RBE SSC CGL 2025 Extra Paid Mock-1 August 23,2025

Q. 1	In a certain code language, 'train bus signal track' is written as 'mo lo jo ko', 'track metro engine signal' is written as 'po mo ro jo', 'train engine bus platform' is written as 'lo ko to ro', and 'metro bus signal platform' is written as 'to mo lo po'. How is 'train' written in the given language? a) ko ✅ b) lo ❌ c) jo ❌ d) ro ❌
Explanation:	• 'train bus signal track' → mo, lo, jo, **ko** • 'train engine bus platform' → lo, ro, to, **ko** Common words: **train**, **bus** Common codes: **lo**, **ko** Now check another sentence: • 'metro bus signal platform' → **lo**, mo, to, po 　→ Here, **bus = lo** Therefore, **train = ko**

Q. 2	Evaluate the following expression:
	$\lvert 6 \times 4 - 3 \times 8 \div 2 + 5 \rvert \bmod 13$
	a) 2 ✗
	b) 3 ✗
	c) 4 ✓
	d) 5 ✗
Explanation:	**Solution:**
	Step-by-step calculation:
	- $6 \times 4 = 24$
	- $8 \div 2 = 4$
	- $3 \times 4 = 12$
	- Expression becomes:
	$\lvert 24 - 12 + 5 \rvert = \lvert 17 \rvert = 17$
	Now:
	$17 \bmod 13 = 4$

Q. 3	Statement—
	Drinking and rave parties have become fashion among the present college youth which divert them from their studies.
	Courses of Action—
	I. The State Government should make it a rule to disallow the students from entering Pubs and Bars.
	II. The parents as well as the colleges should impose strict discipline among the college going youth.
	a) if only I follows. ✗
	b) if only II follows. ✓
	c) if neither I nor II follows. ✗
	d) if both I and II follow. ✗
Explanation:	Statement: Drinking and rave parties have become fashion among the present college youth which divert them from their studies.
	Course of Action I:
	"The State Government should make it a rule to disallow the students from entering Pubs and Bars."
	→ This action is extreme and difficult to implement. It assumes all students who visit such places are irresponsible, which is a sweeping generalization. Moreover, it infringes on personal freedom and may not effectively prevent academic distraction. The root issue is behavioral, not merely access-based. Hence, this is not a valid course of action.
	Course of Action II:
	"The parents as well as the colleges should impose strict discipline among the college going youth."
	→ This is a balanced and feasible approach. Parents and colleges are directly responsible for shaping students' values and habits. Discipline can be instilled through mentoring, awareness programs, and academic support. It targets the underlying issue—lack of guidance—rather than imposing blanket bans. Hence, this is a valid course of action.
	Answer: (2) if only II follows.

Q. 4	Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
	Statements:
	All hyenas are pandas
	Some deer are buffaloes
	Some hyenas are scorpions
	Conclusions:
	(I) Some pandas are deer
	(II) Some hyenas are buffaloes
	(III) Some pandas are scorpions
	a) Only conclusion III follow ✔
	b) Only conclusion II follows ✘
	c) None of the conclusions follow ✘
	d) Only conclusion I follows ✘
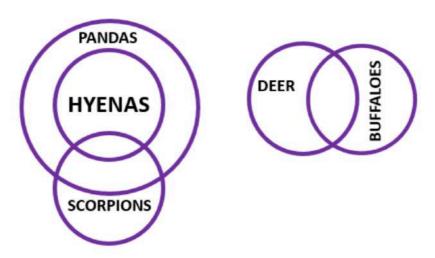
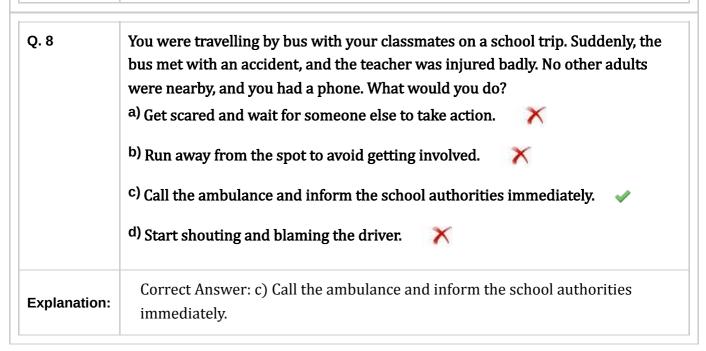| **Explanation:**	
	Conclusion I: Some pandas are deer → There's **no connection** between pandas and deer in the statements. ❌ This **does not follow.** **Conclusion II: Some hyenas are buffaloes** → Hyenas and buffaloes are mentioned in **separate** statements. No link is given between them. ❌ This **does not follow.** **Conclusion III: Some pandas are scorpions** → From Statement 1: All hyenas are pandas → From Statement 3: Some hyenas are scorpions → So, **those hyenas who are scorpions are also pandas** ✅ Hence, **Some pandas are scorpions** → logically follows Final Answer: **a) Only conclusion III follows**

Q. 5	In the given letter-cluster pairs, the first letter-cluster is related to the second letter-cluster following a certain logic. Study the given pairs carefully, and from the given options, select the pair that follows the same logic.
	ENT: FQV
	FET: GHV
	a) QRY : SUB ✗
	b) SHE : TKH ✗
	c) TEN : UHP ✓
	d) GMT : HOV ✗

Explanation:

Logic: +1, +3, +2 for 1st, 2nd, and 3rd letters

First pair: ENT → FQV

•E (5) → F (6) → +1
•N (14) → Q (17) → +3
•T (20) → V (22) → +2
So pattern: **+1, +3, +2**

Second pair: FET → GHV

•F (6) → G (7) → +1
•E (5) → H (8) → +3
•T (20) → V (22) → +2
Again: **+1, +3, +2**

Option a) QRY → SUB
•Q (17) → S (19) → +2 ✗
Does not match +1

Option b) SHE → TKH
•S (19) → T (20) → +1
•H (8) → K (11) → +3
•E (5) → H (8) → +3 ✗
Last should be +2 → ✗

Option c) TEN → UHP
•T (20) → U (21) → +1
•E (5) → H (8) → +3
•N (14) → P (16) → +2 ✅
Follows +1, +3, +2

Option d) GMT → HOV
•G (7) → H (8) → +1
•M (13) → O (15) → +2 ✗
Should be +3 → ✗

Q. 6	Study the following information carefully and answer the given questions: If 'P @ Q' means 'P is the mother of Q' If 'P # Q' means 'P is the brother of Q' If 'P $ Q' means 'P is the sister of Q' If 'P * Q' means 'P is the father of Q' If 'J @ K * L $ M # N' is given, then how is N related to J? a) Grandson ✗ b) Granddaughter ✗ c) Grandchild ✓ d) Cannot be determined ✗

Explanation:	• J @ K → J is **mother** of K
	• K * L → K is **father** of L
	  → So J and K are parents of L
	• L $ M → L is **sister** of M → So M is also child of J and K
	• M # N → M is **brother** of N → N is M's sibling's child → J is grandparent
	  → But **gender of N is not mentioned**
	
	So, **N is grandchild of J.**

Q. 7	Study the following input-output and answer the question below.
	Input:
	go 41 time 23 now 36 fast 52
	Step I: fast go 41 time 23 now 36 52
	Step II: fast go now 41 time 23 36 52
	Step III: fast go now time 41 23 36 52
	Step IV: fast go now time 23 36 41 52
	What is the logic used in this arrangement?
	a) Words arranged in reverse alphabetical order followed by numbers in ascending order ✗
	b) Words arranged in alphabetical order followed by numbers in ascending order ✓
	c) Numbers arranged in descending order followed by words in reverse order ✗
	d) Words arranged in alphabetical order followed by numbers in descending order ✗
Explanation:	First part = Words in **alphabetical order**: • fast, go, now, time Second part = Numbers in **ascending order**: • 23, 36, 41, 52 So, the final output is: **fast go now time 23 36 41 52**

Q. 8	You were travelling by bus with your classmates on a school trip. Suddenly, the bus met with an accident, and the teacher was injured badly. No other adults were nearby, and you had a phone. What would you do?
	a) Get scared and wait for someone else to take action. ✗
	b) Run away from the spot to avoid getting involved. ✗
	c) Call the ambulance and inform the school authorities immediately. ✓
	d) Start shouting and blaming the driver. ✗
Explanation:	Correct Answer: c) Call the ambulance and inform the school authorities immediately.

Q. 9	In this question, a group of numbers/symbols is coded using letters as per the table given below and the conditions that follow. The correct combination of codes following the condition is your answer.

Number/Symbol	1	2	3	4	6	9	@	#	%	&	<
Code	E	G	P	T	U	M	K	A	B	W	Y

Conditions:

(i) If the first element is a symbol and the third element is a number, then interchange their codes.

(ii) If the first element is an odd number and the last element is an even number, then the codes for both first and last elements should be replaced with 'Ø'.

(iii) If both the second and third elements are perfect cube, then the third element is to be coded as the code for the second element.

How will '# 4 9 <' be coded?

a) A T M Y ✗

b) M T A Y ✓

c) A T T Y ✗

d) Ø T M Ø ✗

Explanation:

- # → A
- 4 → T
- 9 → M
- < → Y

→ So base code = A T M Y

Now apply conditions one by one:

Condition (i):

"If 1st is a symbol and 3rd is a number, interchange their codes."

- 1st = # → symbol ✅
- 3rd = 9 → number ✅
  → So **interchange codes of # and 9**:

New code: **M T A Y**

Condition (ii):

"If 1st is an **odd number** and last is **even number**, replace both with Ø"
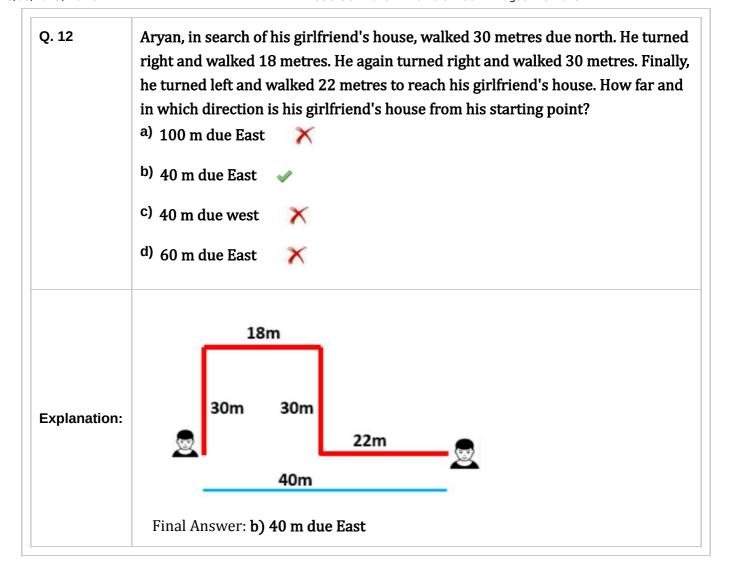
→ 1st = # → symbol ✗ → Not applicable

Condition (iii):

"If 2nd and 3rd are perfect cube, 3rd takes code of 2nd"→ Not applicable

Q. 10	Statements—
	Until your country achieves economic equality, political freedom and democracy would be meaningless.
	Conclusions—
	I. Political freedom and democracy go hand in hand.
	II. Economic equality leads to real political freedom and democracy.
	a) if only I follow.　✗
	b) if only II follow.　✓
	c) if neither I nor II follow.　✗
	d) if both I and II follows.　✗
Explanation:	There is nothing mentioned about the relation between political freedom and democracy in the statement. Hence, I does not follow. In case of conclusion II, it is directly followed from the given statement.

