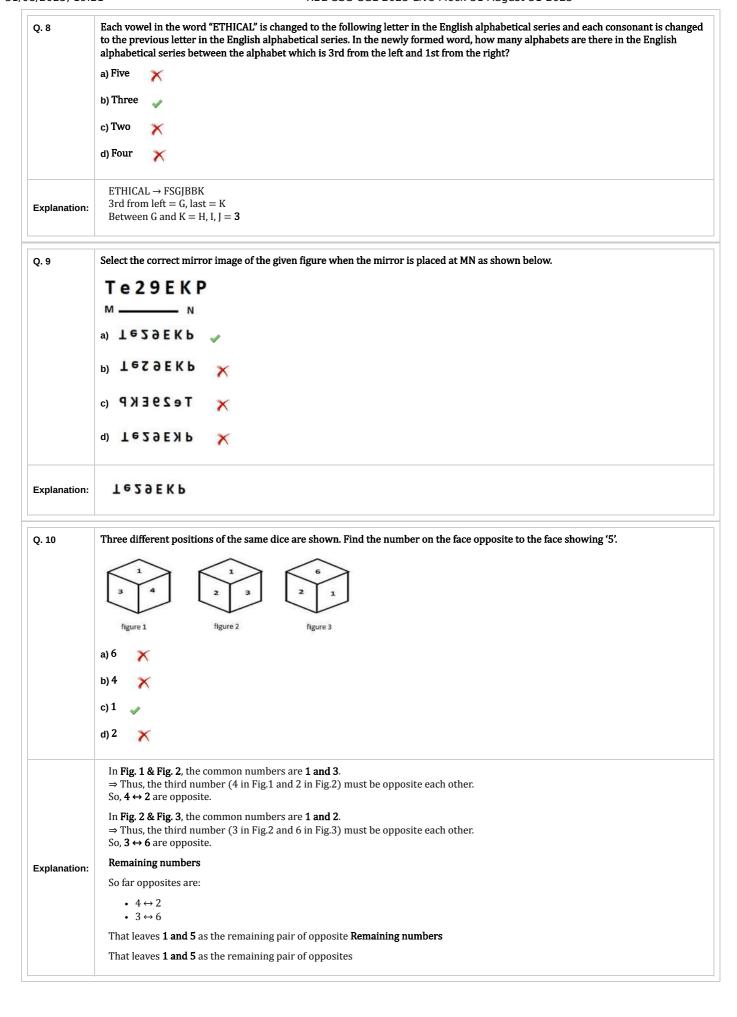
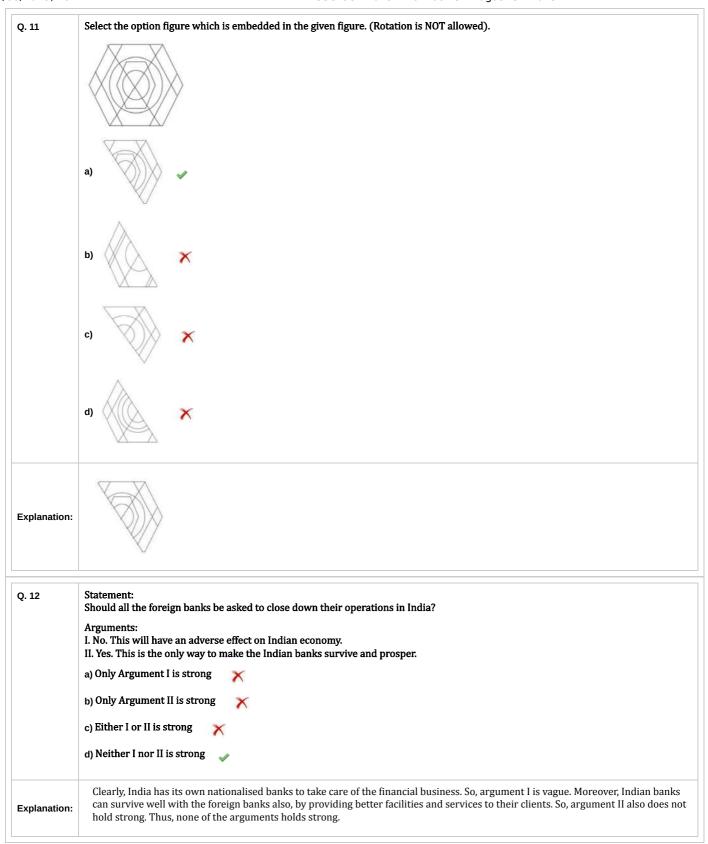
RBE SSC CGL 2025 Live Mock-31 August 31,2025

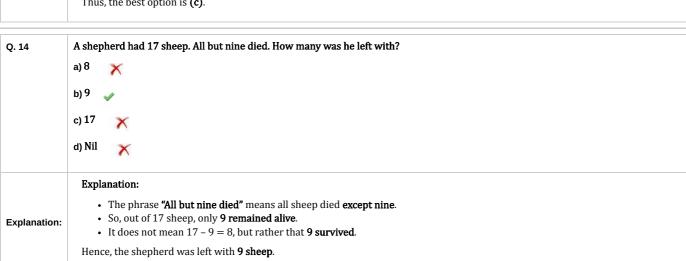
Q. 1	In a certain code language, 'PDU' is written as '43' and 'HXO' is written as '37'. How will 'AUDI' be written in the same code language? a) 66
	b) 78 ×
	c) 69 ×
	d) 77 🧳
	Logic: Sum of opposite letters' positions + number of alphabets in the word.
Explanation:	$PDU \rightarrow K(11) + W(23) + F(6) = 40 + 3 = 43$
	AUDI \rightarrow Z(26)+F(6)+W(23)+R(18) = 73 +4 = 77
Q. 2	Two adjacent faces of a cube are painted blue, and the face opposite to the blue face is painted black. The remaining faces are painted green. The cube is then cut into 216 smaller cubes of equal size. Find the number of smaller cubes which have no face painted.
	a) 48 ×
	b) 96 ×
	c) 8
	d) 64
	• Total small cubes= n ³
	 0 face painted (completely inside cubes)= (n - 2)³ Exactly 1 face painted (face-centre cubes)= 6 × (n - 2)²
	• Exactly 2 faces painted (edge cubes)= 12 × (n - 2)
Explanation:	 Exactly 3 faces painted (corner cubes) = 8 At least 1 face painted = n³ - (n - 2)³
	Given: 216 small cubes \rightarrow n ³ = 216 \rightarrow n = 6
	So, No face painted = $(6-2)^3 = 4^3 = 64$
Q. 3	Select the option that represents the letters that, when placed from left to right in the following blanks, will complete the letter-series
	CL_VECWECLOC_O_E a)OLOXELY
	b) O L P X E L Y
	c)OLOYELZ X
	d) O L O X F M Y
	Series \rightarrow C L _ V E C _ W E C L O _ C _ O _ E
Explanation:	By inserting option (a): C L O V E C L O W E C L O X E C L O Y E
באטומוומנוטח:	← The pattern fits correctly.
	Answer: (a) O L O X E L Y

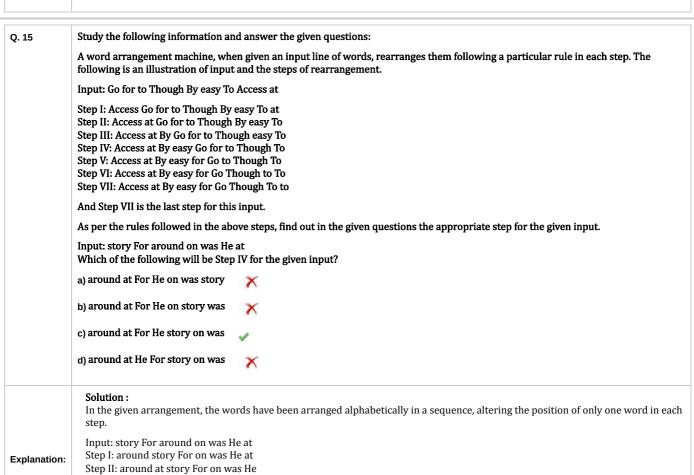
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Q. 4
               Which of the following numbers will replace the question mark (?) in the given series?
               8, 15, 26, ?, 56, 75
               a) 35
                         X
               b) 43
               c) 41
               d) 39
                 Series: 8, 15, 26, ?, 56, 75
                 Differences = 7, 11, ?, ?, 19
Explanation:
                 These are consecutive prime numbers: 7, 11, 13, 17, 19
                 So missing term = 26 + 13 = 39
Q. 5
               Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is
               related to the fifth term.
               7183:3850::6957:?::8972:5639
               a) 3324
               b) 3789
               c) 3223
               d) 3624
                 7183 - 3850 = 3333
                 8972 - 5639 = 3333
Explanation:
                 6957 - ? = 3333 \rightarrow ? = 3624
Q. 6
               If exactly 1 year and 2 days later it is Tuesday, then what day is it today? It is not a leap year.
               a) Tuesday
               b) Monday
               c) Saturday
               d) Friday
                 1 \text{ year (non-leap)} = +1 \text{ day}
                 Extra 2 days = +2
                 Total = +3
Explanation:
                 If that day = Tuesday \rightarrow today = Tuesday -3 = Saturday
Q. 7
               Select the option that represents the correct order of the given words as they would appear in an English dictionary.
               1. Warriors
               2. Warehouse
               3. Warcraft
               4. Warranty
               5. Wardrobe
               6. Wardenship
               a) 3, 6, 5, 2, 1, 4
               b) 3, 6, 5, 2, 4, 1
               c) 3, 5, 6, 2, 4, 1
               d) 3, 5, 6, 2, 1, 4
                 3 (Warcraft), 6 (Wardenship), 5 (Wardrobe), 2 (Warehouse), 4 (Warranty), 1 (Warriors)
Explanation:
                 Correct order = 3, 6, 5, 2, 4, 1
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8/2025, 19:2	21 RBE-SSC-CGL-2025-Live-Mock-31-August-31-2025
Q. 13	You find that in your office some people do not have much work. You will try a) to get rid of them somehow
	b) not to think much about it as the responsibility lies on others
	c) to shift them to other sections where there is shortage of people
	d) to train them and make them fit for promotion to higher grade
	Explanation:
	Option (a) is negative and impractical; getting rid of people is not a professional solution.
Explanation:	 Option (b) shows irresponsibility, as ignoring the issue is not managerial behaviour. Option (c) is the most practical and balanced choice because it redistributes manpower efficiently, ensuring that employees are productively engaged where they are needed.
	 Option (d) is also good but training for promotion is a long-term plan, not an immediate solution to the shortage of work. Thus, the best option is (c).
0.11	A showbard had 17 shoon All but wine died Have money upg he left with?
Q. 14	A shepherd had 17 sheep. All but nine died. How many was he left with?
	a) 8 🔀





Step III: around at For story on was He Step IV: around at For He story on was Answer: (c) around at For He story on was

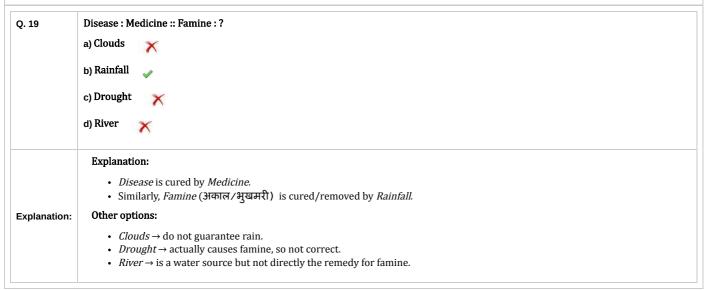
31/08/2025, 19:21 RBE-SSC-CGL-2025-Live-Mock-31-August-31-2025 Q. 16 Read the following information carefully and answer the questions that follow: In a village of Bastar district in Madhya Pradesh, only two types of people live who belong to a tribal class. The first type is known as class A, while the other is known as class B. In that village, there is no other type of person except these two. The activities of both types of people are governed by perfectly patterned norms of social behaviour. Each person of the tribe has to obey the norms. They are rigid about this. As far as marriage is concerned, the following norms are to be followed: (A) The people of class A cannot marry any other member of their own class, though they can marry members of class B. (B) After being married, each male member ceases to be a member of that class in which he was born but automatically, he becomes the member of the other class to which his wife belongs. (C) As far as females are concerned, they remain the members of their own class after being married. (D) On his birth, the child automatically becomes the member of his mother's class. (E) When any male member becomes widower or divorcee, then he again belongs to the group in which he was born. (F) Nobody can marry more than one person according to social laws. Any class B female can have (P) Grandfather born in class A (Q) Grandmother born in class A a) Only (P) can be true b) Only (Q) can be true c) Either (P) or (Q) can be true d) Neither (P) nor (Q) can be true FATHER MOTHER (class B) (class A) FATHER MOTHER (class A) (class B) Explanation: **FEMALE** (class B) The mother of class B female belongs to class B. So, her father was born in class A. Thus, her father's mother belonged to class A, and father's father was born in class B. So, the grandfather belongs to class B and grandmother belongs to class A. Loiter is related to Dwindle in the same way as Impugn is related to ...? Q. 17 a) Challenge b) Gamble c) Confiscate d) Revenge Explanation:

