

UPSC Prelims 2025: Answer Key with Explanations

GS Paper I, Series A. Answers follow UPSC's final answer key (13 May 2026); explanations by Digitally Learn.

Answer key, all four sets

Set A

1: b	2: a	3: a	4: b	5: d	6: c	7: a	8: a	9: a	10: a
11: c	12: c	13: b	14: a	15: b	16: c	17: b	18: d	19: b	20: c
21: b	22: c	23: d	24: d	25: c	26: c	27: a	28: c	29: c	30: c
31: b	32: c	33: b	34: a	35: a	36: c	37: d	38: c	39: b	40: b
41: c	42: d	43: c	44: c	45: b	46: b	47: c	48: d	49: d	50: a
51: c	52: c	53: a	54: a	55: c	56: d	57: d	58: a	59: d	60: b
61: d	62: a	63: d	64: c	65: a	66: c	67: c	68: a	69: b	70: d
71: b	72: c	73: b	74: a	75: c	76: b	77: a	78: a	79: c	80: d
81: a	82: a	83: b	84: b	85: a	86: a	87: c	88: d	89: d	90: a
91: d	92: d	93: c	94: d	95: a	96: d	97: a	98: a	99: a	100: b

Set B

1: c	2: d	3: c	4: c	5: b	6: b	7: c	8: d	9: d	10: a
11: b	12: c	13: b	14: a	15: a	16: c	17: d	18: c	19: b	20: b
21: c	22: c	23: b	24: a	25: b	26: c	27: b	28: d	29: b	30: c
31: b	32: a	33: a	34: b	35: d	36: c	37: a	38: a	39: a	40: a
41: b	42: c	43: d	44: d	45: c	46: c	47: a	48: c	49: c	50: c
51: d	52: d	53: c	54: d	55: a	56: d	57: a	58: a	59: a	60: b
61: a	62: a	63: b	64: b	65: a	66: a	67: c	68: d	69: d	70: a
71: d	72: a	73: d	74: c	75: a	76: c	77: c	78: a	79: b	80: d
81: c	82: c	83: a	84: a	85: c	86: d	87: d	88: a	89: d	90: b
91: b	92: c	93: b	94: a	95: c	96: b	97: a	98: a	99: c	100: d

Set C

1: d	2: d	3: c	4: d	5: a	6: d	7: a	8: a	9: a	10: b
11: a	12: a	13: b	14: b	15: a	16: a	17: c	18: d	19: d	20: a
21: b	22: c	23: b	24: a	25: c	26: b	27: a	28: a	29: c	30: d
31: d	32: a	33: d	34: c	35: a	36: c	37: c	38: a	39: b	40: d
41: c	42: c	43: a	44: a	45: c	46: d	47: d	48: a	49: d	50: b
51: c	52: d	53: c	54: c	55: b	56: b	57: c	58: d	59: d	60: a

61: b	62: c	63: b	64: a	65: a	66: c	67: d	68: c	69: b	70: b
71: b	72: c	73: d	74: d	75: c	76: c	77: a	78: c	79: c	80: c
81: c	82: c	83: b	84: a	85: b	86: c	87: b	88: d	89: b	90: c
91: b	92: a	93: a	94: b	95: d	96: c	97: a	98: a	99: a	100: a

Set D

1: b	2: c	3: b	4: a	5: c	6: b	7: a	8: a	9: c	10: d
11: d	12: a	13: d	14: c	15: a	16: c	17: c	18: a	19: b	20: d
21: a	22: a	23: b	24: b	25: a	26: a	27: c	28: d	29: d	30: a
31: c	32: c	33: a	34: a	35: c	36: d	37: d	38: a	39: d	40: b
41: d	42: d	43: c	44: d	45: a	46: d	47: a	48: a	49: a	50: b
51: b	52: a	53: a	54: b	55: d	56: c	57: a	58: a	59: a	60: a
61: b	62: c	63: d	64: d	65: c	66: c	67: a	68: c	69: c	70: c
71: c	72: c	73: b	74: a	75: b	76: c	77: b	78: d	79: b	80: c
81: c	82: d	83: c	84: c	85: b	86: b	87: c	88: d	89: d	90: a
91: b	92: c	93: b	94: a	95: a	96: c	97: d	98: c	99: b	100: b