Q. 11	Which one of the given addresses is EXACTLY the same as the one given below? Zenith Technologies Plot No. 42B, Industrial Estate Phase – II, Sector 18 CHANDIGARH – 160018
	a) Zenith Technologies Plot No. 42B, Industrial Estate Phase – II, Sector 18 CHANDIGARH – 160081 ✗
	b) Zenith Technologies Plot No. 42B Industrial Estate Phase – II, Sector 18 CHANDIGARH – 160018 ✗
	c) Zenith Technologies Plot No. 42B, Industrial Estate Phase – II, Sector 18 CHANDIGARH – 160018 ✔
	d) Zenith Technology Plot No. 42B, Industrial Estate Phase – II Sector 18 CHANDIGARH – 160018 ✗
Explanation:	Zenith Technologies Plot No. 42B, Industrial Estate Phase – II, Sector 18 CHANDIGARH – 160018

Q. 12	Aryan, in search of his girlfriend's house, walked 30 metres due north. He turned right and walked 18 metres. He again turned right and walked 30 metres. Finally, he turned left and walked 22 metres to reach his girlfriend's house. How far and in which direction is his girlfriend's house from his starting point?
	a) 100 m due East ✗
	b) 40 m due East ✓
	c) 40 m due west ✗
	d) 60 m due East ✗
Explanation:	Final Answer: **b) 40 m due East**

Q. 13	Statement—
	The police in India have to cope with tremendous stress and strain, while maintaining security and order.
	Assumptions—
	I. In other countries the police do not have to undergo stress and strain while doing their duties.
	II. The police are expected to do their duties without stress and strain.
	a) If only assumption I is implicit. ✗
	b) If only assumption II is implicit. ✗
	c) If both the assumptions are implicit. ✗
	d) If neither assumption I nor II is implicit. ✓
Explanation:	Statement: The police in India have to cope with tremendous stress and strain, while maintaining security and order.
	Assumption I:
	"In other countries the police do not have to undergo stress and strain while doing their duties."
	→ This is a comparison not made or implied in the statement. The statement only talks about the situation in India and makes no reference to other countries. ✗
	Assumption II:
	"The police are expected to do their duties without stress and strain."
	→ This is not implicit either. The statement acknowledges that stress and strain exist in the police force, but does not suggest that they are expected to work without it. ✗
	Answer: (4) If neither assumption I nor II is implicit.

Q. 14	Statement—
	Should day to day management of all the government hospitals in the country be handed over to the private companies on operate and maintain basis?
	Arguments—
	I. Yes, this will considerably improve the quality of services of these hospitals benefiting both the patient and the private companies.
	II. No, the poor people may not be able to afford high charges fixed by the private companies and they will be deprived of medical facilities.
	a) If only argument I is implicit. ✗
	b) If only argument II is implicit. ✔
	c) If both the arguments are implicit. ✗
	d) If neither argument I nor II is implicit. ✗
Explanation:	Argument I is not valid, because it is not necessary that private companies will care for the service benefitting for the patients. On the other hand, they will think over only for their personal and monetary benefit.
	In argument II, it is clearly given that the poor people may not be able to afford high charges fixed by the private companies and the poor people will not get proper medical facilities.

Q. 15	Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation. 22 * 16 * 12 * 3 * 3 * 2 * 4 a) $-, +, \div, \times, =, +$ ✗ b) $-, +, \div, =, \times, +$ ✓ c) $+, -, \div, \times, =, +$ ✗ d) $-, +, \times, =, \div, +$ ✗
Explanation:	Option 2: $-, +, \div, =, \times, +$ So, equation becomes: $22 - 16 + 12 \div 3 = 3 \times 2 + 4$ Left side: $22 - 16 + (12 \div 3) = 6 + 4 = 10$ Right side: $3 \times 2 + 4 = 10$ ✅ Both sides $= 10$
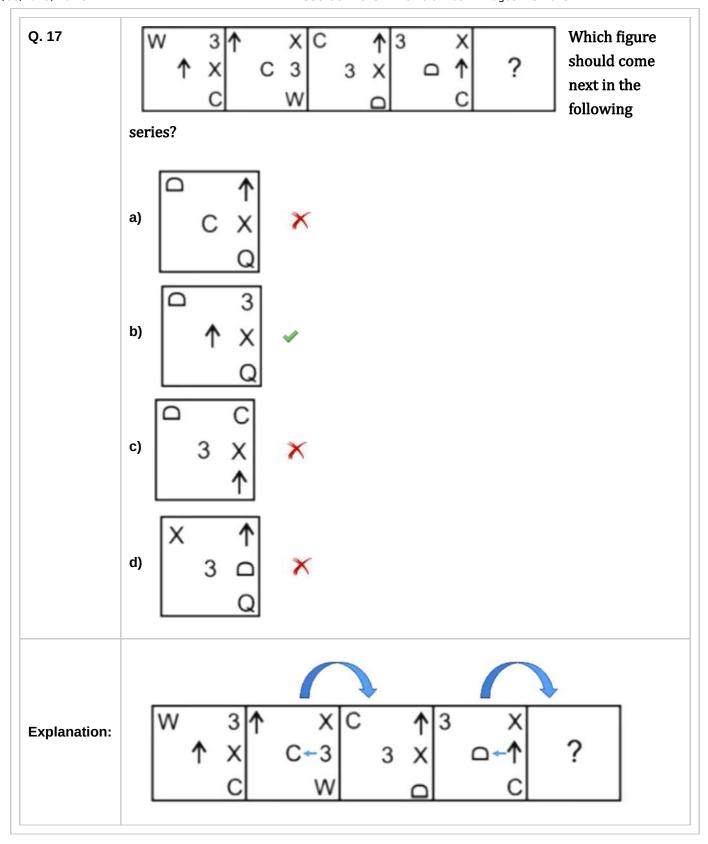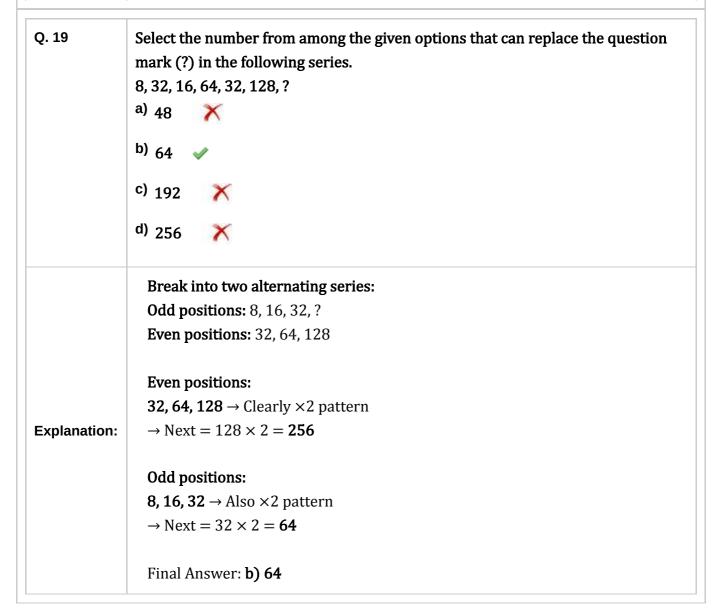
Q. 16	Select the set in which the numbers are related in the same way as are the numbers of the following sets.
	(48, 23, 47)
	(22, 27, 38)
	a) (18, 22, 28) ✗
	b) (14, 30, 41) ✗
	c) (26, 14, 32) ✗
	d) (16, 31, 39) ✔
Explanation:	Logic: $(c - b) \times 2 = a$
	(48, 23, 47)
	$\rightarrow (47 - 23) \times 2 = 24 \times 2 = 48$
	22, 27, 38)
	$\rightarrow (38 - 27) \times 2 = 11 \times 2 = 22$
	Option d) (16, 31, 39)
	$\rightarrow (39 - 31) \times 2 = 8 \times 2 = 16$

Q. 17		Which figure should come next in the following

Series figure 1: W, 3, ↑ / ↑, X / C

Series figure 2: X / C, 3 / W

Series figure 3: C, ↑, 3 / 3, X / ⌓

Series figure 4: X / ⌓, ↑ / C

Series figure 5: ?

series?

a) ⌓ , ↑ / C X / Q ✗

b) ⌓ , 3 / ↑ X / Q ✔

c) ⌓ , C / 3 X / ↑ ✗

d) X , ↑ / 3 ⌓ / Q ✗

Explanation:

W 3 ↑ | X / C←3 / W   C ↑ 3 / 3 X / ⌓   X / ⌓←↑ / C   ?

Q. 18	4, 3, 6, 6, 8, 12, 10, 24, 12, ?
	a) 34 ✗
	b) 14 ✗
	c) 48 ✔
	d) 28 ✗
Explanation:	**Given series =** 4, 3, 6, 6, 8, 12, 10, 24, 12, ? There are two series: (4, 6, 8, 10, 12) and (3, 6, 12, 24, 48...) One increases by 2 and the second one is multiplied by 2. Hence, the series is: 4, 3, 6, 6, 8, 12, 10, 24, 12, **48** Hence, option C is correct. ✅

Q. 19	Select the number from among the given options that can replace the question mark (?) in the following series. 8, 32, 16, 64, 32, 128, ?
	a) 48 ✗
	b) 64 ✔
	c) 192 ✗
	d) 256 ✗
Explanation:	**Break into two alternating series:** **Odd positions:** 8, 16, 32, ? **Even positions:** 32, 64, 128 **Even positions:** **32, 64, 128** → Clearly ×2 pattern → Next = 128 × 2 = **256** **Odd positions:** **8, 16, 32** → Also ×2 pattern → Next = 32 × 2 = **64** Final Answer: **b) 64**
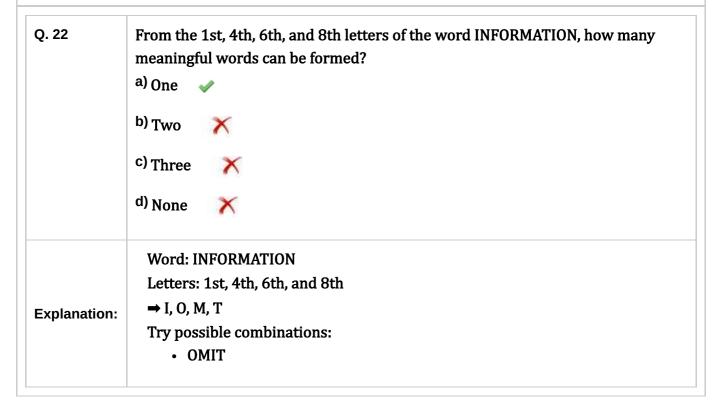
Q. 20	Z, Y, X, W, T, S, R and Q are eight colleagues, sitting around a circular table at equal distance to each other facing the centre, not necessarily in the same order. S is an immediate neighbour of both Z and W. X is an immediate neighbour of both Y and T. R sits to the immediate right of Z. Q sits to the immediate left of W. Y sits second to the left of W. Who sits second to the right of S?
	a) X ✗
	b) T ✗
	c) R ✓
	d) Q ✗
Explanation:	
	R sits second to the right of S.
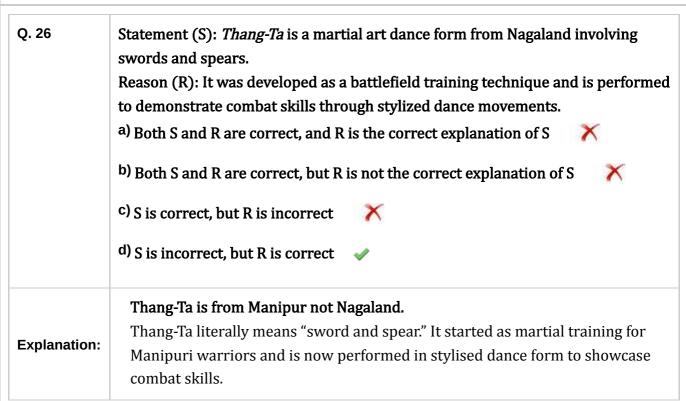
Q. 21	Find out the wrong number in the following number series.
	256, 240, 218, 179, 130, 66
	a) 218 ✓
	b) 66 ✗
	c) 179 ✗
	d) 240 ✗
Explanation:	Answer: A
	$256 – 4^2 = 240$
	$240 – 5^2 = \mathbf{215}$
	$215 – 6^2 = 179$
	$179 – 7^2 = 130$
	$130 – 8^2 = 66$

Q. 22	From the 1st, 4th, 6th, and 8th letters of the word INFORMATION, how many meaningful words can be formed?
	a) One ✓
	b) Two ✗
	c) Three ✗
	d) None ✗
Explanation:	Word: INFORMATION
	Letters: 1st, 4th, 6th, and 8th
	➡ I, O, M, T
	Try possible combinations:
	• OMIT

Q. 23	You are leading a group project. One of your team members is not contributing much, but you recently found out their parent is hospitalised. What is the most emotionally intelligent way to respond?
	a) Remove the member from the team for being irresponsible. ✗
	b) Publicly point out their lack of work in front of everyone. ✗
	c) Privately talk to them and ask how you can support them. ✓
	d) Complain to the teacher without discussing with the person. ✗
Explanation:	Privately talk to them and ask how you can support them.

