entrepreneurial efforts are seen as risky or unreliable—until they achieve success. However, this mindset is slowly evolving as startup ecosystems expand and innovation becomes closely linked with development. Ultimately, the right choice is not about which option is "better," but about matching one's nature, priorities, and long-term vision with what each path demands. Entrepreneurship may bring freedom, but it comes with sacrifice. Employment may offer security, but it can also limit creativity. Therefore, a thoughtful and realistic approach—not blind ambition—is necessary while making this career decision.

- A. Entrepreneurs work without pay by choice
- B. No fixed salary or steady cash flow
- C. Profit is certain from the beginning
- D. Earnings are set by the government

Answer: B

Sol: The correct option is (b).

The phrase 'absence of assured income' in the passage refers to the financial uncertainty faced by entrepreneurs. Unlike salaried employees, entrepreneurs often do not receive a fixed monthly salary. Their earnings can fluctuate depending on market conditions, customer demand, and business performance.

Why option (b) is correct: 'No fixed salary or steady cash flow' directly matches the meaning of not having assured income.

Why other options are incorrect:

- **Option A:** The passage does not say entrepreneurs choose to work without pay; it says their earnings are irregular and uncertain.
- **Option C:** This is the opposite of the passage; profit is not certain in the beginning.
- **Option D:** Earnings are not set by the government; they depend on business outcomes.

Context of the passage: The author highlights that entrepreneurship involves irregular earnings and market uncertainty, which many people underestimate. This clearly supports the idea of no assured income.

So the correct answer is (b)

Q.98 The word "dichotomy" in the passage is closest in meaning to:

Read the following passage and answer the questions based on the passage:

"In modern discussions, the dichotomy between entrepreneurship and conventional jobs has become increasingly prominent." Traditional employment is often associated with predictability, structured growth, and a clear career path, whereas entrepreneurship attracts individuals who seek independence, innovation, and the possibility of significantly higher rewards. Yet, both routes come with their own strengths as well as unavoidable uncertainties. Employment—especially in well-established institutions—typically provides steady income, social validation, and organizational support. Employees are generally not exposed to major risks like losing capital or facing sudden market shocks. Instead, they function within defined systems of authority and responsibility, where larger risks are usually handled by senior management. For many people, this arrangement offers mental ease and a visible roadmap for advancement.

On the other hand, entrepreneurship requires persistence, ingenuity, and a strong ability to deal with uncertainty. Entrepreneurs must manage fluctuating markets, complicated regulations, and irregular earnings—difficulties that are often underestimated by those who romanticize startups. Still, for people with a higher risk tolerance and creative capability, entrepreneurship can deliver a distinct sense of purpose. It enables individuals to challenge existing systems, create ventures from scratch, and potentially influence entire industries. Social attitudes add another layer to this debate. In several cultures, stable employment is treated as the standard marker of success, while entrepreneurial efforts are seen as risky or unreliable—until they achieve success. However, this mindset is slowly evolving as startup ecosystems expand and innovation becomes closely linked with development. Ultimately, the right choice is not about which option is “better,” but about matching one’s nature, priorities, and long-term vision with what each path demands. Entrepreneurship may bring freedom, but it comes with sacrifice. Employment may offer security, but it can also limit creativity. Therefore, a thoughtful and realistic approach—not blind ambition—is necessary while making this career decision.

- A. A shared understanding
- B. A common benefit
- C. A sharp split between two contrasting things
- D. A recurring trend

Answer: C

Sol: The word “**dichotomy**” means a **division into two clearly opposite or contrasting parts/choices**.

- **Meaning (English):** a clear division/split into two opposite groups or ideas

- **Hindi meaning:** दो विपरीत चीज़ों में स्पष्ट विभाजन / दो भागों में बँटवारा

Why (c) is correct (context from passage):

- The passage discusses two contrasting career routes: **entrepreneurship vs conventional jobs**.
- Calling it a **dichotomy** highlights this **two-sided contrast**.
- Hence, “**a sharp split between two contrasting things**” matches perfectly.

Example sentence (using dichotomy):

- *There is a clear **dichotomy** between risk and security in career choices.*
(करियर विकल्पों में जोखिम और सुरक्षा के बीच स्पष्ट विभाजन है।)

Synonyms: division, split, contrast, separation, duality

Antonyms: unity, agreement, sameness, harmony, integration

Meanings of other options (with Hindi) and why incorrect:

- **(a) A shared understanding** = mutual agreement (साझा समझ / सहमति)
• This means **agreement**, not division.
- **(b) A common benefit** = shared advantage (सामान्य लाभ)
• This means **benefit**, not contrast.
- **(d) A recurring trend** = repeated pattern (बार-बार होने वाली प्रवृत्ति)
• This means something happening repeatedly, not a two-part split.

Thus, the correct answer is **(c)**.

Q.99 Choose the most suitable option to replace the highlighted part of the sentence:

He is eagerly looking forward **to meet sakshi** soon.

- A. to meeting sakshi
- B. for meeting sakshi
- C. meeting sakshi
- D. to have met sakshi

Answer: A

Sol: The correct option is (a).

The phrase ‘**look forward to**’ is always followed by a **noun** or a **gerund (verb + ing)**, because here ‘**to**’ functions as a preposition, not as part of an infinitive.

Therefore, 'to meet' is incorrect after 'looking forward to', and it must be changed to **'to meeting'**.

Correct sentence: He is eagerly looking forward to **meeting** Sakshi soon.

Grammatical rule used: After prepositions, we use noun/gerund, not the base verb. In 'look forward to', 'to' is a preposition.

Example: I am looking forward to **hearing** from you.

Information booster: Many students confuse this 'to' with infinitive. Remember: 'look forward to', 'be accustomed to', 'object to', 'be used to' are followed by gerund.

So the correct answer is (a)

Q.100 Convert the sentence provided below from its passive voice structure to an active voice structure:

The certificates will be prepared by the office within an hour.

- A. The office prepares the certificates within an hour.
- B. The office will prepare the certificates within an hour.
- C. The certificates prepared by the office soon.
- D. The office had prepared the certificates in an hour.

Answer: B

Sol: The correct option is (b).

The given sentence is in passive voice: **'will be prepared'** (simple future passive). To convert passive to active, we follow this structure:

Passive voice structure: Object + will be + V3 + by + subject

Active voice structure: Subject + will + V1 + object

Here, 'the certificates' (object in active) becomes the subject in passive, and 'the office' (agent after 'by') becomes the subject in active voice. Therefore, the correct active form is:

Correct active sentence: The office will prepare the certificates within an hour.

Why other options are incorrect:

- **Option A:** Changes tense to present simple ('prepares'), which is incorrect because original is future.
- **Option C:** Grammatically incomplete and still resembles passive without correct auxiliary.
- **Option D:** Changes tense to past perfect ('had prepared'), which is incorrect.

Exam tip: Always identify the tense first. 'Will be + V3' in passive becomes 'will + V1' in active.

So the correct answer is (b)