1. With reference to investments, consider the following:

- I. Bonds
- II. Hedge Funds
- III. Stocks
- IV. Venture Capital

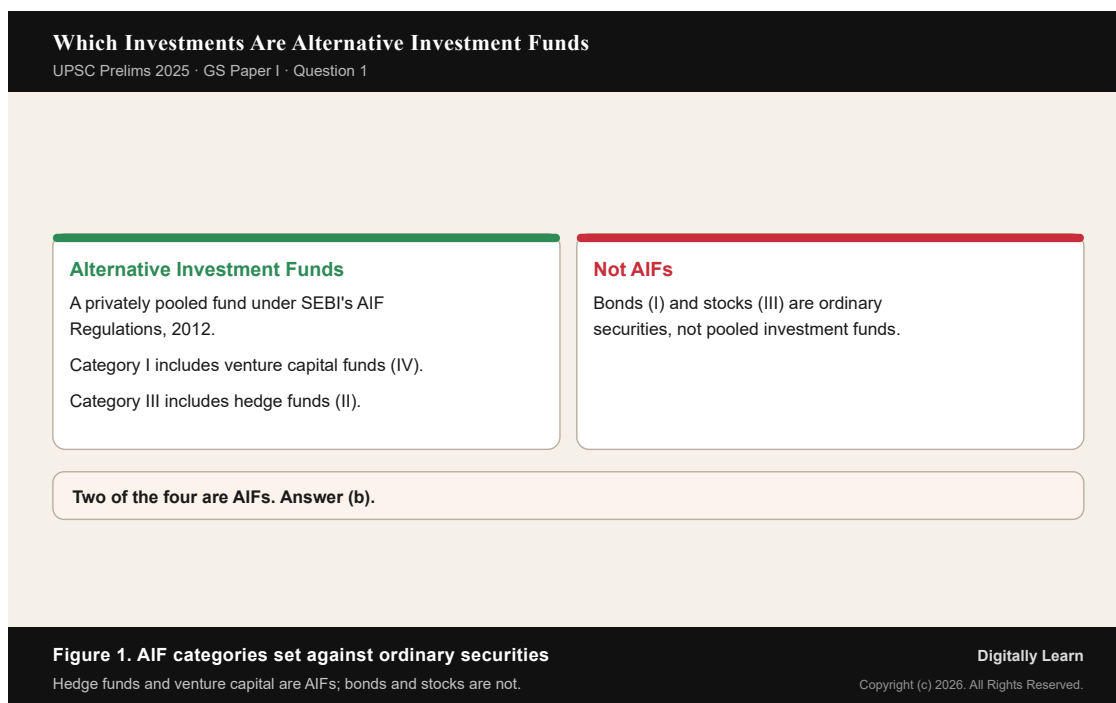
How many of the above are treated as Alternative Investment Funds?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All the four

Answer: (b) Only two

SEBI's Alternative Investment Funds Regulations, 2012 define an AIF as a privately pooled fund, and sort AIFs into three categories: Category I includes venture capital funds, and Category III includes hedge funds.

Bonds and stocks are ordinary securities, not pooled investment funds, so they are not AIFs. Only hedge funds and venture capital are, answer (b).



How to crack it: Ask what an AIF is: a privately pooled fund. Bonds and stocks are single securities, not pools, so strike them out at once and count what is left.