Q. 24	Statement:
	In many developing countries, natural resources are being depleted due to rapid increase in population.
	Conclusion:
	I. The population of developing countries will not continue to increase in the future
	II. Management of natural resources and population growth is a major challenge for developing countries
	a) Neither I nor II follows ✗
	b) Both I and II follow ✗
	c) Only I follows ✗
	d) Only II follows ✓
Explanation:	According to the above statement, Only conclusion II (Management of natural resources and population growth is major challenge for developing countries) is follows.

Q. 25	Statement: In a recent study, it has been observed that people exercising 5 days a week are less affected by lifestyle diseases. Conclusion: I. Physical fitness is important for a healthy life. II. Exercising 6 days in a week will create health problems. a) Only conclusion II follows ✗ b) Both conclusion I and II follows ✗ c) Only conclusion I follows ✓ d) Neither I nor II follows ✗
Explanation:	It was observed in the study that by exercising 5 days in a week people are less affected by diseases in their lifestyles because by exercising they remain physically and mentally healthy. Therefore, exercise is very important in terms of health. Hence, only conclusion I follows.

Q. 26	Statement (S): *Thang-Ta* is a martial art dance form from Nagaland involving swords and spears. Reason (R): It was developed as a battlefield training technique and is performed to demonstrate combat skills through stylized dance movements. a) Both S and R are correct, and R is the correct explanation of S ✗ b) Both S and R are correct, but R is not the correct explanation of S ✗ c) S is correct, but R is incorrect ✗ d) S is incorrect, but R is correct ✓
Explanation:	**Thang-Ta is from Manipur not Nagaland.** Thang-Ta literally means "sword and spear." It started as martial training for Manipuri warriors and is now performed in stylised dance form to showcase combat skills.

Q. 27	Match the following:

Article	Provisions
A- Art 39 (a)	1- Prevention of concentration of wealth and means of production
B- Art 39 (b)	2- Equal pay for equal work for men and women
C- Art 39 (c)	3- Distribution of material resources for the common good
D- Art 39 (d)	4- Right to adequate means of livelihood for all citizens

a) A-1, B-2, C-3, D-4　✗

b) A-1, B-3, C-2, D-4　✗

c) A-4, B-3, C-1, D-2　✓

d) A-4, B-3, C-2, D-1　✗

Explanation:	*Article 39 in Constitution of India:* The State shall, in particular, direct its policy towards securing-- (a) (https://indiankanoon.org/doc/1331994/) that the citizens, men and women equally, have the **right to an adequate means to livelihood;** (b) (https://indiankanoon.org/doc/1200546/) that the **ownership and control of the material resources** of the community are so distributed as best to sub serve the common good; (c) (https://indiankanoon.org/doc/62166/) that the **operation of the economic system does not result in the concentration of wealth an**d means of production to the common detriment; (d) (https://indiankanoon.org/doc/608806/) that there is **equal pay for equal work for both men and women**; (e) (https://indiankanoon.org/doc/129471/) that the health and strength of workers, men and women, and the tender age of children are not abused and that **citizens are not forced by economic necessity to enter avocations unsuited to their age or strength;** [In article 39 of the Constitution, for clause (f), the following clause shall be substituted through Constitution **(Forty-Second Amendment) Act, 1976]** (f) (https://indiankanoon.org/doc/1139107/) that **children are given opportunities and facilities to develop in a healthy manner and in conditions of freedom and dignity** and that childhood and youth are **protected against exploitation and against moral and material abandonment.**
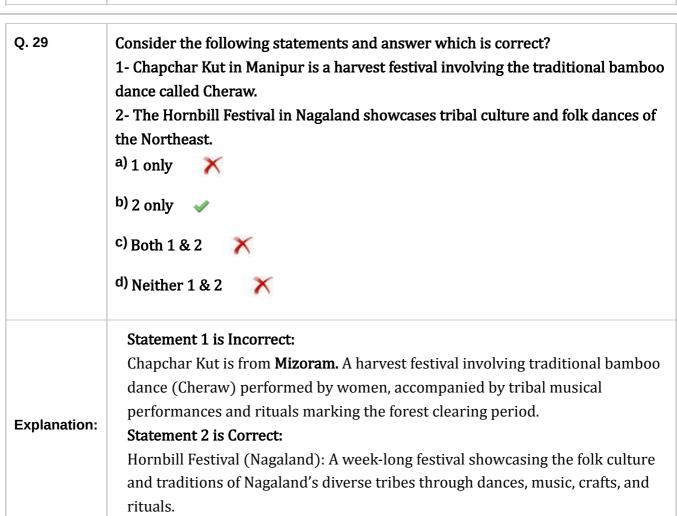
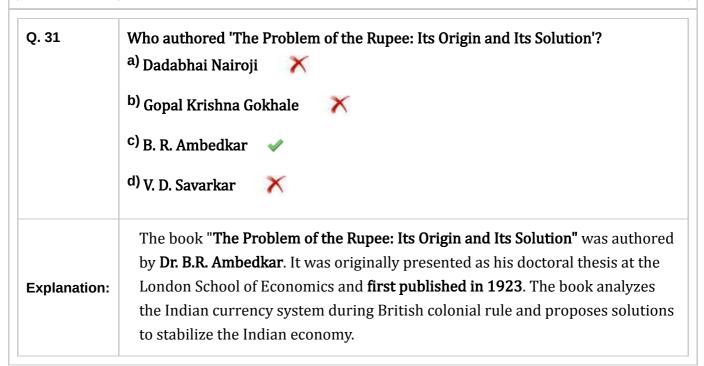| Q. 28	The Kushan folk dance is primarily associated with which State/UT of India?
	a) Jammu & Kashmir ✗
	b) Himachal Pradesh ✗
	c) Telangana ✗
	d) West Bengal ✓
Explanation:	The **Kushan dance** narrates the tale of **Ramayana.** The dance gets its name from '**Kush', the son of Sita**. Here, the main artist who narrates the story is termed as **mool.** The performance is packed with commentaries, jokes, and references to keep the audience engrossed and well entertained. Since **there are no women in this dance**, men usually dress up as women and enact their part as well. The origins of this magical theatre dance can be traced back to the 15th century. The Koch dynasty ruled over **West Bengal when this dance form came into existence.** Using numerous instruments to create a musical sound, the narration is done in Bengali.

Q. 29	Consider the following statements and answer which is correct? 1- Chapchar Kut in Manipur is a harvest festival involving the traditional bamboo dance called Cheraw. 2- The Hornbill Festival in Nagaland showcases tribal culture and folk dances of the Northeast.
	a) 1 only ✗
	b) 2 only ✓
	c) Both 1 & 2 ✗
	d) Neither 1 & 2 ✗
Explanation:	**Statement 1 is Incorrect:** Chapchar Kut is from **Mizoram.** A harvest festival involving traditional bamboo dance (Cheraw) performed by women, accompanied by tribal musical performances and rituals marking the forest clearing period. **Statement 2 is Correct:** Hornbill Festival (Nagaland): A week-long festival showcasing the folk culture and traditions of Nagaland's diverse tribes through dances, music, crafts, and rituals.

Q. 30	What is the primary objective of the PM PRANAM scheme launched by the Government of India?
	a) To promote organic farming across India. ✗
	b) To reduce the use of chemical fertilizers and encourage sustainable agriculture. ✓
	c) To provide subsidies for the purchase of fertilizers. ✗
	d) To increase the production of genetically modified crops. ✗
Explanation:	The **PM PRANAM (Promotion of Alternate Nutrients for Agriculture Management)** scheme aims to reduce the use of chemical fertilizers by promoting the adoption of sustainable and eco-friendly agricultural practices. It encourages the use of bio-fertilizers and organic alternatives to ensure soil health and environmental sustainability.

Q. 31	Who authored 'The Problem of the Rupee: Its Origin and Its Solution'?
	a) Dadabhai Nairoji ✗
	b) Gopal Krishna Gokhale ✗
	c) B. R. Ambedkar ✓
	d) V. D. Savarkar ✗
Explanation:	The book **"The Problem of the Rupee: Its Origin and Its Solution"** was authored by **Dr. B.R. Ambedkar**. It was originally presented as his doctoral thesis at the London School of Economics and **first published in 1923**. The book analyzes the Indian currency system during British colonial rule and proposes solutions to stabilize the Indian economy.

Q. 32	How does increasing the Cash Reserve Ratio (CRR) help in controlling inflation?
	a) It increases the interest rates on loans. ✗
	b) It reduces the amount of money banks can lend. ✓
	c) It directly reduces the prices of goods and services. ✗
	d) It increases the supply of money in the economy. ✗
Explanation:	**Increasing the CRR** requires banks to hold a larger portion of their deposits with the RBI, **reducing the funds available for lending.** This **decreases the money supply in the economy,** helping to control inflation.

Q. 33	Assertion (A):
	When an ambulance approaches, the pitch of its siren appears higher to an observer, and it appears lower when it moves away.
	Reason (R):
	The frequency of sound changes due to the relative motion between the source and observer, a phenomenon known as the Doppler Effect.
	a) Both A and R are true, and R is the correct explanation of A. ✓
	b) Both A and R are true, but R is NOT the correct explanation of A ✗
	c) A is true, but R is false ✗
	d) A is false, but R is true ✗
Explanation:	✅**Assertion (A) is True** — because as the ambulance moves toward you, the sound waves get **compressed** (wavelength decreases, frequency increases), so the pitch is higher. As it moves away, the waves get **stretched** (wavelength increases, frequency decreases), so the pitch is lower. ✅**Reason (R) is True** — This is the definition of the Doppler Effect: the change in observed frequency due to motion of source or observer. Since **R** exactly explains **A**, the correct answer is **A** (Both A and R are true, and R correctly explains A).

Q. 34	Which of the following statements about the periodic table is correct?
	a) Elements in the same period have identical atomic radii. ✗
	b) The electronegativity decreases across a period from left to right. ✗
	c) Elements in the same group have similar chemical properties. ✓
	d) The atomic number decreases as you move down a group. ✗
Explanation:	Elements in the same group have **similar chemical properties** because they have the **same number of valence electrons,** which determines their reactivity and bonding behavior. For example, alkali metals in Group 1 all react strongly with water.

Q. 35	Which of the following national parks is correctly matched with its state?
	1. Indravati National Park - Jharkhand
	2. Valmiki National Park - Uttar Pradesh
	3. Namdapha National Park – Sikkim
	4. Gorumara National Park – West Bengal
	a) Indravati NP ✗
	b) Valmiki NP ✗
	c) Namdapha NP ✗
	d) Gorumara NP ✓
Explanation:	1. Indravati National Park - Chhattisgarh
	2. Valmiki National Park - Bihar
	3. Namdapha National Park – Arunachal Pradesh
	4. Gorumara National Park – West Bengal

Q. 36	In the Union Budget 2025-26, the credit limit under Kisan Credit Card is increased from 3 lakhs to?
	a) 4 lakhs ✗
	b) 5 lakhs ✔
	c) 6 lakhs ✗
	d) 10 lakhs ✗
Explanation:	In the **Union Budget 2025-26**, the credit limit under the Kisan Credit Card (KCC) scheme **has been increased from Rs 3 lakh to Rs 5 lakh.** This increase aims to improve financial access for farmers, including those in fisheries and dairy sectors, enabling them to meet their growing credit needs for agricultural operations.

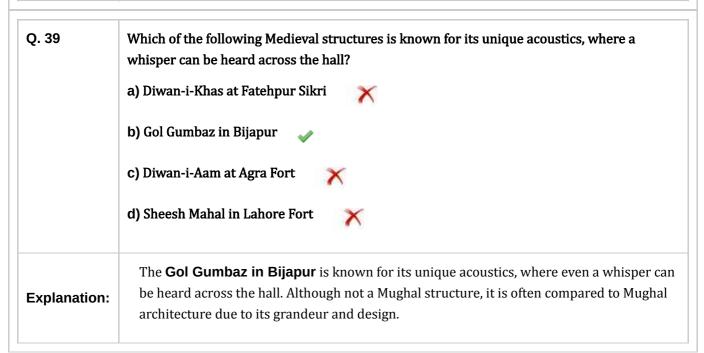| Q. 37	Which of the following statements are true regarding the inclusion of sports in Khelo India Youth Games 2025?