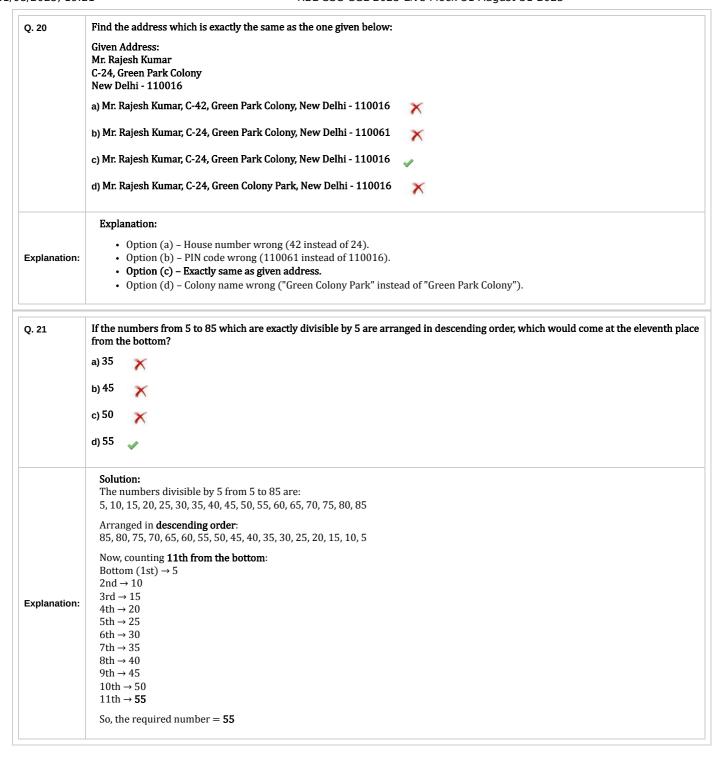
- · Loiter means to move slowly, waste time, linger idly.
- · Dwindle means to gradually become less, waste away.
- 👉 So, both words convey the idea of wasting time / becoming less gradually.
- Impugn means to challenge the truth of something, call into question.
- · The closest word to this is Challenge.

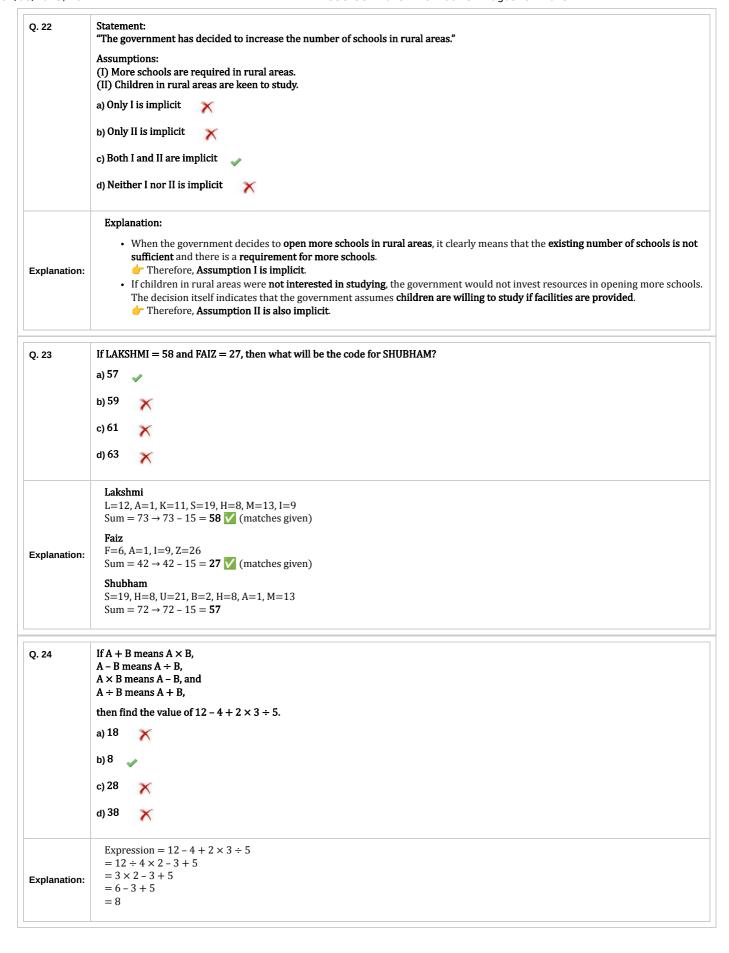
Other options:

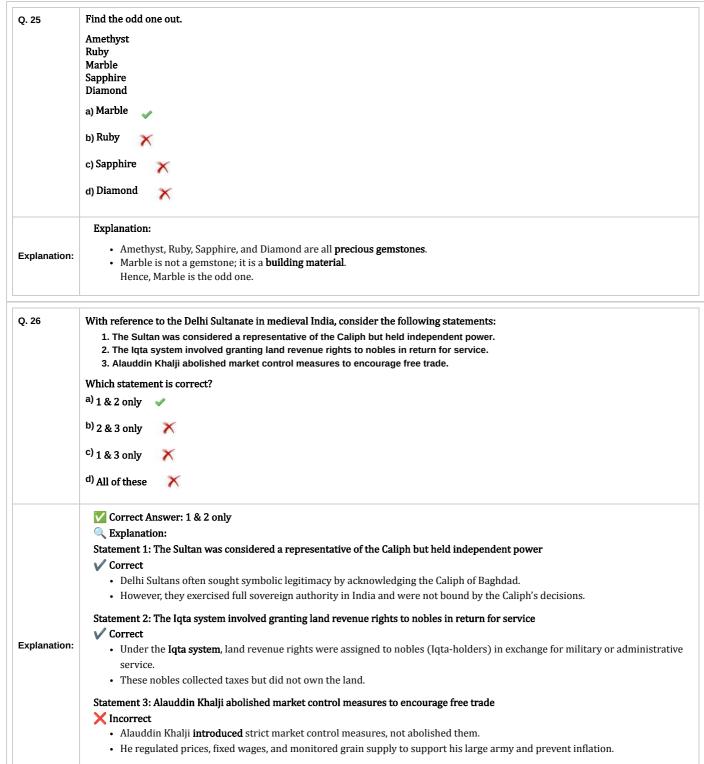
- Gamble = to take risky chance (not related).
- Confiscate = to take away officially (not related).
- Revenge = retaliation (not related).

31/08/2025, 19:21 RBE-SSC-CGL-2025-Live-Mock-31-August-31-2025 Q. 18 Read the following information carefully and answer the questions given below it: In a car exhibition, seven cars of seven different companies viz. Cardilac, Ambassador, Fiat, Maruti, Mercedes, Bedford and Fargo were displayed in a row, facing east such that: 1. Cardilac car was to the immediate right of Fargo. 2. Fargo was fourth to the right of Fiat. 3. Maruti car was between Ambassador and Bedford. 4. Fiat, which was third to the left of Ambassador car, was at one of the ends. Which of the following was the correct position of the Mercedes? a) Immediate left of Cardilac b) Immediate left of Bedford c) Between Bedford and Fargo d) Fourth to the right of Maruti We analyse the given information as follows: • Fargo and Cardilac are together (Cardilac to the immediate right of Fargo). • Fiat, Car, Car, Car, Fargo (Fargo is 4th to the right of Fiat). · Maruti is between Ambassador and Bedford. • Fiat, Car, Car, Ambassador (Fiat is 3rd to the left of Ambassador). Knowing that Fiat lies at one of the ends, arrangement from left to right is: 1. Fiat Explanation: 2. Bedford 3. Maruti 4. Ambassador 5. Fargo 6. Cardilac 7. Mercedes Clearly, Maruti is in the 3rd place and Mercedes is in the 7th place. So, Mercedes is fourth to the right of Maruti.









Final Answer: 1 & 2 only

31/08/2025, 19:21 RBE-SSC-CGL-2025-Live-Mock-31-August-31-2025 Q. 27 Consider the following statements about the Pradhan Mantri Jan Dhan Yojana (PMJDY): 1. It was launched in 2014 to ensure financial inclusion of every household. 2. It provides an overdraft facility of ₹10,000 after satisfactory operation of the account. 3. Life insurance cover is also provided to eligible account holders. Which of the above statements is/are correct? a) Only 1 & 3 X b) Only 2 & 3 c) Only 1 & 2 d) All of these Correct Answer: All of the above statements are correct Explanation: Statement 1: It was launched in 2014 to ensure financial inclusion of every household **✓** Correct • Pradhan Mantri Jan Dhan Yojana (PMJDY) was launched on 28 August 2014. · Its goal was to provide universal access to banking facilities, especially for the unbanked population. Statement 2: It provides an overdraft facility of ₹10,000 after satisfactory operation of the account ✓ Correct · Account holders who operate their accounts satisfactorily for at least six months are eligible for an overdraft facility up to **Explanation:** ₹5000. · This helps in meeting emergency financial needs. Statement 3: Life insurance cover is also provided to eligible account holders ✓ Correct PMJDY offers a life insurance cover of ₹30,000 to eligible beneficiaries who opened their accounts between 15 August 2014 and 26 January 2015. Additionally, a ₹1 lakh accident insurance cover is also provided. (Pradhan Mantri Suraksha Bima Yojana – PMSBY) Final Answer: All of these Q. 28 Consider the following statements about Kathak dance: 1. Kathak originated in North India and is associated with storytelling traditions. 2. The Lucknow and Jaipur gharanas are famous styles of Kathak. 3. Rukmini Devi Arundale is credited with reviving Kathak in the modern age. Which of the above statements is/are INCORRECT? a) Only 2 b) Only 3 c) Only 2 & 3 d) None of these Correct Answer: Only 3 Explanation: Statement 1: Kathak originated in North India and is associated with storytelling traditions ✓ Correct • The word Kathak comes from Katha, meaning story. · It began with temple storytellers in North India who used expressive gestures and rhythmic footwork to narrate epics. Statement 2: The Lucknow and Jaipur gharanas are famous styles of Kathak Correct **Explanation:** · These are two of the most prominent Kathak gharanas: · Lucknow Gharana emphasizes grace and expression • Jaipur Gharana focuses on strong rhythm and footwork Statement 3: Rukmini Devi Arundale is credited with reviving Kathak in the modern age

X Incorrect

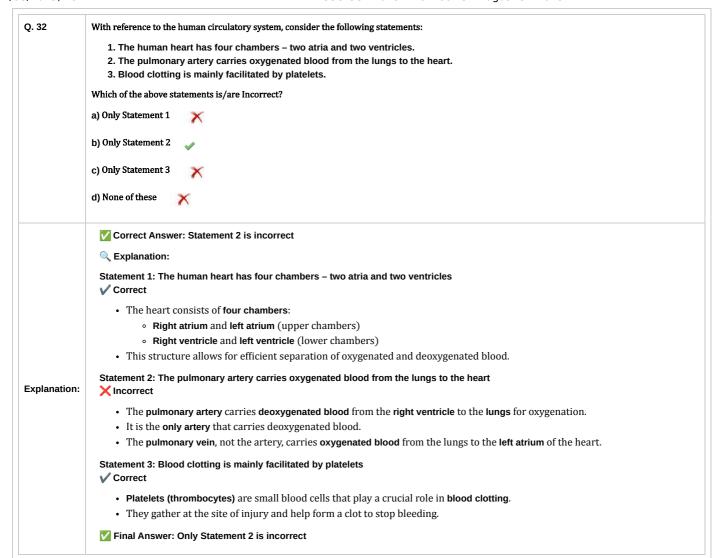
Final Answer: Only 3 is incorrect.