2. Which of the following are the sources of income for the Reserve Bank of India?

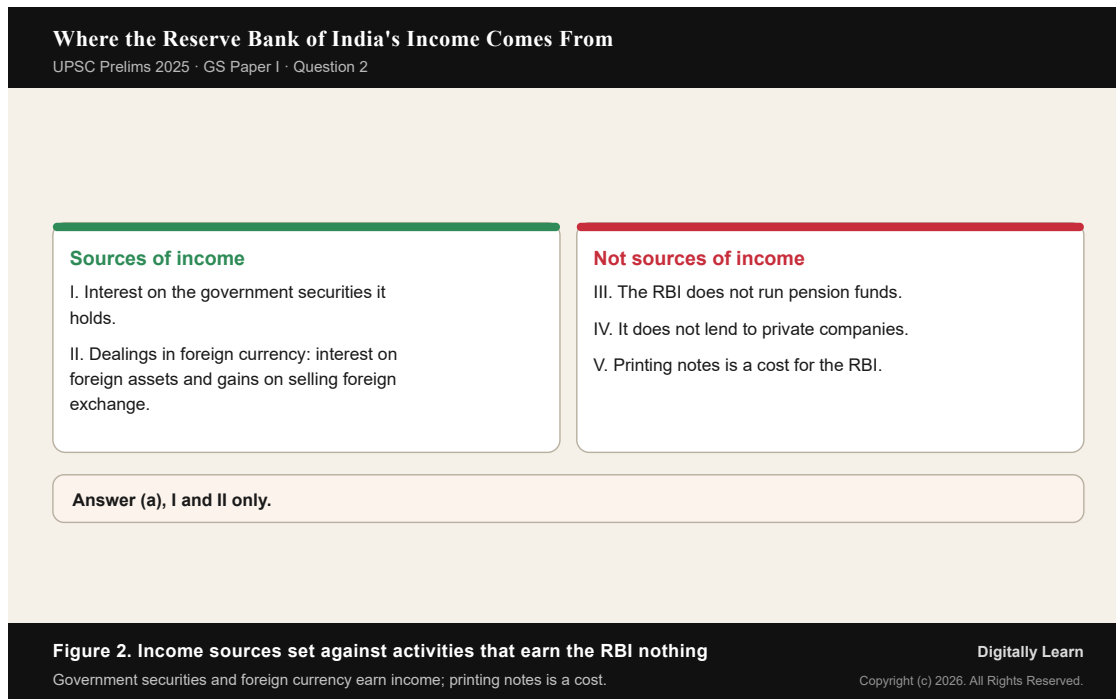
- I. Buying and selling Government bonds
- II. Buying and selling foreign currency
- III. Pension fund management
- IV. Lending to private companies
- V. Printing and distributing currency notes

Select the correct answer using the code given below.

- (a) I and II only
- (b) II, III and IV
- (c) I, III, IV and V
- (d) I, II and V

Answer: (a) I and II only

The RBI earns most of its income from interest on the government securities it holds and from its dealings in foreign currency, including interest on foreign assets and gains on selling foreign exchange (I and II). It does not run pension funds or lend to private companies (III and IV). Printing notes is a cost for the RBI, not a source of income (V). Answer (a), I and II only.



How to crack it: Think of the RBI as a balance sheet: it earns interest on what it holds (government bonds, foreign assets). Printing notes costs it money, so any option with V goes.

3. With reference to the Government of India, consider the following information:

	Organization	Some of its functions	It works under
I.	Directorate of Enforcement	Enforcement of the Fugitive Economic Offenders Act, 2018	Internal Security Division-I, Ministry of Home Affairs
II.	Directorate of Revenue Intelligence	Enforces the provisions of the Customs Act, 1962	Department of Revenue, Ministry of Finance
III.	Directorate General of Systems and Data Management	Carrying out big data analytics to assist tax officers for better policy and nabbing tax evaders	Department of Revenue, Ministry of Finance

In how many of the above rows is the information correctly matched?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (a) Only one

Row I is wrong: the Directorate of Enforcement does enforce the Fugitive Economic Offenders Act, 2018, but it works under the Department of Revenue, Ministry of Finance, not the Ministry of Home Affairs.

Row II is correct: the Directorate of Revenue Intelligence is the anti-smuggling agency that enforces the Customs Act, 1962, under the Department of Revenue.