1. **Indigenous sports like Mallakhamb, Kalaripayattu, Thang-Ta, Gatka, and Yogasana were included.**
2. **Sepak Takraw made its debut as a competitive sport.**
3. **E-sports was featured as a demonstration sport.**

a) 1 & 2 only ✗

b) 2 & 3 only ✗

c) 1 & 3 only ✗

d) 1, 2 & 3 All ✓

Explanation:

📌 Summary of KIYG 2025 Highlights

| Feature	Details
Host State	Bihar (1st time)
Cities Involved	Patna, Gaya, Purnia, Muzaffarpur, Bhagalpur, Delhi
Total Sports	27 + 1 Demo (Esports)
Top Performing State	Maharashtra
Host State Rank	15th (up from 26th in 2024)
Mascot	Gajasimha
Inauguration	PM Modi (virtual)
First-time Inclusions	Sepak Takraw, Esports
Traditional Sports	Mallakhamb, Kalaripayattu, Gatka, Thang-Ta, etc.
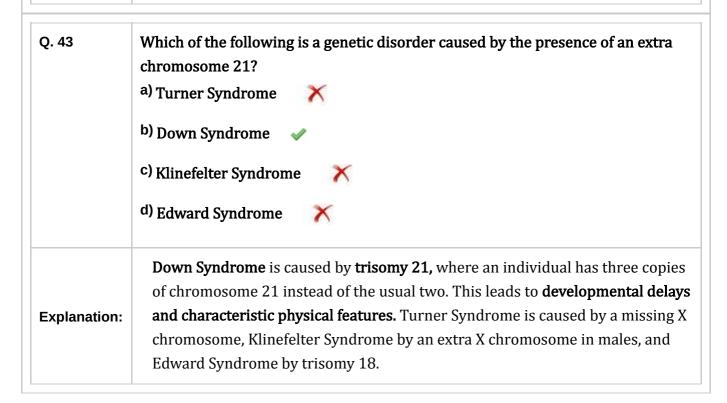
Q. 38	Consider the following statements regarding the SVAMITVA Scheme:
	1. It provides rural citizens with a digital property card for their residential land.
	2. It is implemented by the Ministry of Rural Development in collaboration with the Survey of India.
	3. The scheme covers only residential (abadi) land, not agricultural land.
	Which of the above statements are correct?
	a) 1 & 2 only ✗
	b) 2 & 3 only ✗
	c) 1 & 3 only ✓
	d) 1, 2 & 3 All ✗
Explanation:	1. ✅ **Statement 1 is correct**: The scheme provides **digital property cards** to rural citizens for their **residential land**.
	2. ❌ **Statement 2 is incorrect**: It is implemented by the **Ministry of Panchayati Raj**, not the Ministry of Rural Development.
	3. ✅ **Statement 3 is correct**: The scheme covers **only residential (abadi) land**, not agricultural land.

Q. 39	Which of the following Medieval structures is known for its unique acoustics, where a whisper can be heard across the hall?
	a) Diwan-i-Khas at Fatehpur Sikri ✗
	b) Gol Gumbaz in Bijapur ✓
	c) Diwan-i-Aam at Agra Fort ✗
	d) Sheesh Mahal in Lahore Fort ✗
Explanation:	The **Gol Gumbaz in Bijapur** is known for its unique acoustics, where even a whisper can be heard across the hall. Although not a Mughal structure, it is often compared to Mughal architecture due to its grandeur and design.

Q. 40	Assertion (A): The nucleus controls all cellular activities.
	Reason (R): It contains DNA, which holds the genetic instructions for the synthesis of proteins.
	a) Both A and R are true, and R is the correct explanation of A. ✓
	b) Both A and R are true, but R is not the correct explanation of A. ✗
	c) A is true, but R is false. ✗
	d) A is false, but R is true. ✗
Explanation:	**Assertion (A) is** ✅ **True-** The nucleus acts like the "brain" of the cell. It decides when the cell should grow, divide, or make certain proteins. **Reason (R) is** ✅ **True-** DNA has genes, which are blueprints for proteins. Proteins control almost everything in the cell. **Link between A & R:** The control happens **because** DNA in the nucleus gives instructions to build proteins. **Conclusion: A is correct, R is correct, and R explains A**.

Q. 41	When was Universal Immunization Programme launched in India?
	a) 1980 ✗
	b) 1985 ✓
	c) 1990 ✗
	d) 1995 ✗
Explanation:	The **Universal Immunization Programme (UIP)** was officially launched in **1985** by the Government of India. It was an expansion of the earlier **Expanded Programme on Immunization (EPI)**, which began in **1978**, and aimed to provide free vaccines to all children across the country.

Q. 42	What will be the Primary Deficit estimated for 2025-26 as per the Union Budget?
	a) 0.6% ✗
	b) 0.7% ✗
	c) 0.8% ✓
	d) 0.9% ✗
Explanation:	The Primary Deficit estimated for the financial year 2025-26 is 0.8% of GDP. This is the fiscal deficit minus interest payments and reflects the government's borrowing requirement excluding interest costs on previous borrowings. To summarize alongside related figures for 2025-26: • Fiscal Deficit: 4.4% of GDP • Revenue Deficit: 1.5% of GDP • Primary Deficit: 0.8% of GDP These estimates indicate a continued focus on fiscal consolidation with improving fiscal health compared to previous years.

Q. 43	Which of the following is a genetic disorder caused by the presence of an extra chromosome 21?
	a) Turner Syndrome ✗
	b) Down Syndrome ✓
	c) Klinefelter Syndrome ✗
	d) Edward Syndrome ✗
Explanation:	**Down Syndrome** is caused by **trisomy 21,** where an individual has three copies of chromosome 21 instead of the usual two. This leads to **developmental delays and characteristic physical features.** Turner Syndrome is caused by a missing X chromosome, Klinefelter Syndrome by an extra X chromosome in males, and Edward Syndrome by trisomy 18.

| Q. 44	Consider the following statements regarding Fundamental Rights in Indian context and answer which is/are correct?
	1- The Fundamental Rights are only rights against the State.
	2- The Fundamental Rights are only in the nature of negative liberty.
	a) 1 only ✗
	b) 2 only ✗
	c) Both 1 & 2 ✗
	d) Neither 1 & 2 ✓
Explanation:	*Statement 1 is Incorrect:*
	Most Fundamental rights are claims against the State. However, some Fundamental Rights also guarantee against individuals, such as right against untouchability.
	Statement 2 is Incorrect:
	Right to Education to all citizens is an example of Positive Liberty.
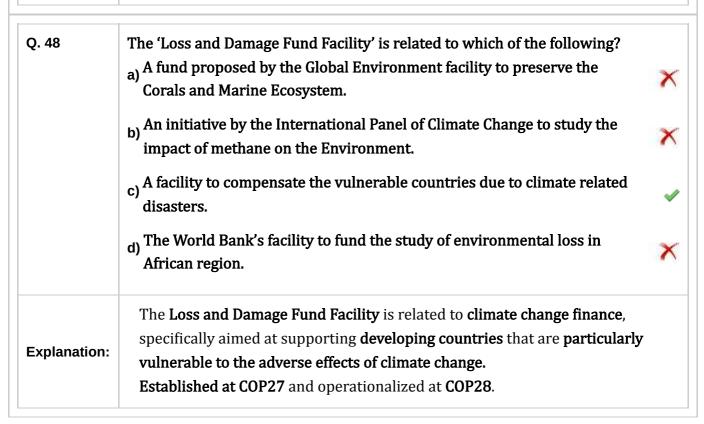
Q. 45	With reference to Cyclones, consider the following statements and answer which is/are correct?
	1- The first stage of origin of the tropical cyclones requires the formation of fronts.
	2- Majority of tropical cyclones originate within a belt of 5 degree to 8 degree on both sides of the equator.
	a) 1 only ✗
	b) 2 only ✗
	c) Both 1 & 2 ✗
	d) Neither 1 & 2 ✓
Explanation:	*Statement 1 is Incorrect:*
	The formation of tropical cyclones is not related with the formation of Fronts. It is rather the Temperate Cyclones which are formed after Frontogenesis.
	Statement 2 Is Incorrect:
	Higher value of Coriolis force is required for the formation of Tropical Cyclones. However, in the 5 degree to 8 degree belt on both sides of the equator, the Coriolis Force is minimum i.e. not sufficient for the formation of tropical cyclones.

Q. 46	With reference to Regulating Act of 1773, consider the following statements and answer which is/are incorrect? 1- The Act designated the Governor of Bengal as the 'Governor-General of India'. 2- It provided for the establishment of Supreme Court at Calcutta, comprising one Chief Justice and two other judges. a) 1 only ✗ b) 2 only ✗ c) Both 1 & 2 ✓ d) Neither 1 & 2 ✗
Explanation:	*Statement 1 is Incorrect:* The Act designated the Governor of Bengal as the '**Governor-General of Benga**l'. *Statement 2 is Incorrect*: It provided for the establishment of Supreme Court at Calcutta, comprising one Chief Justice and **three other judges**.

Q. 47	Consider the following statements regarding The Supreme Court of India and answer which is/are correct?
	1- The Supreme Court shall be a court of record and shall have all the powers of such a court, including the power to punish for contempt of itself.
	2- The Supreme Court shall sit in Delhi or in such other place or places, as the President may, with the approval of the Chief Justice of India, from time to time decide.
	a) 1 only ✔
	b) 2 only ✘
	c) Both 1 & 2 ✘
	d) Neither 1 & 2 ✘
Explanation:	*Statement 1 is Correct:* **Art. 129 – The Supreme Court to be a court of record** – The Supreme Court shall be a court of record and shall have all the powers of such a court, including the power to punish for contempt of itself. *Statement 2 is Incorrect:* **Art. 130- The Seat of the Supreme court** – The Supreme Court shall sit in Delhi or in such other place or places, as **the Chief Justice of India may, with the approval of the President**, from time to time, decide.

Q. 48	The 'Loss and Damage Fund Facility' is related to which of the following?
	a) A fund proposed by the Global Environment facility to preserve the Corals and Marine Ecosystem. ✘
	b) An initiative by the International Panel of Climate Change to study the impact of methane on the Environment. ✘
	c) A facility to compensate the vulnerable countries due to climate related disasters. ✔
	d) The World Bank's facility to fund the study of environmental loss in African region. ✘
Explanation:	The **Loss and Damage Fund Facility** is related to **climate change finance**, specifically aimed at supporting **developing countries** that are **particularly vulnerable to the adverse effects of climate change.** **Established at COP27** and operationalized at **COP28.**

Q. 49	Consider the following statements about the effective majority in the Indian Parliament:
	1. **An effective majority is calculated based on the total membership of the House, excluding vacancies.**
	2. **It is required for the removal of the Vice President of India.**
	3. **The effective majority is the same as the absolute majority in all cases.**
	Which of the above statements are correct?
	a) 1 & 2 only ✅
	b) 2 & 3 only ❌
	c) 1 & 3 only ❌
	d) 1, 2 & 3 All ❌
Explanation:	*Statements 1 and 2 are correct:* The effective majority is calculated based on the total membership of the House, excluding vacancies, and is required for the removal of the Vice President of India. However*, statement 3 is incorrect* because the effective majority is not the same as the absolute majority; the latter is based on the total strength of the House, including vacancies.

Q. 50	What is the primary objective of the PM MITRA scheme launched by the Government of India?
	a) To promote the development of textile parks in India. ✅
	b) To provide contingency financial assistance to farmers. ❌
	c) To establish new IT hubs across the country. ❌
	d) To support the Make in India initiative in the automobile sector. ❌
Explanation:	The **PM MITRA (Mega Integrated Textile Region and Apparel) scheme** aims to promote the development of world-class textile parks in India. It focuses on creating integrated textile value chains, boosting employment, and enhancing India's competitiveness in the global textile market.