• Rukmini Devi Arundale is known for reviving Bharatanatyam, not Kathak.

• The revival of Kathak is credited to artists like Birju Maharaj, Shambhu Maharaj, and others.

Q. 29	Which country became the 107 th member of the International Solar Alliance (ISA) in 2025?
	a) Panama X
	b) Moldova ✓
	c) Paraguay
	d) Serbia
	Explanation:
	In August 2025, the Republic of Moldova officially joined the International Solar Alliance (ISA) as its 107th member.
	 The ceremonial ratification took place in New Delhi, where Moldova's Ambassador handed over the instrument of accession. ISA, co-founded by India and France in 2015 at the COP21 Paris Summit, aims to promote solar energy globally, especially in
Explanation:	developing nations.
	Moldova's entry strengthens its commitment to clean energy and aligns with ISA's mission to mobilize solar investments and foster
	sustainable development.
Q. 30	Regarding the functions of the Finance Commission, which of the following is NOT a function?
	a) Suggesting principles for grants-in-aid to States
	b) Recommending distribution of tax revenues between Centre and States
	c) Advising measures to augment resources of local governments
	d) Preparing the union budget 🗳
	Explanation:
	The Finance Commission is a constitutional body established under Article 280 of the Indian Constitution. Its key functions include:
	• Suggesting principles for grants-in-aid to States
	 Recommending distribution of tax revenues between Centre and States Advising measures to augment resources of local governments (Panchayats and Municipalities)
Explanation:	However:
	Preparing the union budget
	This is not the function of the Finance Commission.
	 The Union Budget is prepared by the Ministry of Finance, specifically the Department of Economic Affairs, under the guidance of the Finance Minister.

Q. 31 Consider the statements about the Gupta Empire: 1. Shri Gupta established the Gupta dynasty. 2. Samudragupta is known as the "Napoleon of India." 3. The Gupta period is often called the Classical Age of India. Which of the above statements is/are correct? a) 1 & 3 only b) All of these c) 2 & 3 only d) 1 & 2 only Correct Answer: All of the above statements are correct Q Explanation: Statement 1: Shri gupta established the Gupta dynasty ✓ Correct • Shri gupta is credited with founding the Gupta dynasty around 320 CE. • Chandragupta I marriage to Kumaradevi of the Lichchhavi clan helped expand his political influence. Statement 2: Samudragupta is known as the "Napoleon of India" ✓ Correct Explanation: • The title was given by historian Vincent Smith due to Samudragupta's extensive military conquests and strategic brilliance. · His Allahabad Pillar inscription details his campaigns across India. Statement 3: The Gupta period is often called the Classical Age of India ✓ Correct • The Gupta era (4th-6th century CE) is known for its Classical age or golden age of art, literature, science, and culture. • Great scholars like Kalidasa, Aryabhata, and Varahamihira flourished during this time. Final Answer: All of the above statements are correct

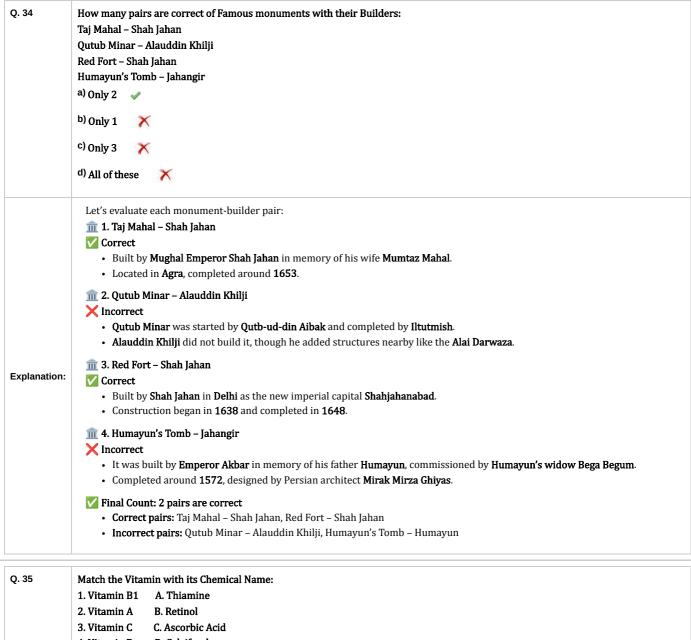


Q. 33 Consider the following statements related to the classification of Directive Principles of State Policy: 1. DPSPs can be broadly classified into Socialistic, Gandhian, and Liberal-Intellectual Principles. 2. DPSPs are primarily punitive provisions to enforce social justice. 3. The State is supposed to apply DPSPs in making laws but failure to do so is not legally punishable. Which of the above statements is/are correct? a) 1 & 3 only b) 1 only c) 3 only d) 1 & 2 only Correct Answer: 1 & 3 only Explanation: Statement 1: DPSPs can be broadly classified into Socialistic, Gandhian, and Liberal-Intellectual Principles **✓** Correct • The Directive Principles of State Policy (DPSPs) in Part IV of the Constitution are grouped into three categories: • Socialistic principles – focus on welfare, equality, and economic justice • Gandhian principles - reflect Mahatma Gandhi's ideals like village panchayats, cottage industries, and prohibition • Liberal-Intellectual principles - promote individual rights, international peace, and uniform civil code Statement 2: DPSPs are primarily punitive provisions to enforce social justice Explanation: X Incorrect • DPSPs are non-justiciable, meaning they cannot be enforced by any court. • They are guiding principles, not punitive provisions. • Their purpose is to direct the State toward creating a just and equitable society.

Statement 3: The State is supposed to apply DPSPs in making laws but failure to do so is not legally punishable

✓ Correct

- Article 37 of the Constitution states that DPSPs are fundamental in governance, and the State shall apply them in law-making.
- However, non-compliance is not legally punishable, as they are not enforceable by courts.
- Final Answer: 1 & 3 only



Q. 35	Match the Vitamin with its Chemical Name:
	1. Vitamin B1 A. Thiamine
	2. Vitamin A B. Retinol
	3. Vitamin C C. Ascorbic Acid
	4. Vitamin D D. Calciferol
	a) 1-A, 2-B, 3-C, 4-D
	b) 1-B, 2-C, 3-D, 4-A
	c) 1–C, 2–B, 3–D, 4–B
	d) 1–D, 2–B, 3–A, 4–C
	✓ Correct Answer: A) 1–A, 2–B, 3–C, 4–D
	Solution:
	 Vitamin B1 → Thiamine
	Essential for nerve function and carbohydrate metabolism.
	 Vitamin A → Retinol
Explanation:	Important for vision, immune function, and skin health.
	 Vitamin C → Ascorbic Acid
	A powerful antioxidant; helps in collagen synthesis and immunity.
	 Vitamin D → Calciferol
	Regulates calcium and phosphate; vital for bone health.

31/08/2025, 19:21 RBE-SSC-CGL-2025-Live-Mock-31-August-31-2025 Q. 36 Consider the following statements about Demand and Supply: 1. The law of demand states that with an increase in price, demand decreases. 2. The law of supply states that with an increase in price, supply decreases. 3. Equilibrium price is where demand equals supply. Which of the above statements is/are correct? a) 1 & 3 Only b) 2 & 3 only c) 1 & 2 only d) All of these Correct Answer: Statements 1 and 3 are correct Explanation: Statement 1: The law of demand states that with an increase in price, demand decreases **✓** Correct · This is the fundamental principle of the law of demand. As the price of a good increases, consumers tend to buy less, assuming other factors remain constant (ceteris paribus). Statement 2: The law of supply states that with an increase in price, supply decreases X Incorrect **Explanation:** • The law of supply actually states the opposite: · As price increases, supply increases, because producers are more willing to produce and sell at higher prices. Statement 3: Equilibrium price is where demand equals supply • The equilibrium price is the point at which the quantity demanded equals the quantity supplied. · At this price, the market is in balance, and there is no surplus or shortage. Final Answer: Statements 1 and 3 are correct Q. 37 Consider the following about the 1929 Lahore Session of the Indian National Congress: 1. The session declared "Purna Swaraj" or complete independence as the Congress objective. 2. The session was presided over by Jawaharlal Nehru. 3. The historic decision to observe 26 January as Independence Day was taken in this session. Which of the above statements is/are correct? a) Only 1 b) 1 & 2 Only c) 1, 2 & 3 Only

d) 1 & 3 Only

Explanation:

All three statements are correct regarding the 1929 Lahore Session of the Indian National Congress:

- 1. V Purna Swaraj declared: The Congress officially adopted "Purna Swaraj" (complete independence) as its goal during this session, rejecting dominion status under British rule.
- 2. V Presided by Jawaharlal Nehru: Jawaharlal Nehru was elected as the President of the Congress for this session, symbolizing the rise of youth leadership and radical nationalism.
- 3. 🔽 26 January as Independence Day: The Congress resolved to celebrate 26 January 1930 as Independence Day, marking the public declaration of Purna Swarai. This date was later chosen as Republic Day in 1950 to honor that historic decision.

This session was a turning point in India's freedom movement, setting the stage for civil disobedience and a more assertive push for full independence.

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31/08/2025, 19:21 Q. 38 Consider the following statements about the 76th Republic Day 2025 of India: 1. The theme for the tableaux was "Swarnim Bharat - Virasat aur Vikas." 2. The chief guest was the President of Indonesia, Prabowo Subianto. 3. First-ever combined display by the Army, Navy, and Air Force under the theme "Shashakt aur Surakshit Bharat" (Strong and Secure India) Which of the above statements is/are correct? a) 1 and 2 only b) 2 and 3 only c) 1 and 3 only d) 1, 2 and 3 💚

Correct answer: 1, 2 and 3

All three statements about the 76th Republic Day of India (2025) are accurate:

- 1. Theme for the tableaux "Swarnim Bharat: Virasat aur Vikas"
 - ✓ Confirmed as the official theme, highlighting India's cultural heritage and developmental strides.

Explanation: 2. Chief Guest - President of Indonesia, Prabowo Subianto

- ✓ He attended the celebrations as the Chief Guest, marking his first visit to India since assuming office in October 2024.
- 3. First-ever combined display by Army, Navy, and Air Force "Shashakt aur Surakshit Bharat" ✓ A Tri-services tableau was showcased for the first time, symbolizing jointness and integration among the armed forces under the theme "Shashakt aur Surakshit Bharat".

Q. 39 Consider the following statements about the Partition of India in 1947:

- 1. The Indian National Congress accepted the Mountbatten Plan for partition.
- 2. Khan Abdul Ghaffar Khan was a strong supporter of Partition.
- 3. The Partition led to mass migration and communal violence.

Which of the above statements is/are correct?

a) 1 and 2 only

b) 2 and 3 only

c) 1 and 3 only

d) 1, 2 and 3

Correct answer: 1 and 3 only

Here's a detailed breakdown of each statement:

1. The Indian National Congress accepted the Mountbatten Plan for partition

✓ Correct. The Congress reluctantly accepted the Mountbatten Plan, announced on 3 June 1947, which proposed the partition of British India into India and Pakistan. Though leaders like Gandhi were deeply opposed, the Congress agreed to the plan to ensure a peaceful and swift transfer of power.