Q. 51	The average of four consecutive even natural numbers is 5 less than the average of three consecutive odd natural numbers. If the sum of these odd numbers is equal to the sum of the above four even numbers, then the average of the four original even numbers is:
	a) 12 ✗
	b) 15 ✓
	c) 20 ✗
	d) 25 ✗

Explanation:	Let the three consecutive odd numbers be:
	x - 2, x, x + 2
	Sum = (x - 2) + x + (x + 2) = 3x
	Average = 3x / 3 = x
	Let the four consecutive even numbers be:
	y - 3, y - 1, y + 1, y + 3
	Sum = (y - 3) + (y - 1) + (y + 1) + (y + 3) = 4y
	Average = 4y / 4 = y
	Given:
	Average of even = Average of odd − 5
	⇒ y = x − 5
	Also given:
	Sum of even = Sum of odd
	⇒ 4y = 3x
	Substitute y = x − 5 into 4y = 3x:
	⇒ 4(x − 5) = 3x
	⇒ 4x − 20 = 3x
	⇒ x = 20
	Then:
	y = x − 5 = 20 − 5 = 15
	Final Answer:
	Average of the four even numbers = y = 15

Q. 52	A mobile phone company reported that it had total sales of 990 hundred mobile phones in May 2022. When it checked the last year's sales data, it found that in the same month of the year 2021, the total sales of mobile phones were 825 hundred. In June 2022, it is expected that the percentage increase in sales over May 2022 will be the same as the percentage increase in sales in May 2022 over May 2021. What will be the total number of mobile phones sold in June 2022?
	a) 990 hundred ✗
	b) 1180 hundred ✗
	c) 1188 hundred ✓
	d) 1210 hundred ✗
Explanation:	**Step 1:** May 2021 sales = 825 hundred May 2022 sales = 990 hundred
	Step 2: % increase from May 2021 to May 2022 = $((990 - 825) / 825) \times 100$ = $(165 / 825) \times 100 =$ **20%**
	Step 3: Apply same 20% increase to May 2022 sales: = 990 + (20% of 990) = 990 + (0.20 × 990) = 990 + 198 = **1188 hundred**
	Final Answer: **(c) 1188 hundred**

Q. 53	Find the value of k such that: $7 \bmod 5 = (7 + k \times 5) \bmod 5$
	a) k is any positive integer　✗
	b) k is any negative integer　✗
	c) k is any integer　✓
	d) no such k exists　✗
Explanation:	$7 \bmod 5 = (7 + 5k) \bmod 5$ 2) $\dfrac{7}{5} = \dfrac{7 + 5K}{5}$ Remainders 3) $2 = \dfrac{7}{5} + \dfrac{5k}{5}$　　3) ②$= $②$ + 0K$ 4) $2 = 2 + 0 \cdot K$ ↳ we can put any value of K. ∴ K is any integer is the correct answer.

Q. 54	The coordinates of the three vertices of a triangle are: (2, 4), (14, 4), and (2, 20). The radius of the incircle is:
	a) 2 unit ✗
	b) 8 unit ✗
	c) 4 unit ✔
	d) 1.5 unit ✗

Explanation:	

$$AB = \sqrt{(14-2)^2 + (4-4)^2} = 12$$

$$BC = \sqrt{(14-2)^2 + (4-20)^2} = 20$$

$$AC = \sqrt{(2-2)^2 + (20-4)^2} = 16$$

12, 20, 16 are Pythagoras triplets.

$$\therefore r = \frac{P+B-H}{2} \Rightarrow \frac{12+16-20}{2}$$

$$\Rightarrow \frac{8}{2} \Rightarrow 4 \text{ unit (Ans)}$$

Q. 55	A person lent Rs. 25000 to X for 2 years and Rs. 15000 to Y for 5 years on simple interest at the same rate of interest. If the total interest received from both is Rs. 4000, what is the annual rate of interest?
	a) 3.2% ✓
	b) 4.8% ✗
	c) 2.5% ✗
	d) 1.6% ✗
Explanation:	Let the annual rate of interest be R%
	Using Simple Interest formula:
	SI = (P × R × T) / 100
	Interest from X:
	= (25000 × R × 2) / 100 = 500R
	Interest from Y:
	= (15000 × R × 5) / 100 = 750R
	Total interest = 500R + 750R = 1250R
	Given: Total interest = Rs. 4000
	⇒ 1250R = 4000
	⇒ R = 4000 / 1250
	⇒ R = 3.2%
	Final Answer: 3.2% per annum

Q. 56	Consider a regular hexagon ABCDEF. There are towers placed at B and D. The angle of elevation from A to the tower at B is 60 degrees, and to the top of the tower at D is 45 degrees. What is the ratio of the heights of towers at B and D? a) $4 : \sqrt{3}$ ✗ b) $\sqrt{3} : 2$ ✓ c) $\sqrt{2} : 3$ ✗ d) $\sqrt{5} : 4$ ✗
Explanation:	In a regular hexagon: • The distance from A to B is s (side length). • The distance from A to D (opposite vertex) is 2s. From A: • For tower at B: tan 60° = height / s → height = s√3 • For tower at D: tan 45° = height / (2s) → height = 2s So, the ratio of heights: (s√3) : (2s) = √3 : 2

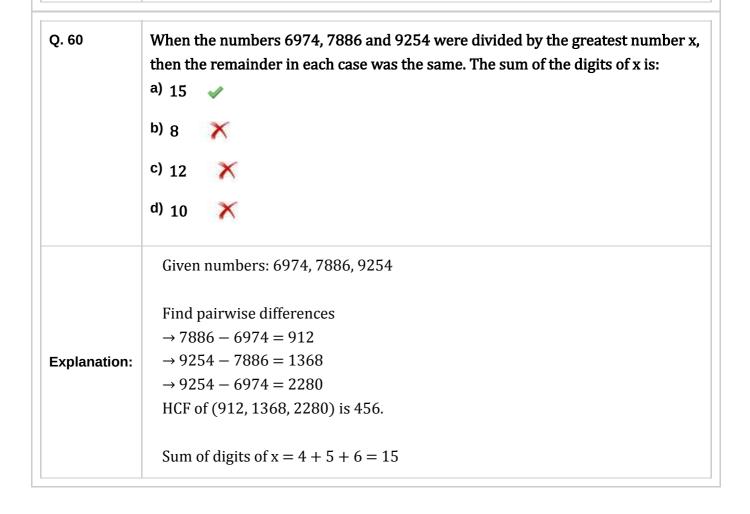| Q. 57	Three partners X, Y, and Z started a business with their investments in the ratio 9 : 12 : 15. After 8 months, Y withdrew 25% of his share, while Z withdrew 20% of his share 6 months before the end of the year. The total profit at the end of the year is ₹59,697. Find the share of Z (in ₹) in the profit.
	a) Rs. 21,973　　✗
	b) Rs. 26,328　　✗
	c) Rs. 23,091　　✗
	d) Rs. 24,057　　✓
Explanation:	Let initial investments of X, Y, Z be: X = 9 units Y = 12 units Z = 15 units Time invested: X = 12 months Y = 8 months at full + 4 months at 75% = (12 × 8) + (12 × 0.75 × 4) = 96 + 36 = 132 units Z = 6 months at full + 6 months at 80% = (15 × 6) + (15 × 0.8 × 6) = 90 + 72 = 162 units Effective capital-months: X = 9 × 12 = 108 Y = 132 Z = 162 Total capital-months = 108 + 132 + 162 = 402 Z's share of profit: = (162 / 402) × 59697 = (27 / 67) × 59697 = ₹24057 Final Answer: ₹24,057

Q. 58	If ABC is a right-angled triangle, right angled at A, AD is perpendicular on side BC. The perimeter of ΔABD=30cm and the perimeter of ΔACD=16cm. Find the perimeter of triangle ABC?
	a) 28 cm ✗
	b) 34 cm ✔
	c) 42 cm ✗
	d) 68 cm ✗

Explanation:	

$\triangle ABD \sim \triangle CAD \sim \triangle CBA$

$\downarrow$　　　$\downarrow$　　　$\downarrow$

30　　　16　　　?

Pythogoras triplets = 8, 15, 17

8　，　15　，　17
↓×2　↓×2　↓×2
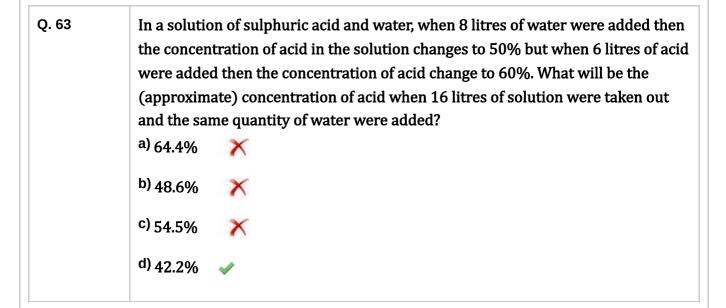16　　30　　34

∴ Perimeter of ΔABC = 34 cm

Q. 59	A boat travels a certain distance downstream in 3y hours, but returns only 80% of the previous distance in 2.5y hours. What is the ratio of the speed of the boat in still water to the speed of the stream?
	a) 25 : 24 ✗
	b) 7 : 3 ✗
	c) 49 : 1 ✓
	d) 5 : 1 ✗

Explanation:	Let distance downstream = D ⇒ Speed downstream = D / 3y
	Let upstream distance = 0.8D ⇒ Speed upstream = 0.8D / 2.5y = 8D / 25y
	Now:
	=> B + S = D / 3y
	=> B − S = 8D / 25y
	Add: 2B = (D / 3y) + (8D / 25y) = 49D / 75y ⇒ B = 49D / 150y
	Subtract: 2S = (D / 3y) − (8D / 25y) = D / 75y ⇒ S = D / 150y
	Ratio: B : S = (49D / 150y) : (D / 150y) = **49 : 1**

Q. 60	When the numbers 6974, 7886 and 9254 were divided by the greatest number x, then the remainder in each case was the same. The sum of the digits of x is:
	a) 15 ✓
	b) 8 ✗
	c) 12 ✗
	d) 10 ✗

Explanation:	Given numbers: 6974, 7886, 9254
	Find pairwise differences
	→ 7886 − 6974 = 912
	→ 9254 − 7886 = 1368
	→ 9254 − 6974 = 2280
	HCF of (912, 1368, 2280) is 456.
	Sum of digits of x = 4 + 5 + 6 = 15

Q. 61	Neha would take 20 days working 3 hours per day to complete a certain task, whereas Priya would take 10 days working 6 hours per day to complete the same task. They decide to work together to complete this task. Priya agrees to work for double the number of hours per day as Neha, while Neha agrees to work for double the number of days as Priya. If Neha works 3 hours per day, then the number of days Priya will work is:
	a) 3.5 days ✗
	b) 5 days ✔
	c) 6.3 days ✗
	d) 8 days ✗

Explanation:	

$$N \times 20 \times 3 = P \times 10 \times 6$$
$$N/p = 1/1$$

Priya → 6 hr , y days
Neha → 3hr , 2y days

Total work $= 1 \times 20 \times 3 = 60$ units

$\Rightarrow 60 = 1 \times 6 \times y + 1 \times 3 \times 2y$
$\Rightarrow 60 = 12y \Rightarrow y = 5$

∴ No. of days priya works $= 5$ days

Q. 62	Let $5t - \frac{1}{5t} = 7$, then which of the following expressions has the value equal to 76?
	a) $25(5t^2 + 1 + \frac{1}{25t^2})$ ✗
	b) $25(t^2 + 1 + \frac{1}{625t^2})$ ✔
	c) $25(5t^2 + 5 + \frac{1}{25t^2})$ ✗
	d) $25(5t^2 + 1 + \frac{1}{625t^2})$ ✗

Explanation:	$5t - \frac{1}{5t} = 7$
	Squaring both sides
	$25t^2 + \frac{1}{25t^2} - 2 = 49$
	$25t^2 + \frac{1}{25t^2} = 51$
	$25t^2 + \frac{1}{25t^2} + 25 = 76$
	$25\left(t^2 + 1 + \frac{1}{625t^2}\right)$

Q. 63	In a solution of sulphuric acid and water, when 8 litres of water were added then the concentration of acid in the solution changes to 50% but when 6 litres of acid were added then the concentration of acid change to 60%. What will be the (approximate) concentration of acid when 16 litres of solution were taken out and the same quantity of water were added?

a) 64.4% ✗

b) 48.6% ✗

c) 54.5% ✗

d) 42.2% ✔

Explanation:

Acid → x

Water → y

$$\frac{x}{y+8} = \frac{2}{1}$$

$$x = y+8 \quad —①$$

$$\frac{x+6}{y} = \frac{3}{2}$$

⇒ $2x+12 = 3y$ ②

⇒ $3y = 2(y+8)+12$

⇒ $y = 28$ ⇒ $x = 36$

After 16 litres of solution removal, remaining

Acid $= 36 \times \frac{3}{4} = 27$ litre

Water $= 28 \times \frac{3}{4} = 21$ litre

New Ratio =

   Acid : water

   27 : (21+16)

⇒ 27 : 37

Concentration of Acid

⇒ $\frac{27}{64} \times 100 = 42.2\%$.

Q. 64	Find the values of x, y and z, so as to satisfy the equations given below: 6x + 3y - 2z = -35 -4x + 5y + 8z = 71 2x – 6y + 3z = -18 **a)** $x = -6, y = 3, z = -4$ ✗ **b)** $x = 6, y = -3, z = 4$ ✗ **c)** $x = -6, y = 3, z = 4$ ✓ **d)** $x = -6, y = -3, z = 4$ ✗
Explanation:	Given equations: (1) $6x + 3y - 2z = -35$ (2) $-4x + 5y + 8z = 71$ (3) $2x - 6y + 3z = -18$ Try option (c): $x = -6, y = 3, z = 4$ Check (1): $6(-6) + 3(3) - 2(4) = -36 + 9 - 8 = -35$ Check (2): $-4(-6) + 5(3) + 8(4) = 24 + 15 + 32 = 71$ Check (3): $2(-6) - 6(3) + 3(4) = -12 - 18 + 12 = -18$ All equations satisfied Answer: (c) $x = -6, y = 3, z = 4$

Q. 65	A moderately skewed data set has an arithmetic mean (A.M.) of 150, a coefficient of variation (C.V.) of 12, and a coefficient of skewness of 0.36. Find the median of the distribution.
	a) 143.26 ✗
	b) 145.32 ✗
	c) 147.84 ✔
	d) 152.68 ✗

| Explanation: | Given:
Mean (A.M.) = 150
C.V. = 12
Coefficient of skewness = 0.36
Step 1:
C.V. = (Standard deviation / Mean) × 100
12 = (s / 150) × 100
s = (12 × 150) / 100 = 18
Step 2:
Skewness = 3(Mean – Median) / Standard deviation
0.36 = 3(150 – Median) / 18
0.36 × 18 = 3(150 – Median)
6.48 = 3(150 – Median)
6.48 / 3 = 150 – Median
2.16 = 150 – Median
Median = 150 – 2.16 = 147.84 |

Q. 66	A hemispherical container of oil is 88 cm round the brim. 1/4 of the volume of the container is empty. This oil is to be transferred in small hemispherical bowls having radius of 3.5 cm. How many bowls will be required?
	a) 54 ✗
	b) 48 ✔
	c) 36 ✗
	d) 64 ✗

| Explanation: | Circumference $= 2\pi R$

 ⇒ $2\pi R = 88$

 ⇒ $2 \times \frac{22}{7} \times R = 88$ ⇒ $R = 14\ cm$

 vol. of filled part of large hemisphere $= n \times$ volume of small hemispherical bowl

 ⇒ $\frac{3}{4} \times \frac{2}{3}\pi \times (14)^3 = \frac{2}{3}\pi \left(\frac{35}{10}\right)^3 \times n$

 ⇒ $n = \frac{3}{4} \dfrac{\times 14 \times 14 \times 14 \times (10)^3}{35 \times 35 \times 35}$

 ⇒ $n = \frac{3}{4} \times 2 \times 2 \times 2 \times 8$

 ⇒ $n = 48\ (Ans)$ |

Q. 67	If $\sin 2\theta = 3/5$ and θ lies in the first quadrant, find the value of $\cos 4\theta$.
	a) 7/25 ✔
	b) –7/25 ✘
	c) 17/25 ✘
	d) –17/25 ✘
Explanation:	Given: $\sin(2\theta) = 3/5$ $\Rightarrow \sin^2(2\theta) = (3/5)^2 = 9/25$ Use identity: $\cos(4\theta) = 1 - 2\sin^2(2\theta)$ $= 1 - 2 \times (9/25)$ $= 1 - 18/25$ $= (25 - 18)/25 = 7/25$ Final Answer: 7/25

Q. 68	A card is drawn from a pack of 52 cards and a gambler bets that it is a club or a queen. What are the odds against his winning this bet?
	a) 9 : 4 ✓
	b) 36 : 18 ✗
	c) 23 : 15 ✗
	d) 19 : 33 ✗

Explanation:	Total cards = 52
	Favorable outcomes:
	- Clubs = 13 cards
	- Queens = 4 cards
	But 1 card (Queen of Clubs) is counted twice
	So, total favorable = $13 + 4 - 1 = 16$
	Unfavorable outcomes = $52 - 16 = 36$
	Odds against winning = Unfavorable : Favorable = $36 : 16$
	Simplify: 9 : 4
	Final Answer: Option A) 9 : 4

Q. 69	A shopkeeper sold 3/4 of his articles at a gain of 25% and the remaining at the cost price. What is his gain percentage in the whole transaction? a) 16.66% ✗ b) 18.75% ✔ c) 24.25% ✗ d) 22.22% ✗
Explanation:	4 → let total articles 3 → ↑25% 1 → 0% $\Rightarrow \dfrac{3 \times 25\% + 1 \times 0\%}{4}$ $\Rightarrow 75\%/4 = 18.75\%$ (Ans)

Q. 70	Find the equation of the circle with center at $(3, -2)$ and radius 5.
	a) $(x - 3)^2 + (y + 2)^2 = 25$ ✔
	b) $(x + 3)^2 + (y - 2)^2 = 25$ ✘
	c) $(x - 3)^2 + (y - 2)^2 = 25$ ✘
	d) $(x + 3)^2 + (y + 2)^2 = 25$ ✘
Explanation:	Standard form of a circle: $(x - h)^2 + (y - k)^2 = r^2$ Where (h, k) = center and r = radius Given: Center $= (3, -2) \Rightarrow h = 3, k = -2$ Radius $= 5 \Rightarrow r^2 = 25$ Plug into formula: $(x - 3)^2 + (y - (-2))^2 = 25$ $\Rightarrow (x - 3)^2 + (y + 2)^2 = 25$ Correct Option: $(x - 3)^2 + (y + 2)^2 = 25$
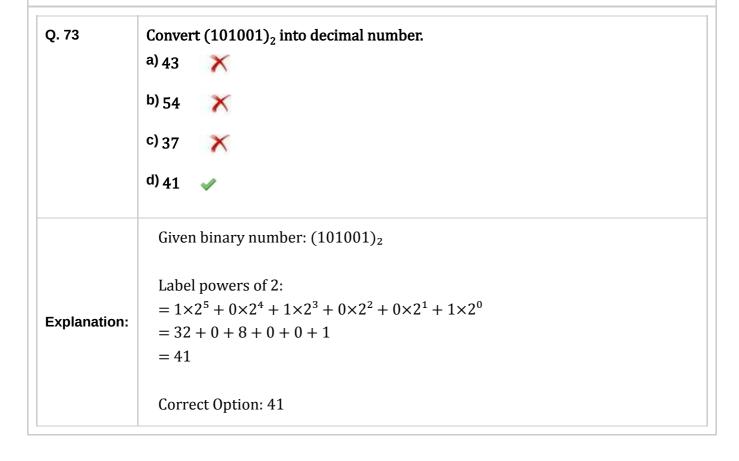
Q. 71	A dishonest merchant sells his grocery using weights that are 16% less than the true weights and makes a profit of 5%. Find his total gain percentage.
	a) 15%　✗
	b) 10%　✗
	c) 25%　✓
	d) 20%　✗
Explanation:	$$\frac{SP}{CP} = \frac{100}{84} \times \frac{105}{100}$$ $$\frac{SP}{CP} = \frac{5}{4}$$ $$\therefore \text{profit \%} = \frac{1}{4} \times 100 = 25\%$$
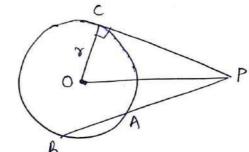
Q. 72	A sum of money is to be distributed among 3 friends P, Q and R in the proportion of 6 : 3 : 2 . If P gets ₹1,600 more than R, what is Q's share?
	a) 900 ✗
	b) 1200 ✓
	c) 600 ✗
	d) 1500 ✗
Explanation:	Let the shares of P, Q, R be: P = 6x, Q = 3x, R = 2x Given: P − R = ₹1600 ⇒ 6x − 2x = ₹1600 ⇒ 4x = ₹1600 ⇒ x = ₹400 Now find Q's share: Q = 3x = 3 × ₹400 = ₹1200 Correct Option: 1200

Q. 73	Convert $(101001)_2$ into decimal number.
	a) 43 ✗
	b) 54 ✗
	c) 37 ✗
	d) 41 ✓
Explanation:	Given binary number: $(101001)_2$ Label powers of 2: $= 1 \times 2^5 + 0 \times 2^4 + 1 \times 2^3 + 0 \times 2^2 + 0 \times 2^1 + 1 \times 2^0$ $= 32 + 0 + 8 + 0 + 0 + 1$ $= 41$ Correct Option: 41

Q. 74	Find the value of $4\cos^3 20° - 3\cos 20°$.
	a) 1 ✗
	b) $\frac{1}{2}$ ✓
	c) 0 ✗
	d) $\frac{\sqrt{3}}{2}$ ✗
Explanation:	Use identity: $\cos(3\theta) = 4\cos^3(\theta) - 3\cos(\theta)$ Let $\theta = 20°$ Then: $\cos(3 \times 20°) = \cos(60°)$ We know: $\cos(60°) = 1/2$ ∴ Final Answer: $4\cos^3(20°) - 3\cos(20°) = 1/2$

Q. 75	P is a point outside a circle and is 26 cm away from its centre. A secant drawn from the point P intersects the circle at points A and B in such a way that PA = 14 cm and AB = 10 cm, where PB > PA. The radius of the circle is:
	a) $2\sqrt{85}$ ✔
	b) $6\sqrt{85}$ ✘
	c) $4\sqrt{85}$ ✘
	d) $8\sqrt{85}$ ✘

| Explanation: |

$(PC)^2 = PA \times PB$ — (i)

$(PC)^2 = (OP)^2 - r^2$ — (ii)

2) $PA \times PB = (OP)^2 - r^2$

2) $14 \times 24 = (26)^2 - r^2$

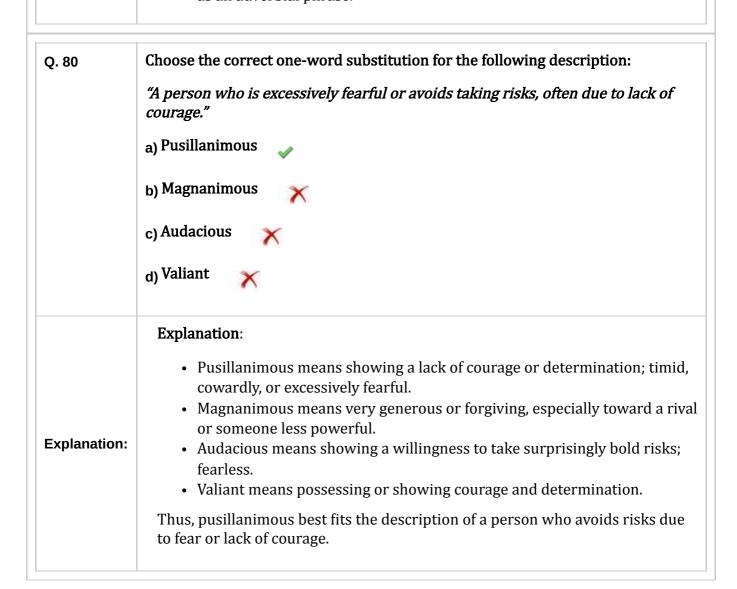2) $\sqrt{340} = r^2$ 2) $r = 2\sqrt{85}$ (Ans) |
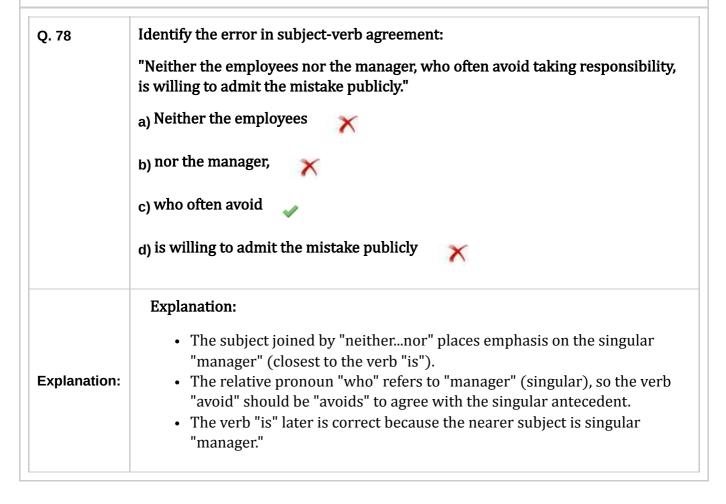
Q. 76	Match the terms in Column A with their correct one-word substitutions from Column B:

Column A (Description)	Column B (One-Word Substitution)
1) A person who believes that no ultimate meaning or value exists in life	A) Loquacious
2) A person who claims that knowledge is impossible to attain	B) Know-it-all
3) A person who is extremely talkative or fond of talking	C) Nihilist
4) A person who claims to know everything, often arrogantly	D) Agnostic

a) 1 → D , 2 → B , 3 → C , 4 → A ✘

b) 1 → B , 2 → A , 3 → D, 4 → C ✘

c) 1 → C, 2 → D, 3 → A , 4 → B ✔

d) 1 → A , 2 → C , 3 → B , 4 → D ✘

Explanation:

Brief Explanation:

- Nihilist: believes life has no meaning or value.
- Agnostic: claims knowledge (especially of divine) is unknowable.
- Loquacious: very talkative person.
- Know-it-all: arrogantly claims to know everything.