2. Khan Abdul Ghaffar Khan was a strong supporter of Partition Explanation:

- XIncorrect. Known as the "Frontier Gandhi," Khan Abdul Ghaffar Khan was a staunch opponent of Partition. He felt betrayed by the Congress's acceptance of the plan and lamented the division of India. His region, the North-West Frontier Province (NWFP), was later merged with Pakistan after a controversial referendum.
- 3. The Partition led to mass migration and communal violence
 - ✓ Correct. The Partition triggered one of the largest mass migrations in history, displacing 12–20 million people. It also unleashed horrific communal violence, with estimated deaths ranging from 200,000 to 2 million.

Q. 40 Regarding Money and Banking:

- 1. The Reserve Bank of India regulates monetary policy in India.
- 2. CRR (Cash Reserve Ratio) is the minimum reserves banks must hold with the RBI.
- 3. Bank Rate is the rate at which commercial banks lend to the public.

Which of the above statements is/are correct?

a) 1 and 2 only

b) 2 and 3 only

c) 1 and 3 only

d) 1, 2 and 3

Correct answer: 1 and 2 only

Let's break it down:

- 1. The Reserve Bank of India regulates monetary policy in India
 - ✓ Correct. The RBI is India's central bank and is responsible for formulating and implementing monetary policy to maintain price stability and ensure economic growth.

Explanation: 2. CRR (Cash Reserve Ratio) is the minimum reserves banks must hold with the RBI

- ✓ Correct. CRR is the percentage of a bank's total deposits that must be maintained as liquid cash with the RBI. This tool helps the RBI control liquidity in the banking system.
- 3. Bank Rate is the rate at which commercial banks lend to the public
 - X Incorrect. The Bank Rate is the rate at which the RBI lends to commercial banks, not the rate at which banks lend to the public. It's a tool used to influence long-term interest rates and credit availability.

Q. 41 With respect to the history of BIMSTEC:

- 1. The organization was initially known as BIST-EC, formed by four nations.
- 2. The addition of Myanmar changed its name to BIMST-EC.
- 3. Nepal and Bhutan joined BIMSTEC in 2004, leading to its present designation.

Which of the above statements is/are correct?

a) 1 and 2 only

b) 2 and 3 only

c) 1, 2 and 3

d) 1 and 3 only

Correct answer: 1, 2 and 3

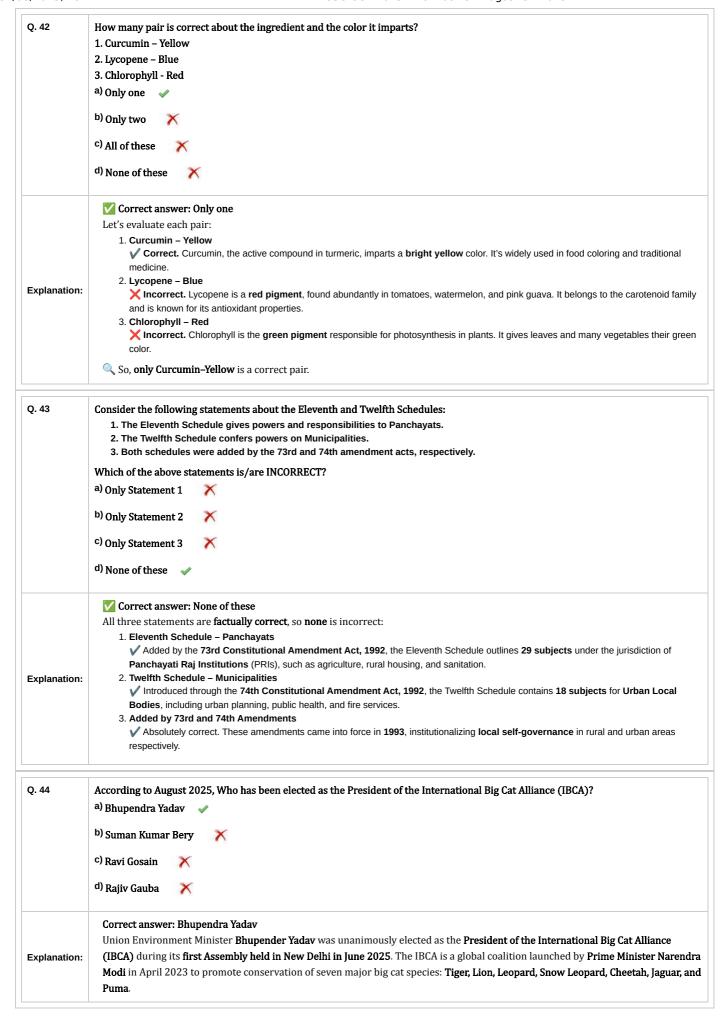
All three statements about the history of **BIMSTEC** are factually accurate:

- 1. Initially known as BIST-EC, formed by four nations
- ✓ Correct. The organization was established on 6 June 1997 as BIST-EC (Bangladesh, India, Sri Lanka, and Thailand Economic Cooperation) through the Bangkok Declaration.

Explanation: 2. Addition of Myanmar changed its name to BIMST-EC

- ✓ Correct. Myanmar joined the grouping on 22 December 1997, prompting a name change to BIMST-EC (Bangladesh, India, Myanmar, Sri Lanka, Thailand Economic Cooperation).
- $\ensuremath{\mathtt{3}}.$ Nepal and Bhutan joined in 2004, leading to its present designation
- ✓ Correct. Nepal and Bhutan became full members during the 6th Ministerial Meeting in July 2004, and the group was renamed BIMSTEC Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation during the First Summit on 31 July 2004.

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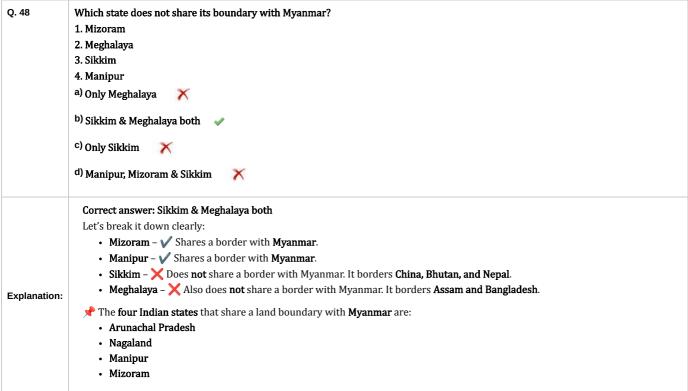


Q. 45 Consider the following statements about the advent of Europeans during the medieval period: 1. The Portuguese were the first Europeans to establish direct sea trade links with India in the late 15th century. 2. Vasco da Gama reached the Indian coast by sailing around the Cape of Good Hope in 1498. 3. The fall of Constantinople in 1453 was one factor that encouraged Europeans to find new trade routes. Which of the above statements is/are correct? a) 2 and 3 only b) 1 and 3 only c) 1, 2, and 3 d) 1 and 2 only Correct answer: 1, 2, and 3 All three statements are historically accurate regarding the advent of Europeans in India during the medieval period: 1. Portuguese were the first Europeans to establish direct sea trade links with India in the late 15th century ✓ Correct. The Portuguese pioneered maritime exploration and were the first Europeans to reach India by sea, initiating direct trade links and colonial ambitions. 2. Vasco da Gama reached the Indian coast by sailing around the Cape of Good Hope in 1498 **Explanation:** √ Correct. He arrived at Calicut (Kozhikode) on the Malabar Coast in May 1498, completing a historic voyage that opened the sea route from Europe to India. 3. The fall of Constantinople in 1453 was one factor that encouraged Europeans to find new trade routes ✓ Correct. After the Ottoman Turks captured Constantinople, traditional land routes to Asia were disrupted. This pushed European powers to seek alternative sea routes to access the lucrative spice trade. Q. 46 Which of the following statements about the retreating (Northeast) monsoon is incorrect? a) The Northeast monsoon primarily affects Tamil Nadu and parts of Andhra Pradesh. b) The retreating monsoon brings most of the rainfall to western coastal India. c) The retreating monsoon occurs from October to December. d) The retreating monsoon is caused by winds flowing from land to sea due to a high-pressure area over the land. Correct answer: The retreating monsoon brings most of the rainfall to western coastal India. This statement is incorrect. Here's why: V The Northeast monsoon primarily affects Tamil Nadu and parts of Andhra Pradesh True. This monsoon is crucial for southeastern India, especially Tamil Nadu, which receives over 50% of its annual rainfall during this season. X The retreating monsoon brings most of the rainfall to western coastal India False. The western coast (like Kerala, Goa, and coastal Karnataka) receives most of its rainfall during the Southwest monsoon Explanation: (June-September). The retreating monsoon (October-December) mainly affects the eastern coast, especially Tamil Nadu and coastal Andhra Pradesh. V The retreating monsoon occurs from October to December Correct. It marks the transition from the rainy season to winter, typically spanning October to December. V The retreating monsoon is caused by winds flowing from land to sea due to a high-pressure area over the land

Correct. As the Southwest monsoon withdraws, high-pressure systems form over the land, causing dry, cool winds to blow

from land to sea, which pick up moisture over the Bay of Bengal and bring rain to the eastern coast.

31/08/2025, 19:21 RBE-SSC-CGL-2025-Live-Mock-31-August-31-2025 Q. 47 Consider the following about the pupil and iris of the human eye: 1. The iris controls the size of the pupil to regulate the amount of light entering the eye. 2. The pupil dilates in bright light and contracts in dim light. 3. The iris functions similarly to the aperture of a camera. Which of the above statements is/are correct? a) 1 and 3 only b) Only 1 c) 2 & 3 only d) All of these Correct answer: 1 and 3 only Let's analyze each statement carefully: 1. The iris controls the size of the pupil to regulate the amount of light entering the eye ✓ Correct. The iris is the colored muscular structure surrounding the pupil, and it adjusts the pupil's size to control how much light reaches the retina. This is a key part of the eye's light regulation system. 2. The pupil dilates in bright light and contracts in dim light X Incorrect. It's actually the opposite: Explanation: • In bright light, the pupil contracts to reduce light entry. • In dim light, the pupil dilates to allow more light in. This automatic adjustment is known as the pupillary light reflex. 3. The iris functions similarly to the aperture of a camera ✓ Correct. Just like a camera's aperture adjusts to control light exposure, the iris modulates the pupil's diameter to regulate light intake. This analogy is widely used in biology and optics. Q. 48 Which state does not share its boundary with Myanmar? 1. Mizoram 2. Meghalaya 3. Sikkim 4. Manipur ^{a)} Only Meghalaya b) Sikkim & Meghalaya both 🧳 c) Only Sikkim



Explanation:

Q. 49 With respect to essential nutrients, consider the following:

- 1. Vitamin C is important for collagen synthesis and immunity.
- 2. Iron is essential for haemoglobin formation in animals.
- 3. Calcium is important only for animals and has no role in plants.

Which of the above statements is/are correct?

^{a)} 1 and 2 only

b) 2 and 3 only

c) 1 and 3 only

d) 1, 2 and 3

Correct answer: 1 and 2 only

Let's evaluate each statement carefully:

- 1. Vitamin C is important for collagen synthesis and immunity
 - ✓ Correct. Vitamin C (ascorbic acid) plays a vital role in the hydroxylation of proline and lysine, which is essential for collagen formation. It also boosts immune function and helps in iron absorption.
- 2. Iron is essential for haemoglobin formation in animals
 - ✓ Correct. Iron is a key component of haemoglobin, the protein in red blood cells that carries oxygen. Iron deficiency leads to anemia and fatigue.
 - 3. Calcium is important only for animals and has no role in plants
 - X Incorrect. Calcium is crucial for both animals and plants.
 - In animals, it supports bone and teeth formation, muscle contraction, and nerve signaling.
 - In plants, calcium is vital for cell wall structure, membrane stability, and enzyme activity. Deficiency can lead to disorders like blossom end rot in tomatoes.