Other options mismatch these meanings and are therefore incorrect.

Q. 77	Select the word that is the closest antonym of "prolix" as used in the sentence below:
	"The professor's prolix lecture lost the attention of most students due to its excessive length and wordiness."
	a) Concise ✔
	b) Verbose ✘
	c) Tedious ✘
	d) Rambling ✘
Explanation:	**Explanation**: • Prolix means using too many words; long-winded or tediously lengthy. • Option A: Concise means expressing much in few words; brief and to the point—this is the direct opposite of prolix. • Option B: Verbose is a synonym of prolix, meaning wordy or long-winded. • Option C: Tedious means boring or tiresome but does not specifically address length or wordiness, so not a true antonym. • Option D: Rambling means wandering from topic to topic and also overlaps in meaning with prolix rather than serving as its opposite.

Q. 78	Identify the error in subject-verb agreement:
	"Neither the employees nor the manager, who often avoid taking responsibility, is willing to admit the mistake publicly."
	a) Neither the employees ✘
	b) nor the manager, ✘
	c) who often avoid ✔
	d) is willing to admit the mistake publicly ✘
Explanation:	**Explanation:** • The subject joined by "neither...nor" places emphasis on the singular "manager" (closest to the verb "is"). • The relative pronoun "who" refers to "manager" (singular), so the verb "avoid" should be "avoids" to agree with the singular antecedent. • The verb "is" later is correct because the nearer subject is singular "manager."

Q. 79	Identify the type of the underlined phrase in the following sentence:
	"The students cheered loudly <u>at the end of the presentation</u>, showing their appreciation for the speaker."
	a) Adjective phrase ✗
	b) Noun phrase ✗
	c) Adverbial phrase ✓
	d) Verb phrase ✗
Explanation:	**Explanation:** • The underlined phrase "at the end of the presentation" tells us when the students cheered, thereby modifying the verb "cheered." • Because it provides information about the time of the action, it functions as an adverbial phrase.

Q. 80	Choose the correct one-word substitution for the following description:
	"A person who is excessively fearful or avoids taking risks, often due to lack of courage."
	a) Pusillanimous ✓
	b) Magnanimous ✗
	c) Audacious ✗
	d) Valiant ✗
Explanation:	**Explanation:** • Pusillanimous means showing a lack of courage or determination; timid, cowardly, or excessively fearful. • Magnanimous means very generous or forgiving, especially toward a rival or someone less powerful. • Audacious means showing a willingness to take surprisingly bold risks; fearless. • Valiant means possessing or showing courage and determination. Thus, pusillanimous best fits the description of a person who avoids risks due to fear or lack of courage.

Q. 81	Read the passage carefully and answer the following questions:
	Over the past decade, the world has witnessed alarming acceleration in glacier melt, attributed primarily to human-induced global warming. Recent satellite data published by leading climate scientists indicate that glaciers in the Himalayas, Alps, and Andes have lost more than 25% of their mass since 2014. This unprecedented rate of retreat has grave repercussions—not just for the millions who rely on glacier-fed rivers for drinking water and agriculture, but also for global sea levels, which are projected to rise noticeably by 2050 if current trends continue.
	In response, many governments have initiated policies to limit greenhouse gas emissions and promote climate resilience in vulnerable regions. For instance, Norway's government has funded large-scale renewable energy projects, and international conferences have featured calls for binding commitments to net-zero emissions. Despite such measures, experts warn that if action is not swift and decisive, the consequences—ranging from water scarcity to more frequent natural disasters—will be unavoidable.
	One poignant image from a recent UN report showed a once-thriving glacier "reduced to mere remnants," illustrating the severity of the situation. Scientists emphasize that the crisis is not only environmental but also social, given that livelihoods and cultural traditions in mountain communities are inextricably linked to the fate of glaciers.
	1. Which of the following sentences from the passage is written in the passive voice?
	a) Climate scientists indicate that glaciers have lost mass. ✗
	b) Many governments have initiated policies on emissions. ✗
	c) Glaciers in the Himalayas are melting rapidly. ✗
	d) The glacier was reduced to mere remnants. ✓
Explanation:	**Explanation:**
	The glacier was reduced to mere remnants.
	"Was reduced" is a passive construction: the glacier (subject) receives the action.

Q. 82	Read the passage carefully and answer the following questions:
	Over the past decade, the world has witnessed alarming acceleration in glacier melt, attributed primarily to human-induced global warming. Recent satellite data published by leading climate scientists indicate that glaciers in the Himalayas, Alps, and Andes have lost more than 25% of their mass since 2014. This unprecedented rate of retreat has grave repercussions—not just for the millions who rely on glacier-fed rivers for drinking water and agriculture, but also for global sea levels, which are projected to rise noticeably by 2050 if current trends continue.
	In response, many governments have initiated policies to limit greenhouse gas emissions and promote climate resilience in vulnerable regions. For instance, Norway's government has funded large-scale renewable energy projects, and international conferences have featured calls for binding commitments to net-zero emissions. Despite such measures, experts warn that if action is not swift and decisive, the consequences—ranging from water scarcity to more frequent natural disasters—will be unavoidable.
	One poignant image from a recent UN report showed a once-thriving glacier "reduced to mere remnants," illustrating the severity of the situation. Scientists emphasize that the crisis is not only environmental but also social, given that livelihoods and cultural traditions in mountain communities are inextricably linked to the fate of glaciers.
	2. Which phrase from the passage means "to make something permanently less than before"?
	a) Climate resilience ✗
	b) Swift and decisive action ✗
	c) Reduced to mere remnants ✓
	d) Livelihoods and cultural traditions ✗
Explanation:	**Explanation:** Reduced to mere remnants This phrase means something is diminished to only the last traces—permanently less than before.

Q. 83	Read the passage carefully and answer the following questions:
	Over the past decade, the world has witnessed alarming acceleration in glacier melt, attributed primarily to human-induced global warming. Recent satellite data published by leading climate scientists indicate that glaciers in the Himalayas, Alps, and Andes have lost more than 25% of their mass since 2014. This unprecedented rate of retreat has grave repercussions—not just for the millions who rely on glacier-fed rivers for drinking water and agriculture, but also for global sea levels, which are projected to rise noticeably by 2050 if current trends continue.
	In response, many governments have initiated policies to limit greenhouse gas emissions and promote climate resilience in vulnerable regions. For instance, Norway's government has funded large-scale renewable energy projects, and international conferences have featured calls for binding commitments to net-zero emissions. Despite such measures, experts warn that if action is not swift and decisive, the consequences—ranging from water scarcity to more frequent natural disasters—will be unavoidable.
	One poignant image from a recent UN report showed a once-thriving glacier "reduced to mere remnants," illustrating the severity of the situation. Scientists emphasize that the crisis is not only environmental but also social, given that livelihoods and cultural traditions in mountain communities are inextricably linked to the fate of glaciers.
	3. Choose the best synonym for "grave" as it is used in the passage.
	a) cheerful ✗
	b) critical ✓
	c) slight ✗
	d) accidental ✗
Explanation:	Explanation: Critical The context: "grave repercussions" means serious or critical consequences

Q. 84	Read the passage carefully and answer the following questions: Over the past decade, the world has witnessed alarming acceleration in glacier melt, attributed primarily to human-induced global warming. Recent satellite data published by leading climate scientists indicate that glaciers in the Himalayas, Alps, and Andes have lost more than 25% of their mass since 2014. This unprecedented rate of retreat has grave repercussions—not just for the millions who rely on glacier-fed rivers for drinking water and agriculture, but also for global sea levels, which are projected to rise noticeably by 2050 if current trends continue. In response, many governments have initiated policies to limit greenhouse gas emissions and promote climate resilience in vulnerable regions. For instance, Norway's government has funded large-scale renewable energy projects, and international conferences have featured calls for binding commitments to net-zero emissions. Despite such measures, experts warn that if action is not swift and decisive, the consequences—ranging from water scarcity to more frequent natural disasters—will be unavoidable. One poignant image from a recent UN report showed a once-thriving glacier "reduced to mere remnants," illustrating the severity of the situation. Scientists emphasize that the crisis is not only environmental but also social, given that livelihoods and cultural traditions in mountain communities are inextricably linked to the fate of glaciers. 4. Which word in the passage is an antonym for "binding"? a) vulnerable ✗ b) resilience ✗ c) swift ✗ d) mere ✓
Explanation:	**Explanation:** **Mere** "Binding" means strong or obligatory; "mere" means minimal or insubstantial—the opposite in the sense of effect or importance.

Q. 85	Read the passage carefully and answer the following questions:
	Over the past decade, the world has witnessed alarming acceleration in glacier melt, attributed primarily to human-induced global warming. Recent satellite data published by leading climate scientists indicate that glaciers in the Himalayas, Alps, and Andes have lost more than 25% of their mass since 2014. This unprecedented rate of retreat has grave repercussions—not just for the millions who rely on glacier-fed rivers for drinking water and agriculture, but also for global sea levels, which are projected to rise noticeably by 2050 if current trends continue.
	In response, many governments have initiated policies to limit greenhouse gas emissions and promote climate resilience in vulnerable regions. For instance, Norway's government has funded large-scale renewable energy projects, and international conferences have featured calls for binding commitments to net-zero emissions. Despite such measures, experts warn that if action is not swift and decisive, the consequences—ranging from water scarcity to more frequent natural disasters—will be unavoidable.
	One poignant image from a recent UN report showed a once-thriving glacier "reduced to mere remnants," illustrating the severity of the situation. Scientists emphasize that the crisis is not only environmental but also social, given that livelihoods and cultural traditions in mountain communities are inextricably linked to the fate of glaciers.
	5. Which sentence from the passage is also in the passive voice?
	a) Recent satellite data published by leading climate scientists indicate... ✔️
	b) The world has witnessed glacier melt. ❌
	c) Illustrating the severity of the situation. ❌
	d) International conferences have featured calls for net-zero commitments. ❌
Explanation:	**Explanation:** Recent satellite data published by leading climate scientists indicate...
	"Published by leading climate scientists" is a reduced relative clause and functions similarly to the passive: The publication happened to the data.

Q. 86	Fill in the blanks with the most appropriate nouns:
	"The _____ (1) _____ of the new environmental policy sparked widespread debate among experts, while the government promised greater _____ (2) _____ to ensure its effective implementation."
	a) Opposition, surveillance ✓
	b) Oppositions, surveillances ✗
	c) Oppose, surveilled ✗
	d) Oppositional, surveilling ✗

Explanation:	**Explanation:**
	• Opposition (noun, uncountable or collective noun) is the correct form to describe resistance; "oppositions" is rarely used and incorrect here.
	• Surveillance (noun, uncountable) is the correct word for oversight or monitoring; "surveillances" is incorrect, and other options are verb forms or adjectives.

Q. 87	In the sentence below, what does the idiom "to bell the cat" most nearly mean?
	"The committee agreed that reform was necessary, but nobody wanted to bell the cat and take on the unpopular task of implementing tough changes."
	a) To avoid responsibility altogether ✗
	b) To complain about a problem without offering solutions ✗
	c) To postpone a decision indefinitely ✗
	d) To bravely take on a difficult and risky task ✓

Explanation:	**Explanation:**
	The idiom "to bell the cat" means to do something risky or difficult that others are afraid to do, especially to warn or confront a danger that everyone acknowledges but no one wants to face.

Q. 88	Identify the sentence that is the odd one out because it contains an antonym pair, while the others contain synonym pairs.
	a) The startup's approach was both bold and courageous, inspiring other entrepreneurs to take risks. ✗
	b) The instructions were clear and lucid, making the assembly process easy for everyone. ✗
	c) The politician's speech was sincere yet deceptive, leaving the audience unsure of his true intentions. ✓
	d) The food at the festival was delicious and tasty, drawing large crowds all day. ✗
Explanation:	**Explanation:** • A) "bold" and "courageous" are synonyms (both mean showing bravery). • B) "clear" and "lucid" are synonyms (both mean easy to understand). • C) "sincere" and "deceptive" are antonyms (sincere = genuine, deceptive = misleading). • D) "delicious" and "tasty" are synonyms (both mean good to eat). **Correct odd one out:** C, because it contains an antonym pair, while all the others contain pairs of synonyms.

Q. 89	Choose the word that is the closest synonym of "virile" as used in the sentence below:
	"The leader's virile presence commanded respect and inspired confidence among his followers."
	a) Effeminate ✗
	b) Vigorously masculine ✓
	c) Delicate ✗
	d) Timid ✗
Explanation:	**Detailed Explanation:**
	- "Virile" refers to qualities traditionally associated with manliness such as strength, vigour, robustness, and masculine energy.
	- Option A: Effeminate — means having traits traditionally associated with women; it is the antonym of virile.
	- Option B: Vigorously masculine — accurately captures the core meaning of "virile" encompassing strength, masculinity, and vitality.
	- Option C: Delicate — denotes fragility or fineness, contrary to the robust connotation of virile.
	- Option D: Timid — means shy or lacking in courage, very far from the dominant, confident tone implied by virile.

Q. 90	Identify the part of the sentence that contains an error related to phrasal verb usage. If there is no error, choose "No error."
	Despite repeated warnings, the engineer failed to look up the details before submitting the report, and the manager asked him to turn up with corrections by evening.
	a) look up ✗
	b) details before submitting ✗
	c) turn up ✓
	d) No error ✗
Explanation:	**Explanation:** • "Look up" is correctly used, meaning to search for information. • "Turn up" means to arrive or appear, but in this context, it should be "turn in" (meaning to submit corrections). • "Turn up with corrections" is incorrect; the proper phrase is "turn in the corrections" or "submit the corrections." • Therefore, the error is in part C.

Q. 91	In the following paragraph, four words are missing and marked as blanks (1), (2), (3), and (4). Your task is to select the correct option to fill in the 1st blank (3) only.
	After a tragic passenger plane crash near Aktau earlier this year, Kazakh authorities emphasized the need for _____ (1) _____ investigation procedures to avoid future disasters. The incident sparked widespread public _____ (2) _____ and calls for improved aviation safety standards. Experts agree that international _____ (3) _____ and cooperation with global aviation bodies are essential to enhance flight safety. This tragedy serves as a _____ (4) _____ reminder of the importance of rigorous safety protocols in Kazakhstan's expanding air travel sector.
	a) isolation ✗
	b) collaboration ✓
	c) obstruction ✗
	d) neglect ✗
Explanation:	**Explanation:** • The sentence highlights the need for joint efforts with international aviation organizations. • "Collaboration" fits well as it means working together, which is essential for improving safety standards. • Other choices like "isolation," "obstruction," or "neglect" are contrary to the context requiring cooperative improvement.

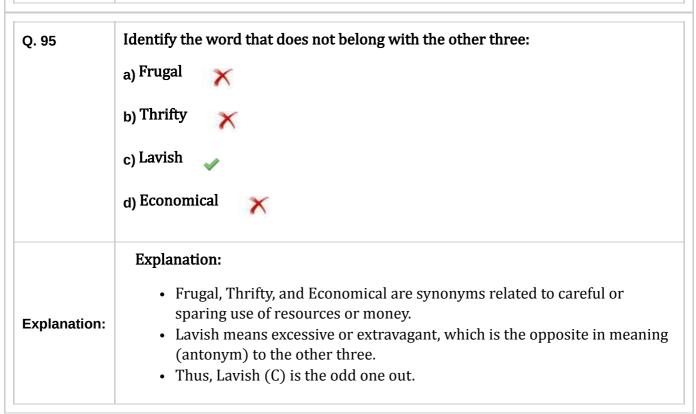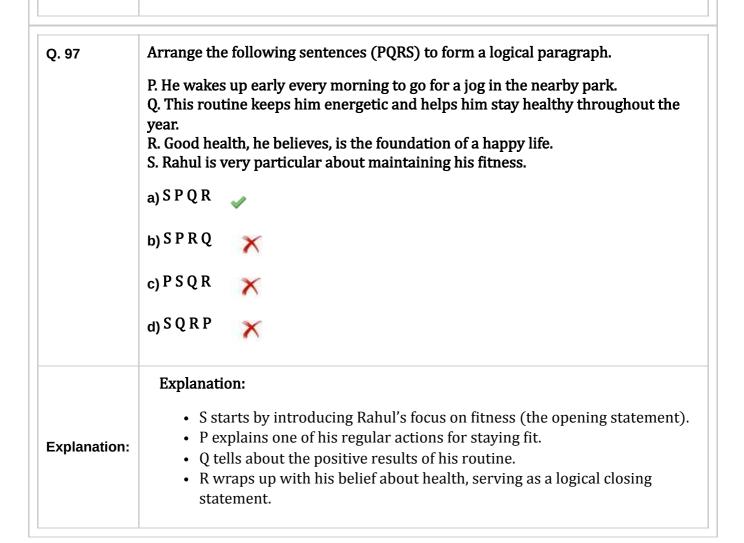| Q. 92	Change the following direct speech sentence into indirect speech:	
	The commentator proclaimed, "If the defending champion overcomes this hurdle, she will have created a new record in Grand Slam history this year."	
	a) The commentator proclaimed that if the defending champion overcame that hurdle, she would have created a new record in Grand Slam history that year.	✔️
	b) The commentator proclaimed that if the defending champion overcomes that hurdle, she would have created a new record in Grand Slam history that year.	❌
	c) The commentator proclaimed that if the defending champion overcame that hurdle, she would create a new record in Grand Slam history that year.	❌
	d) The commentator proclaimed that if the defending champion overcame that hurdle, she will have created a new record in Grand Slam history that year.	❌
Explanation:	**Explanation:** • The reporting verb is in the past tense ("proclaimed"), so tenses in the subordinate clause need to shift accordingly. • "Overcomes" in the conditional clause changes to "overcame" in indirect speech. • "Will have created" (future perfect) becomes "would have created." • "This year" shifts to "that year." • All pronouns and sequence of tenses follow the accepted rules of reported speech.	

Q. 93	From the given paragraph, choose the best option for blank (1,2): Relentless rainfall in Uttarakhand over the past few days has pushed the Ganga in Haridwar close to the danger mark, prompting the administration to issue public alerts. On August 6, officials reported intense water currents and urged residents to avoid riverbanks as several low-lying areas faced sudden _____ (1) _____. Rapid deployment of rescue teams prevented casualties, but unless the rain eases, authorities warn that a series of dangerous _____ (2) _____ could unfold, threatening both infrastructure and livelihoods along the river. a) Celebrations, expansions ✗ b) Festivities, developments ✗ c) Inundation, landslides ✓ d) Prosperity, opportunities ✗
Explanation:	**Explanation:** • inundation (flooding of low-lying areas by swollen Ganga is the immediate threat). • landslides (due to persistent heavy rain, landslides are a major secondary disaster risk in Haridwar & nearby hills).

Q. 94	Change the following active sentence into passive voice: *"The national football team will play the final match at the new stadium tomorrow."* a) The final match will be played by the national football team at the new stadium tomorrow. ✔ b) The final match was played by the national football team at the new stadium tomorrow. ✘ c) The final match has been played by the national football team at the new stadium tomorrow. ✘ d) The final match is played by the national football team at the new stadium tomorrow. ✘
Explanation:	**Explanation:** - The original sentence is in the future tense ("will play"). - Passive voice requires the matching future form: "will be played." - Options B and C reflect past tense forms, which do not correspond with the time "tomorrow." - Option D uses simple present, which is incorrect for the future time expression.

Q. 95	Identify the word that does not belong with the other three: a) Frugal ✘ b) Thrifty ✘ c) Lavish ✔ d) Economical ✘
Explanation:	**Explanation:** - Frugal, Thrifty, and Economical are synonyms related to careful or sparing use of resources or money. - Lavish means excessive or extravagant, which is the opposite in meaning (antonym) to the other three. - Thus, Lavish (C) is the odd one out.

Q. 96	In the sentence below, what does the idiom "off the hook" most nearly mean?
	"After the detailed investigation, the accused businessman was finally declared off the hook, much to the surprise of both the media and the public."
	a) To be freed from blame or difficult situation ✅
	b) To be caught and held responsible ❌
	c) To be put under intense pressure ❌
	d) To be unaware of a serious problem ❌

Explanation:	**Explanation:**
	- The idiom "off the hook" literally refers to a phone no longer ringing or a fishing line no longer snagged, but figuratively means to be released from an obligation, blame, or difficult situation.
	- In this sentence, it indicates that the businessman is freed from accusations or consequences after investigation.
	- Other options are opposite or unrelated to the actual meaning.

Q. 97	Arrange the following sentences (PQRS) to form a logical paragraph.
	P. He wakes up early every morning to go for a jog in the nearby park.
	Q. This routine keeps him energetic and helps him stay healthy throughout the year.
	R. Good health, he believes, is the foundation of a happy life.
	S. Rahul is very particular about maintaining his fitness.
	a) S P Q R ✅
	b) S P R Q ❌
	c) P S Q R ❌
	d) S Q R P ❌

Explanation:	**Explanation:**
	- S starts by introducing Rahul's focus on fitness (the opening statement).
	- P explains one of his regular actions for staying fit.
	- Q tells about the positive results of his routine.
	- R wraps up with his belief about health, serving as a logical closing statement.

Q. 98	Arrange the following statements (PQRS) in the most logical and coherent order:
	P. The Indo-Pacific region has increasingly become a focal point for geopolitical rivalry, with major powers vying for influence over trade routes and security alliances.
	Q. India's strategic initiatives, including participation in the Quad and strengthening maritime partnerships, reflect its commitment to maintaining a balance of power in the region.
	R. As China expands its military presence in the South China Sea, concerns have grown over freedom of navigation and regional stability among smaller neighbouring countries.
	S. To counterbalance these dynamics, multilateral forums and dialogues have gained prominence as platforms for cooperation and conflict mitigation.
	a) P Q R S ✗
	b) P R Q S ✓
	c) R P S Q ✗
	d) Q S P R ✗
Explanation:	**Brief Explanation:**
	- P introduces the broad geopolitical context of the Indo-Pacific.
	- R follows with the specific challenge posed by China's actions.
	- Q then outlines India's strategic responses to these challenges.
	- S concludes by highlighting the role of multilateral cooperation to manage tensions.

Q. 99	Choose the word that is the closest synonym of "wry" as used in the sentence below:
	"He gave a wry smile when asked about the company's repeated failures, hinting at his subtle sarcasm."
	a) Sardonic ✅
	b) Genuine ❌
	c) Bewildered ❌
	d) Joyful ❌
Explanation:	**Explanation:**
	- Wry in this context means expressing dry, mocking, or ironic humour—often subtly sarcastic or twisted.
	- Option A: Sardonic—means grimly mocking or cynical, a close synonym capturing the dry, ironic tone of "wry."
	- Option B: Genuine—means sincere and honest, opposite in tone to wry sarcasm.
	- Option C: Bewildered—means confused or puzzled, unrelated in meaning.
	- Option D: Joyful—means feeling happiness, which does not capture the ironic or sarcastic nuance.
	The correct answer "Sardonic" best reflects the ironic, dry humor implied by "wry."

Q. 100	Fill in the blanks with the most appropriate options: The recent imposition of tariffs by the United States on Indian exports has triggered a wave of _____ (1) _____ among Indian manufacturers. As costs rise and profit margins shrink, many businesses are forced to adopt _____ (2) _____ measures to stay afloat. While government negotiators remain _____ (3) _____ in their efforts to resolve the dispute, uncertainty continues to _____ (4) _____ the country's export-driven sectors. a) Consternation, austerity, indefatigable, bedevil ✔ b) Exhilaration, extravagant, lethargic, liberate ✘ c) Satisfaction, magnanimous, indifferent, rejuvenate ✘ d) Euphoria, lavish, apathetic, illuminate ✘
Explanation:	**Explanation:** • consternation (feeling of anxiety/dismay about bad news) • austerity (strict/thrifty measures during economic hardship) • indefatigable (tireless; fits negotiators' attitude) • bedevil (to cause continual trouble; apt for uncertainty affecting sectors)