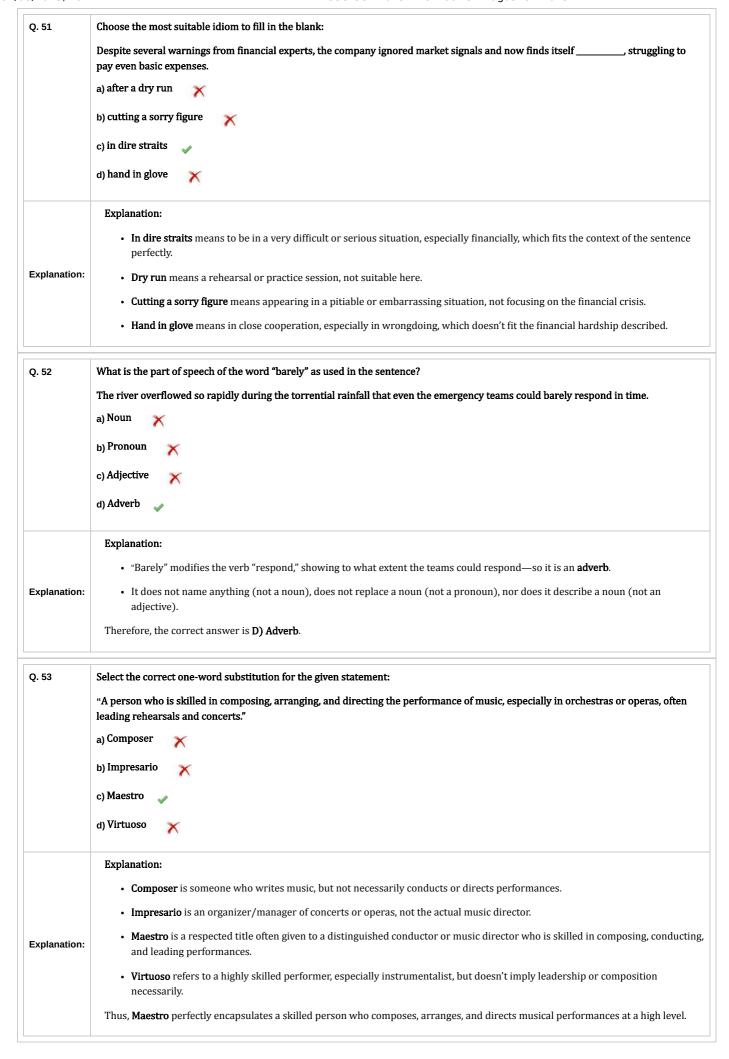
Q. 50 Which of the following reflects the 'what to produce' decision in economics?

- a) Increasing taxes to raise government revenue
- b) Choosing between capital and consumer goods
- c) Choosing method of production
- d) Deciding on distribution of output

✓ Correct answer: Choosing between capital and consumer goods

Let's break it down:

- 'What to produce' is one of the central problems of an economy, referring to the decision about which goods and services should be produced with limited resources.
- V Choosing between capital and consumer goods directly reflects this decision.
 - Capital goods (e.g., machinery, tools) help in future production.
 - Consumer goods (e.g., food, clothing) satisfy immediate needs.
 - The choice between them determines the **economic priorities**—whether to focus on long-term growth or present consumption.
- X Increasing taxes to raise government revenue relates to fiscal policy, not production decisions.
- X Choosing method of production reflects the 'how to produce' decision—whether to use labor-intensive or capital-intensive techniques.
- X Deciding on distribution of output relates to the 'for whom to produce' decision—who gets the goods and services.



Q. 54	Choose the pair of words that correctly fill in the blanks with the appropriate homonyms:
	At the royal ceremony, the princess gave a graceful to show respect, while the host welcomed everyone with great and warmth.
	a) curtsy, courtesy
	b) courtesy, curtsy
	c) curtsy, curtsy
	d) courtesy, courtesy
	Explanation:
	Curtsy is a traditional gesture of respect made by bending the knees and lowering the body slightly, usually by women.
Explanation:	Courtesy means polite behaviour or gestures shown to others.
	The sentence's context about a royal ceremony correctly matches these meanings.
Q. 55	Read the following sentence carefully and identify the type of the underlined clause:
	"The scientists observed the rare bird, which had been migrating for thousands of miles, before it finally settled in the new habitat."
	a) Adjective (Relative) Clause
	b) Adverbial Clause
	c) Noun Clause
	d) Independent Clause
	Explanation:
	 The underlined clause "which had been migrating for thousands of miles" describes the noun "bird," providing additional information about it.
	Such a clause that modifies a noun is an adjective (relative) clause.
Explanation:	• (B) Adverbial clauses modify verbs, adjectives, or other adverbs and often express time, reason, condition, or place, which this clause does not.
	(C) A noun clause acts as a subject or object, not a modifier here.
. 1	

31/08/2025, 19:21 RBE-SSC-CGL-2025-Live-Mock-31-August-31-2025 Q. 56 Match the words in Column A with their correct meanings from Column B: 1. Heretic A. A temporary agreement to stop fighting 2. Truce B. A person who holds controversial or unorthodox opinions 3. Epigraph C. An inscription on a building or statue 4. Pant D. To breathe quickly or heavily a) 1-B, 2-A, 3-C, 4-D b) 1-D, 2-C, 3-A, 4-B c) 1-A, 2-B, 3-D, 4-C d) 1-C, 2-D, 3-B, 4-A Explanation: 1. Heretic (1-B) A heretic is a person who holds beliefs or opinions that are contrary to the established or orthodox doctrines, especially in religion. Such a person challenges traditional or accepted views, hence the meaning "a person who holds controversial or unorthodox opinions." 2. Truce (2-A) A truce is a temporary agreement between two opposing parties to stop fighting or hostilities. It is usually agreed upon to **Explanation:** allow negotiations or humanitarian aid before any further conflict. 3. Epigraph (3-C) An epigraph is an inscription, often found on buildings, monuments, statues, or at the beginning of books or chapters. It usually contains a motto, quotation, or short piece of text related to the subject.

4. Pant (4-D)

To pant means to breathe quickly and heavily, typically after exertion or in response to heat or excitement. It describes a rapid, short-breathed form of breathing.

Q. 57 Read the following sentence and convert it into indirect speech:

The professor said to the students, "You were preparing for the competitive examinations diligently for several months before the syllabus had changed."

The professor told the students that they had prepared diligently for the competitive examinations for several months a) before the syllabus had changed.



- The professor told the students that they had been preparing diligently for the competitive examinations for several months b) before the syllabus had changed.
- The professor told the students that they were preparing diligently for the competitive examinations for several months c) before the syllabus had changed.
- The professor told the students that they will be preparing diligently for the competitive examinations for several months d) before the syllabus was changed.

X

Explanation:

Explanation:

- In indirect speech, the past continuous ("were preparing") changes to past perfect continuous ("had been preparing") if the reporting verb is in the past.
- (A) uses simple past perfect, not perfect continuous.
- (C) does not transform tense; stays as past continuous, which is incorrect here.
- (D) incorrectly uses "will be preparing," which is future continuous.

Therefore, option B correctly uses the past perfect continuous in indirect speech.

Q. 58	Identify the part of the sentence which contains a grammatical error:
	By the time the rescue team arrived, the flood had submerged many villages, and the authorities declared an emergency soon after.
	a) By the time the rescue team arrived
	b) the flood had submerged many villages
	c) and the authorities declared an emergency soon after
	d) No error
	Explanation:
Explanation:	• The past perfect tense "had submerged" is correctly used for the event that happened earlier (flood submerging villages), before the rescue team's arrival (simple past "arrived").
	The authorities' declaration of emergency after that is correctly in simple past "declared."
	The sentence's sequence and tense usage are accurate, so there is no error.
Q. 59	Change the following sentence from passive to active voice without changing its meaning:
	The independence of Eritrea was officially recognized by the United Nations in 1993 after a prolonged struggle for sovereignty.
	a) The United Nations officially recognized the independence of Eritrea in 1993 after a prolonged struggle for sovereignty.
	b) The United Nations was officially recognizing the independence of Eritrea in 1993 after a prolonged struggle.
	c) Eritrea officially recognized its independence by the United Nations in 1993 after a prolonged struggle.
	d) The United Nations is officially recognizing the independence of Eritrea in 1993 after a prolonged struggle for sovereignty.
	Explanation:
	The original sentence is passive with "was officially recognized."
	Converting to active voice makes "The United Nations" the subject performing the action "recognized."
Explanation:	(B) uses past continuous which is inaccurate for the historical event.
	(C) wrongly suggests Eritrea recognized its independence by the UN, which is incorrect logically.
	(D) uses present continuous tense incompatible with the past date.

Q. 60 Rearrange the following sentences in the correct order to form a coherent paragraph, placing them between the opening and closing statements:

Opening Statement (fixed):

The recent bill passed in parliament has sparked widespread discussions about its impact on the economy and society.

- P. The bill aims to promote sustainable development by encouraging investment in renewable energy sources.
- Q. However, critics argue that certain provisions may adversely affect small businesses and employment rates.
- R. Proponents emphasize the long-term benefits of reducing carbon emissions and fostering green technology innovations.
- S. To address concerns, the government has promised to provide support and incentives to vulnerable sectors during the transition period.

Closing Statement (fixed):

The bill's success will depend on effective implementation and ongoing dialogue between all stakeholders.

- b) PRQS
- c) PSRQ
- d) QPSR

Correct Order:

- P. The bill aims to promote sustainable development by encouraging investment in renewable energy sources.
- R. Proponents emphasize the long-term benefits of reducing carbon emissions and fostering green technology innovations.
- Q. However, critics argue that certain provisions may adversely affect small businesses and employment rates.
- S. To address concerns, the government has promised to provide support and incentives to vulnerable sectors during the transition

Explanation:

- 1. P introduces what the bill aims to achieve (main purpose).
- ${\it 2.}\ R\ adds\ support\ from\ proponents, stressing\ long-term\ benefits.$
- 3. Q presents the contrasting viewpoint of critics.
- 4. S shows how the government responds to concerns raised.

Sequence them logically

$$P \rightarrow R \rightarrow Q \rightarrow S$$

Q. 61 Identify the part of the sentence that contains an error related to the use of conjunctions:

Although the Valley of Flowers trek is strenuous, but it attracts many nature lovers / who wish to explore the vibrant flora / and enjoy the serene beauty of the Himalayan region.

- a) Although the Valley of Flowers trek is strenuous, but it attracts many nature lovers

- b) who wish to explore the vibrant flora
- c) and enjoy the serene beauty of the Himalayan region

d) No error



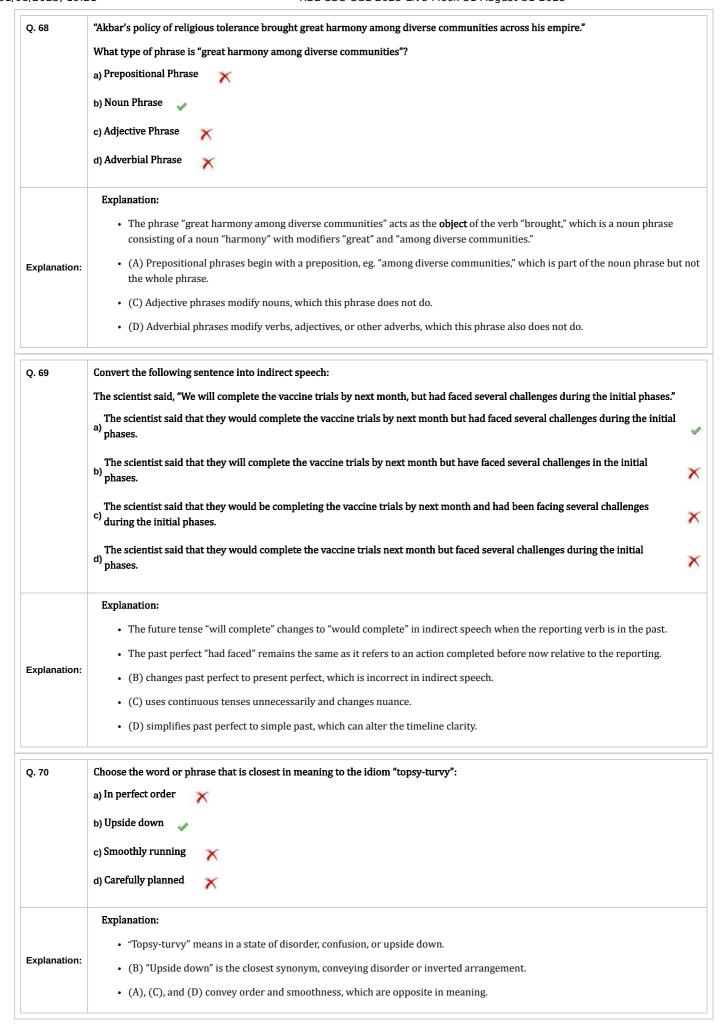
Explanation:

· The conjunction "although" introduces a contrast and already implies "but," so using "but" again here is redundant and

- · Correct sentence should be:
- "Although the Valley of Flowers trek is strenuous, it attracts many nature lovers..."
- The rest of the sentence is grammatically correct.

Q. 62	Choose the word that most closely matches the meaning of "barren":
	a) Sterile
	b) Munificent
	c) Flagrant
	d) Noisome
	Explanation:
	Sterile means unable to produce offspring or vegetation; infertile, which closely matches "barren."
Explanation:	Munificent means very generous or giving.
	Flagrant means shockingly noticeable or obvious (usually bad behavior).
	Noisome means offensive or disgusting (usually smell).
Q. 63	Identify the part of the sentence where the punctuation error occurs:
	The breathtaking views of Ladakh's rugged mountains, serene lakes and expansive valleys, make it a paradise for adventure seekers.
	a) The breathtaking views of Ladakh's
	b) it a paradise for adventure seekers.
	c) rugged mountains, serene lakes and expansive valleys, make
	D. No. amount
	d) No error
	Explanation:
	The comma before "make it a paradise" is incorrect. It wrongly separates the subject from the verb.
Explanation:	Correct sentence: The breathtaking views of Ladakh's rugged mountains, serene lakes and expansive valleys make it a
	paradise for adventure seekers.
Q. 64	Convert the following sentence into a positive sentence without changing its meaning:
	There is no rose without a thorn.
	a) Every rose has a thorn.
	b) No rose has a thorn.
	c) A rose rarely has a thorn.
	d) Some roses do not have thorns.
	Explanation:
Explanation:	• The original negative sentence implies that thorns are inseparable from roses, which is positively expressed as "Every rose has a thorn."
	Options B, C, and D contradict or weaken the meaning.

Q. 65 Change the following sentence from active to passive voice without changing its meaning: Researchers extensively studied the benefits of meditation on mental health, and the experts published their findings after conducting widespread clinical trials. The benefits of meditation on mental health were extensively studied by researchers, and the findings were published by the a) experts after widespread clinical trials were conducted. The benefits of meditation on mental health have been extensively studied by researchers, and the experts published their b) findings after conducting widespread clinical trials. The benefits of meditation on mental health were extensively studied by researchers, and the findings have been published c) by experts after conducting widespread clinical trials. The benefits of meditation on mental health had been extensively studied by researchers, and the findings had been d) published by experts after conducting widespread clinical trials. The sentence was changed to passive voice by making the objects of the active verbs ("benefits of meditation" and "findings") the subjects of the passive verbs ("were studied" and "were published"). This keeps the meaning intact while shifting focus from the **Explanation:** doers to the actions themselves. Q. 66 Which of the following sentences is a complex sentence? a) Jaishankar visited Russia to strengthen diplomatic ties. b) Jaishankar met with Russian officials, and he discussed several bilateral agreements. c) Although the visit was brief, Jaishankar emphasized the importance of strategic cooperation. d) Jaishankar traveled to Russia, and while he attended the summit, he also held private meetings with key policymakers. **Explanation:** · A complex sentence contains one independent clause and at least one dependent (subordinate) clause. The dependent clause cannot stand alone and usually begins with subordinating conjunctions like although, because, since, while, etc. · In the sentence: "Although the visit was brief, Jaishankar emphasized the importance of strategic cooperation." • The phrase "Although the visit was brief" is a dependent (subordinate) clause—it provides a condition or contrast and cannot stand alone as a sentence. • The phrase "Jaishankar emphasized the importance of strategic cooperation" is the independent clause and can stand **Explanation:** alone as a sentence. Other sentences in the set: • (A) Simple sentence: Contains a single independent clause. • (B) Compound sentence: Contains two independent clauses joined by a conjunction ("and"). • (D) Compound-complex sentence: Contains two independent clauses plus at least one dependent clause. Thus, sentence (C) is the complex sentence because it has one independent clause and one dependent clause. Q. 67 Identify the sentence that contains a misspelled word: a) The diplomatic talks were succesful and paved the way for enhanced cooperation. b) Jaishankar emphasized the need for strategic partnerships in various sectors. c) During his visit to Moscow, Jaishankar discussed important bilateral agreements with Russian officials. d) The meeting concluded with a joint statement highlighting mutual interests. X Explanation: • The correct spelling is "successful" with two "s" after the "c." Explanation: · All other sentences have correctly spelled words.



Q. 71 Read the passage Carefully and answer the following questions:

The recent bill passed in parliament aims to address the growing concerns surrounding fantasy sports and gaming apps, many of which have been accused of encouraging gambling-like behaviour among users. Recognizing the potential negative impact of these apps on young people and vulnerable sections of society, the government has taken a decisive step to regulate and, in some cases, ban certain fantasy apps that do not comply with stringent guidelines.

The bill outlines a comprehensive framework for the classification, monitoring, and control of fantasy gaming platforms, emphasizing the distinction between skill-based games and games of chance. It mandates that all operators must obtain proper licenses, adhere to fair play policies, and implement robust age verification processes to protect minors. Those apps found promoting addictive behaviours or failing to meet transparency standards face penalties, including permanent bans.

Parliamentarians highlighted the need to protect consumers from financial losses and exploitation while ensuring that legitimate skill-based gaming continues to grow within a regulated environment. The bill also proposes collaboration between central and state governments to enforce the rules effectively.

Experts believe that, if implemented well, the legislation will curb the misuse of fantasy apps and foster a safer digital gaming ecosystem. However, the success of this bill depends heavily on strict enforcement, awareness campaigns, and cooperation from stakeholders including tech companies, regulators, and users alike.

What are the key measures introduced by the recent bill passed in parliament to regulate and ban certain fantasy sports apps?

- a) Licensing requirements and strict age verification to protect minors
- b) Promotion of gambling activities to increase revenue
 - o o
- d) Encouragement of unregulated gaming among minors

c) Complete ban on all digital gaming platforms



Explanation:

• The bill requires fantasy app operators to obtain licenses and follow strict age verification to safeguard minors.

- It targets apps that promote gambling-like behaviour and imposes penalties or bans on non-compliant platforms.
- · Legitimate skill-based gaming is regulated, not completely banned.

Q. 72

Read the passage Carefully and answer the following questions:

The recent bill passed in parliament aims to address the growing concerns surrounding fantasy sports and gaming apps, many of which have been accused of encouraging gambling-like behaviour among users. Recognizing the potential negative impact of these apps on young people and vulnerable sections of society, the government has taken a decisive step to regulate and, in some cases, ban certain fantasy apps that do not comply with stringent guidelines.

The bill outlines a comprehensive framework for the classification, monitoring, and control of fantasy gaming platforms, emphasizing the distinction between skill-based games and games of chance. It mandates that all operators must obtain proper licenses, adhere to fair play policies, and implement robust age verification processes to protect minors. Those apps found promoting addictive behaviours or failing to meet transparency standards face penalties, including permanent bans.

Parliamentarians highlighted the need to protect consumers from financial losses and exploitation while ensuring that legitimate skill-based gaming continues to grow within a regulated environment. The bill also proposes collaboration between central and state governments to enforce the rules effectively.

Experts believe that, if implemented well, the legislation will curb the misuse of fantasy apps and foster a safer digital gaming ecosystem. However, the success of this bill depends heavily on strict enforcement, awareness campaigns, and cooperation from stakeholders including tech companies, regulators, and users alike.

Which figure of speech is used in the above passage?

The recent bill passed in parliament storms the fortress of unregulated fantasy apps, cutting through the haze of addiction and protecting the vulnerable with the shield of strict guidelines.

- a) Simile
 - X
- b) Personification
- c) Hyperbole



d) Metaphor

Explanation:

- The passage uses metaphors like "storms the fortress," "cutting through the haze," and "shield of strict guidelines" to represent the bill's impact.
- These phrases imply comparison without using "like" or "as," which rules out simile.
- There is no direct personification (giving human qualities to non-human things) or exaggeration typical of hyperbole here.

Q. 73 Read the passage Carefully and answer the following questions:

The recent bill passed in parliament aims to address the growing concerns surrounding fantasy sports and gaming apps, many of which have been accused of encouraging gambling-like behaviour among users. Recognizing the potential negative impact of these apps on young people and vulnerable sections of society, the government has taken a decisive step to regulate and, in some cases, ban certain fantasy apps that do not comply with stringent guidelines.

The bill outlines a comprehensive framework for the classification, monitoring, and control of fantasy gaming platforms, emphasizing the distinction between skill-based games and games of chance. It mandates that all operators must obtain proper licenses, adhere to fair play policies, and implement robust age verification processes to protect minors. Those apps found promoting addictive behaviours or failing to meet transparency standards face penalties, including permanent bans.

Parliamentarians highlighted the need to protect consumers from financial losses and exploitation while ensuring that legitimate skill-based gaming continues to grow within a regulated environment. The bill also proposes collaboration between central and state governments to enforce the rules effectively.

Experts believe that, if implemented well, the legislation will curb the misuse of fantasy apps and foster a safer digital gaming ecosystem. However, the success of this bill depends heavily on strict enforcement, awareness campaigns, and cooperation from stakeholders including tech companies, regulators, and users alike.

What would be the most appropriate title for the passage?

- a) "Government's New Bill to Regulate and Ban Certain Fantasy Apps"
- b) "The Rise of Fantasy Sports in India"
- c) "Benefits of Online Gaming Platforms"
- X
- d) "How to Play Fantasy Sports Safely"

X

Explanation:

· The passage focuses on a recent bill passed in parliament aimed at regulating and banning certain fantasy sports apps.

Explanation:

• It discusses the government's efforts to control harmful gaming practices and protect users, especially minors.

• Option A clearly reflects the main theme and purpose of the passage.

• Options B, C, and D do not capture the regulatory and legislative focus of the passage.

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Q. 74

Read the passage Carefully and answer the following questions:

The recent bill passed in parliament aims to address the growing concerns surrounding fantasy sports and gaming apps, many of which have been accused of encouraging gambling-like behaviour among users. Recognizing the potential negative impact of these apps on young people and vulnerable sections of society, the government has taken a decisive step to regulate and, in some cases, ban certain fantasy apps that do not comply with stringent guidelines.

The bill outlines a comprehensive framework for the classification, monitoring, and control of fantasy gaming platforms, emphasizing the distinction between skill-based games and games of chance. It mandates that all operators must obtain proper licenses, adhere to fair play policies, and implement robust age verification processes to protect minors. Those apps found promoting addictive behaviours or failing to meet transparency standards face penalties, including permanent bans.

Parliamentarians highlighted the need to protect consumers from financial losses and exploitation while ensuring that legitimate skill-based gaming continues to grow within a regulated environment. The bill also proposes collaboration between central and state governments to enforce the rules effectively.

Experts believe that, if implemented well, the legislation will curb the misuse of fantasy apps and foster a safer digital gaming ecosystem. However, the success of this bill depends heavily on strict enforcement, awareness campaigns, and cooperation from stakeholders including tech companies, regulators, and users alike.

Choose the word that is closest in meaning to "stringent" as used in the passage:

a) Lenient

b) Strict

c) Flexible

d) Casual

Explanation:

• The word "stringent" means very strict or severe, especially in rules or requirements.

- · In the passage, "stringent guidelines" refers to tough regulations imposed on fantasy sports apps.
- Among the options, "strict" is the closest synonym.
- Other options like "lenient," "flexible," and "casual" mean less strict or relaxed, which is opposite to "stringent."

Q. 75 Read the passage Carefully and answer the following questions:

The recent bill passed in parliament aims to address the growing concerns surrounding fantasy sports and gaming apps, many of which have been accused of encouraging gambling-like behaviour among users. Recognizing the potential negative impact of these apps on young people and vulnerable sections of society, the government has taken a decisive step to regulate and, in some cases, ban certain fantasy apps that do not comply with stringent guidelines.

The bill outlines a comprehensive framework for the classification, monitoring, and control of fantasy gaming platforms, emphasizing the distinction between skill-based games and games of chance. It mandates that all operators must obtain proper licenses, adhere to fair play policies, and implement robust age verification processes to protect minors. Those apps found promoting addictive behaviours or failing to meet transparency standards face penalties, including permanent bans.

Parliamentarians highlighted the need to protect consumers from financial losses and exploitation while ensuring that legitimate skill-based gaming continues to grow within a regulated environment. The bill also proposes collaboration between central and state governments to enforce the rules effectively.

Experts believe that, if implemented well, the legislation will curb the misuse of fantasy apps and foster a safer digital gaming ecosystem. However, the success of this bill depends heavily on strict enforcement, awareness campaigns, and cooperation from stakeholders including tech companies, regulators, and users alike.

Which of the following are objectives of the recent bill passed in parliament regarding fantasy sports apps?

- 1. To ensure all operators obtain proper licenses.
- 2. To ban all digital gaming platforms entirely.
- 3. To protect minors through strict age verification.
- 4. To promote gambling activities under regulation.
- a) 1 and 3 only
- b) 2 and 4 only
- c) 3 only
- d) 1, 2, and 3 only

Explanation:

- The bill's objectives include ensuring all fantasy sports app operators obtain proper licenses (point 1).
- It also emphasizes protecting minors through strict age verification processes (point 3).
- The bill does not aim to ban all digital gaming platforms entirely (point 2 is incorrect).
 - It does not promote gambling activities; instead, it seeks to prevent gambling-like behaviour (point 4 is incorrect).

Therefore, only points 1 and 3 accurately reflect the bill's objectives.

Q. 76

A player holds 21 cards of four suits, of which twelve are red and nine are black. The number of diamonds is thrice the number of spades, and the number of hearts is one third to the number of diamonds. How many clubs does he hold?

- a) 5
- b) 3
- 73
- c) 6 🧳
- d) 4

Total cards = 21

Red cards = 12 → Diamonds + Hearts

Black cards = $9 \rightarrow \text{Clubs} + \text{Spades}$

Let:

- Spades = S

 Explanation:
 - Diamonds = D = 3S
 - Hearts = H = D / 3 = S
 - So, red cards = D + H = 3S + S = 4S \Rightarrow 4S = 12 \Rightarrow S = 3 Then D = 9, H = 3

Now black cards = Clubs + Spades = $C + S = C + 3 = 9 \Rightarrow C = 6$

Answer: 6 clubs

Q. 77	T can finish a work in 16 days. T works alone for 4 days, then U joins T. The remaining work is completed in 6 more days. In how man days can U alone finish the whole work? a) 16 days
	b) 130/7 days X
	c) 12 days X
	d) 120/7 days X
	Assume total work = LCM of 16 = 16 units
	So, T's 1-day work = $16 \div 16 = 1$ unit/day
	T works alone for 4 days
	\Rightarrow Work done = $4 \times 1 = 4$ units
	Remaining work = $16 - 4 = 12$ units
Explanation:	T and U together finish 12 units in 6 days
	$\Rightarrow \text{Combined 1-day work} = 12 \div 6 = 2 \text{ units/day}$
	T's 1-day work = 1 unit
	So, U's 1-day work = $2 - 1 = 1$ unit/day
	Total work = 16 units, U's rate = 1 unit/day
	⇒ U alone can finish in 16 days
	Answer: 16 days
Q. 78	Following are the ages (in years) of 5 people in a group: 15, 18, 25, 32, 40
	What is the standard deviation of their ages (rounded to two decimal places)?
	a) 9.14 🗳
	b) 8.23
	c) 10.23 ×
	d) 7.64 ×
	Find the mean:
	(15+18+25+32+40)/5
	=>130 / $5=26Find squared deviations from mean$
	$(15-26)^2 = 121$
	$(18 - 26)^2 = 64$
Explanation:	$(25 - 26)^2 = 1$
-Apianation.	$(32 - 26)^2 = 36$
	$(40 - 26)^2 = 196$ Find variance
	Find variance (121 + 64 + 1 + 36 + 196) / 5
	(121 + 04 + 1 + 30 + 190)/3 => 418/5 = 83.6
	Standard deviation $\sqrt{83.6} \approx 9.14$
	Answer: 9.14

Q. 79

A sold a mobile phone to B at a gain of 35% and B sold it to C at a loss of 20%. If C paid Rs. 6804 for it, how much did A pay (in Rs) for the phone?

a) 6,600

b) 4,800

c) 6,300

d) 7,200

A sells to B at a gain of 35%

⇒ B's cost price = 1.35x

B sells to C at a loss of 20%

⇒ C's purchase price = 80% of B's cost price = 0.8 × 1.35x = 1.08x

C paid ₹6804

So, 1.08x = 6804

⇒ x = 6804 ÷ 1.08 = ₹6300

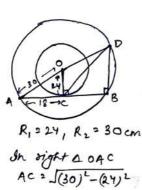
Q. 80 The radii of two concentric circles, with centre O, are 24 cm and 30 cm. Chord AB of the larger circle is tangent to the smaller circle at point C and AD is the diameter of the larger circle. What is the length of CD?

a) 54.8

b) 51.3 🗸

c) 56.2

d) 48.6



Answer: A paid ₹6300 for the phone

Sh sight
$$\triangle$$
 0AC
AC $= \sqrt{(30)^2 - (84)^2}$
AC $= 18$ cm
 \triangle 40 $= 0$

```
Q. 81
                A sum of ₹48,754 is divided among P, Q and R such that P receives 25% less than Q and Q receives 60% more than R. The difference
                between P's share and Q's share is:
                a) ₹5016
                b) ₹5264
                c) ₹5132
                d) ₹5464
                  Let R = ₹x
                  \Rightarrow Q = 1.6x
                  \Rightarrow P = 0.75 \times 1.6x = 1.2x
Explanation:
                  Total = P + Q + R = 1.2x + 1.6x + x = 3.8x \Rightarrow 3.8x = ₹48,754 \Rightarrow x = ₹12,830
                  Q = ₹20,528, P = ₹15,396
                  Difference = ₹5,132
Q. 82
                The graphs of the equations 2x - 3y + 1 = 0 and x + y - 5 = 0 intersect at P(a, b).
                Find the value of (a^2 + b^2 - ab) / (a^2 - b^2 + ab).
                a) 179 / 261
                b) 379 / 187
                c) 237 / 453
                d) 163 / 229 🗳
                  Solve the system to find (a, b)
                  From equation 2:
                  x + y = 5 \Rightarrow y = 5 - x
                  Substitute into equation 1:
                  2x - 3(5 - x) + 1 = 0
                  \Rightarrow 2x - 15 + 3x + 1 = 0
                  \Rightarrow 5x - 14 = 0 \Rightarrow x = 14/5
                 Then y = 5 - 14/5 = 11/5
                  So, a = 14/5, b = 11/5
Explanation:
                  Step 2: Compute the expression
                  Let's plug into:
                  (a^2 + b^2 - ab) / (a^2 - b^2 + ab)
                  (14^2 + 11^2 - 14 \times 11) / 25 = (196 + 121 - 154) / 25 = 163 / 25
                  Denominator: (196 - 121 + 154) / 25 = 229 / 25
                  Final value: (163 / 25) \div (229 / 25) = 163 / 229
                  Answer: 163 / 229
Q. 83
                The ratio of the investments of A and B in a business is 9:5, and the ratio of their profits at the end of a year is 3:4. If A invested the
                money for 10 months then for how much time (in months) has B invested his money?
                a) 12
                b) 21
                c) 24
                d) 18
                  (Profit ∝ capital × time)
                  \Rightarrow 90 / 5x = 3 / 4
                  \Rightarrow (90 × 4) = (3 × 5x)
Explanation:
                  \Rightarrow 360 = 15x
                  \Rightarrow x = 24
```

Q. 84	A certain sum of money becomes 81 times of itself in 4 years compounded annually. The rate of interest per annum is:
	a) 300% ×
	b) 100% ×
	c) 150%
	d) 200% 🕜
	A = P(1+8/00) 1 81p = p(1+8/00) 4
Explanation:	
	3-1 = R/100

Q. 85

If
$$\frac{(\cos^6\theta + \sin^6\theta - 1)(\tan^2\theta + \cot^2\theta + 2) + 2}{(\sec\theta + \tan\theta)(\sec\theta - \tan\theta)^2\cos\theta} = \frac{k}{1-k}$$
, $0^\circ < \theta = ?$
 $< 90^\circ$, then k

b) $\cos\theta$

Cosece

Cosece \neq

$$\frac{(\cos^6\theta + \sin^6\theta - 1)(\tan^2\theta + \cot^2\theta + 2) + 2}{(\sec\theta + \tan\theta)} = \frac{(\cot^6\theta + \sin^6\theta - 1)(\cot^6\theta + \cot^4\theta + 1) + 2}{(\sec\theta + \tan\theta)} = \frac{(1-3\cos^4\theta + \sin^6\theta - 1)(\tan\theta + \cot\theta)^{\frac{1}{2}} + 2}{(\sec\theta + \tan\theta)(\cos\theta)}$$

$$\frac{(1-3\cos^4\theta + \sin^6\theta - 1)(\tan\theta + \cot\theta)^{\frac{1}{2}} + 2}{(\sec\theta + \tan\theta)(\cos\theta)} = \frac{(1-3\cos^4\theta + \sin^4\theta - 1)(\tan\theta + \cot\theta)^{\frac{1}{2}} + 2}{(\sec\theta + \tan\theta)(\cos\theta)}$$

$$\frac{(1-3\cos^4\theta + \sin^6\theta - 1)(\tan^2\theta + \cot\theta)^{\frac{1}{2}} + 2}{(\sec\theta + \tan\theta)(\cos\theta)}$$

$$\frac{(1-3\cos^4\theta + \sin^6\theta - 1)(\tan^2\theta + \cot\theta)^{\frac{1}{2}} + 2}{(\sec\theta + \tan\theta)(\cos\theta)}$$

$$\frac{(1-3\cos^4\theta + \sin^6\theta - 1)(\tan^2\theta + \cot\theta)^{\frac{1}{2}} + 2}{(\sec\theta + \tan\theta)(\cos\theta)}$$

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$$\frac{(1-3\cos^4\theta + \sin^4\theta - 1)(\tan\theta + \cot\theta)^{\frac{1}{2}} + 2}{(\sec\theta + \tan\theta)(\cos\theta)}$$

$$\frac{(1-3\cos^4\theta + \sin^4\theta - 1)(\tan\theta + \cot\theta)^{\frac{1}{2}} + 2}{(\sec\theta + \tan\theta)(\cos\theta)}$$

$$\frac{(1-3\cos^4\theta + \sin^4\theta - 1)(\tan\theta)^{\frac{1}{2}} + 2}{(\sec\theta + \tan\theta)(\cos\theta)}$$

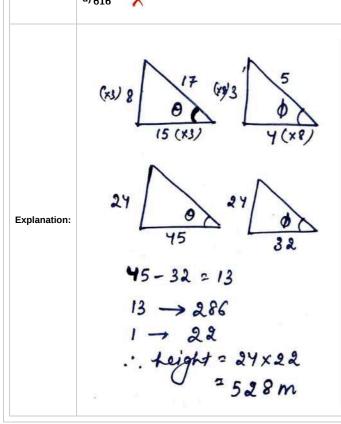
$$\frac{(1-3\cos^4\theta + \sin^4\theta - 1)(\tan\theta)^{\frac{1}{2}} + 2}{(\sec\theta + \tan\theta)^{\frac{1}{2}} + 2}{(\cot\theta + \tan\theta)^{\frac{1}{2}} + 2}{(\cot\theta + \tan\theta)^{\frac{1}{2}} + 2}{(\cot\theta + \tan\theta)^{\frac{1}{2}} + 2}{(\cot\theta + \tan\theta)^{\frac{1}{2}} + 2}{(\cot\theta)^{\frac{1}{2}} + 2}{(\cot\theta)^{\frac{1}{2}} + 2}{(\cot\theta)^{\frac{1}{2}} + 2}{(\cot\theta)^{\frac$$

Q. 86	A vendor decided to sell his goods by setting the selling price of 15 mangoes which is same as the cost price of 18 mangoes. The profit
	percentage on SP is
	a) 40% ×
	b) 20% ×
	c) 16.66% 🕜
	d) 10%
	=> 15×SP = 18×CP
Explanation:	=> SP/CP = 6/5 => Profit% on SP = (1/6)×100 => 16.66%
	$=> \text{F10III}\% \text{ of SP} = (1/6) \times 100 => 16.66\%$
Q. 87	ABC and PQR are two similar triangles whose areas are, respectively, 48 cm^2 and 64 cm^2 . If PQ = 8 cm , then what is the value of AB?
	a) 4√3 cm
	b) 2√14 cm ×
	c) 7 cm ×
	d) 9 cm ×
	Given:
	Area of triangle ABC = 48 cm^2
	Area of triangle PQR = 64 cm^2
	PQ = 8 cm
	Triangles are similar with $\angle C = \angle R$
	Concept:
Explanation:	In similar triangles, $(Area_1 / Area_2) = (Side_1 / Side_2)^2$
	So,
	$(AB / PQ)^2 = 48 / 64$
	$\Rightarrow (AB/8)^2 = 3/4$
	$\Rightarrow AB / 8 = \sqrt{3/4} = \sqrt{3} / 2$
	$\Rightarrow AB = 8 \times (\sqrt{3}/2) = 4\sqrt{3}$
	Answer: 4√3 cm
Q. 88	In a 1000 metres race between Bhawna and Jugnu, Bhawna starts 275 metres ahead of Jugnu, still, Jugnu wins the race by reaching
	the final point of the race when Bhawna is 125 metres behind the final point of the race. What is the ratio of the speeds of Jugnu and
	Bhawna?
	a) 3:4 ×
	b) 4:3 ×
	c) 3:5 ×
	d) 5:3
	d) 5:3 Distance covered by Jugnu: Distance covered by Bhawna = 1000: {1000-(275+125)}
Explanation:	Distance covered by Jugnu: Distance covered by Bhawna = 1000: {1000-(275+125)}

5,2025, 15.2	Not 330 col 2023 Live Flock 31 August 31 2023
Q. 89	The average ages of kishore, his wife and their child 7 years ago was 39 years and that of his wife and their child 10 years ago was 31 years. Find the present age of kishore. a) 50 years
	b) 56 years
	c) 48 years ×
	d) 52 years 🔀
	Let Kishore's present age = K
	From the first condition:
	7 years ago, total age of Kishore, Wife, Child = $39 \times 3 = 117$
	Present age of Kishore, his wife and children
	\Rightarrow K + W + C = 117 + 21 => 138(i)
Evalenation	From the second condition:
Explanation:	10 years ago,
	Wife + Child = $31 \times 2 = 62$
	Present age of wife and the child,
	\Rightarrow W + C = 62 + 20 => 82(ii)
	Subtract (ii) from (i): $K = 138 - 82 = 56$ years
	Therefore, present age of Kishore is 56 years.
Q. 90	A can do a piece of work in 8 days of 5 hours each, and B can do it in 7 days of 9 hours each. How long will they take to complete the work, working together 24/5 hours a day? a) 7 \frac{10}{103} \text{ days} b) 5 \frac{10}{103} \text{ days} c) 525 \text{ days} d) 455 \text{ days}
Explanation:	$A \times 8 \times 5 = B \times 7 \times 9$ $P = A_B = 63/90$ $63 \times 8 \times 5 = (63 + 40) \times 24/8 \times 2$
	$63 \times 8 \times 5 = (63 + 40) \times 24 \times 2$

```
Q. 91
               b) 1907
                c) -1847
                d) 2107
                  Given: \sqrt{(7 + r/324)} = 19/18
                  Square both sides
                  \Rightarrow 7 + r/324 = (19/18)^2 = 361/324
Explanation:
                  Subtract 7 from both sides
                  \Rightarrow r/324 = 361/324 - 7
                  \Rightarrow r/324 = (361 - 2268) / 324 = -1907 / 324
                  \Rightarrow r = -1907
                  Correct answer: -1907
Q. 92
                Two years ago, the population of a village was 56200. Due to migration to cities, the population of the village decreased by 20% in the
                first year. In the following year the population of the village increased by 30% because lots of new job opportunities became available
                in the village. What is the present population of the village?
                a) 58448
                b) 52864
                c) 62346
                d) 55068
                  Initial population (2 years ago) = 56200
Explanation:
                  56200 * 4/5 * 13/10 = 58448
Q. 93
                The diameter of a sphere is equal to the side of a square of area 784 \text{ cm}^2. Find the approximate volume (in cm<sup>3</sup>) of the sphere. (use \pi
                = 22/7)
                a) 14617.4 cm<sup>3</sup>
                b) 15987.8 cm<sup>3</sup>
                c) 11498.6 cm<sup>3</sup>
                d) 13792.6 cm<sup>3</sup>
                  Step 1: Side of square = \sqrt{784} = 28 cm
                  ⇒ Diameter of sphere = 28 cm
                  \Rightarrow Radius = 28 / 2 = 14 cm
                  Step 2: Volume of sphere = (4/3) \times \pi \times r^3
                  = (4/3) \times (22/7) \times 14^3
Explanation:
                  = (4/3) \times (22/7) \times 2744
                  Now simplify:
                  (4 \times 22 \times 392) / 3
                  =34496/21
                  = 11498.6 \text{ cm}^3
```

8/2025, 19:	21 RBE-SSC-CGL-2025-Live-Mock-31-August-31-2025
Q. 94	The radius and the height of a cone are 4.9 cm and 12 cm, respectively. The cone is cut from the middle perpendicular to base into two equal parts. What is the approx. volume (in cm ³) of one such part? (Take $\pi = 22/7$.)
	a) 148.76 X
	b) 150.92 🗳
	c) 144.18 ×
	d) 146.44 ×
	Radius = 4.9 cm
	Height = 12 cm
	$\pi = 22/7$
	Volume of cone = $(1/3) \times \pi \times r^2 \times h$ = $(1/3) \times (22/7) \times (4.9)^2 \times 12$
Explanation:	$= (1/3) \times (22/7) \times (4.9)^{-1} \times 12$ $= (1/3) \times (22/7) \times 24.01 \times 12$
	$= (1/3) \times (22/7) \times 24.01 \times 12$ $= (1/3) \times (22/7) \times 288.12$
	$= 301.84 \text{ cm}^3 \text{ (approx)}$
	Volume of one part = $301.84 \div 2 = 150.92 \text{ cm}^3$
	Answer: 150.92 cm ³
Q. 95	The angle of elevation ' θ ' of the top of a tower at a point on the ground is such that $\cos \theta = 15/17$. When the point is moved 286 m
	towards the tower, the angle of elevation becomes ' \emptyset ' in such a way that $\sin \emptyset = 3/5$. The height (in m) of the tower is:
	a) 462 X
	b) 528 🗳
	c) 572 ×
	d) 616 ×



Q. 96	The smallest positive number that should be subtracted from 10 and 15, so that 20 is the third proportion to them is: a) 3
	b) 4 ×
	c) 5 🛷
	d) 2 ×
Explanation:	$(10-x): (15-x) = (15-x): 20$ $\Rightarrow (10-x)(20) = (15-x)^2$ $\Rightarrow 200 - 20x = 225 - 30x + x^2$ $\Rightarrow 0 = x^2 - 10x + 25$ $x^2 - 10x + 25 = 0$ $(x-5)^2 = 0 = > x = 5$

Q. 97

If
$$(11x - 9)^3 + 8(6 - x)^3 - 27((8x + 13))^3$$
= $18(9 - 11x)(6 - x)(8x + 13)$, then the value of $\frac{25x^2 + 5x + 1}{25x^2 - 5x + 1}$
a) $157/133$

b) $171/196$

c) $133/157$

d) $196/171$

$$\frac{\alpha^8 + b^8 + c^2 = 3\alpha b C}{9 + a + b + c = 0}$$

$$9 \cdot (11x - 9) + (12 - 3a) + (-29x - 39) = 0$$

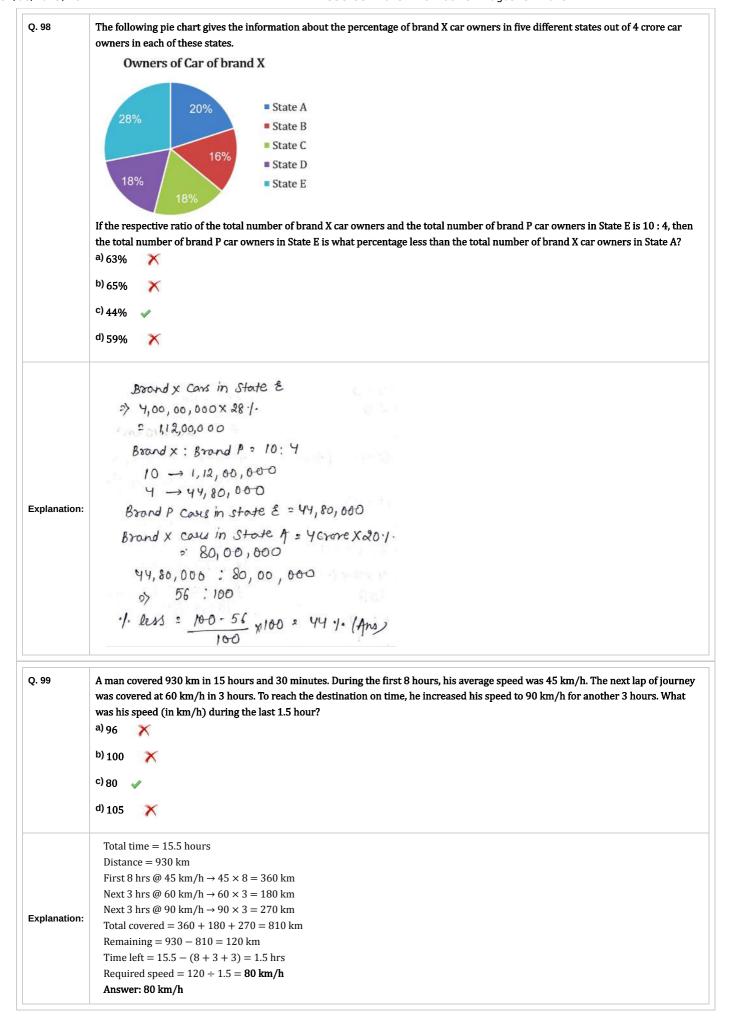
$$9 \cdot (11x - 9) + (12 - 3a) + (-29x - 39) = 0$$

$$9 \cdot (-15x - 36 = 0) \Rightarrow 15x = -36$$

$$9 \cdot x = -18$$

$$\frac{25x^2 + 5x + 1}{25x^2 - 5x + 1} \Rightarrow \frac{25}{35} \frac{(14y)}{\sqrt{25}} + 5(-12/5) + 1$$

$$\frac{25}{35} \frac{(14y - 12 + 1)}{\sqrt{14y + 12 + 1}} = \frac{133}{157}$$



Q. 100	The following table shows the marks obtained by a group of students in a test: Calculate.							
	Marks (x)	No. of Students						
		(f)						
	10	2						
	20	3						
	30	5						
	40	4						
	50	6						
	Find the following 3 rd Quartile. a) 40							
					b) 30			
		Total students, $n = 2 + 3 + 5 + 4 + 6 = 20$						
	Funlanatia:-:	For 3^{rd} quartile we need, $3*(n+1)/4$ th term = $3*21/4 = 15.75^{th}$ term.						
	Explanation:	15 to 20 all terms are 50.						
So 3 rd quartile i		c 50						