Row III is wrong on the function: the Directorate General of Systems and Data Management designs and runs the IT systems of Customs and indirect taxes. Data analytics to catch tax evaders is the job of a separate body, the Directorate General of Analytics and Risk Management (DGARM), set up by CBIC in July 2017 as its apex body for data analytics and risk management. Only one row is correct, answer (a).

How to crack it: In 'which ministry' rows, check the parent department first. The Enforcement Directorate sits in the Finance Ministry's Department of Revenue, so row I fails on that alone.

4. Consider the following statements:

- I. The Reserve Bank of India mandates all the listed companies in India to submit a Business Responsibility and Sustainability Report (BRSR).
- II. In India, a company submitting a BRSR makes disclosures in the report that are largely non-financial in nature.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (b) II only

Statement I is wrong: the Business Responsibility and Sustainability Report is required by the Securities and Exchange Board of India (SEBI) for the top 1,000 listed companies by market capitalisation, not by the RBI and not for all listed companies.

Statement II is correct: the BRSR is about environmental, social and governance performance, so its disclosures are largely non-financial. Answer (b), II only.

How to crack it: Two traps in one line: the wrong regulator (RBI for SEBI) and an absolute word ('all listed companies'). Either one makes Statement I false.

5. Consider the following statements:

Statement I: In India, income from allied agricultural activities like poultry farming and wool rearing in rural areas is exempted from any tax.

Statement II: In India, rural agricultural land is not considered a capital asset under the provisions of the Income-tax Act, 1961.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

Answer: (d) Statement I is not correct but Statement II is correct

Statement I is wrong: income from poultry farming, wool rearing and similar allied activities is not agricultural income under the Income-tax Act, so it is taxable like other business income.

Statement II is correct: agricultural land in rural areas is excluded from the definition of a 'capital asset' in section 2(14) of the Income-tax Act, 1961. Answer (d).

How to crack it: Split 'agricultural income' from 'allied activities'. Poultry and wool rearing are business income, so Statement I is false and only (d) can fit.

6. Consider the following statements:

- I. India has joined the Minerals Security Partnership as a member.
- II. India is a resource-rich country in all the 30 critical minerals that it has identified.
- III. The Parliament in 2023 has amended the Mines and Minerals (Development and Regulation) Act, 1957 empowering the Central Government to exclusively auction mining lease and composite license for certain critical minerals.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (c) I and III only

Statement I is correct: India joined the US-led Minerals Security Partnership in June 2023.

Statement II is wrong: India depends heavily on imports for many of the 30 critical minerals it identified in 2023, such as lithium and cobalt, which is why the Critical Mineral Mission was launched.

Statement III is correct: the Mines and Minerals (Development and Regulation) Amendment Act, 2023 lets the Central Government alone auction mining leases and composite licences for listed critical minerals. Answer (c), I and III only.

How to crack it: 'Resource-rich in all 30' is an absolute claim, and India imports lithium and cobalt. Drop Statement II and pick the option without it.

7. Consider the following statements:

Statement I: As regards returns from an investment in a company, generally, bondholders are considered to be relatively at lower risk than stockholders.

Statement II: Bondholders are lenders to a company whereas stockholders are its owners.

Statement III: For repayment purpose, bondholders are prioritized over stockholders by a company.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement I and Statement II are correct and Statement I explains Statement II
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct

Answer: (a) Both Statement II and Statement III are correct and both of them explain Statement I

Statement II is correct: bondholders lend money to the company, while shareholders own it. Statement III is correct: when a company pays out, and especially if it is wound up, bondholders are repaid before shareholders.

Both facts explain Statement I: a lender with a fixed claim and first right to repayment carries less risk than an owner whose return depends on profits. Answer (a).

Bondholders and Shareholders Compared
UPSC Prelims 2025 · GS Paper I · Question 7

Bondholder	Shareholder
Lends money to the company.	Owns the company.
Holds a fixed claim.	Return depends on profits.
Repaid before shareholders, especially if the company is wound up.	Repaid after bondholders.
So carries less risk.	So carries more risk.

Statements II and III are correct and both explain Statement I. Answer (a).

Figure 3. Lender against owner: claim, repayment order and risk
A lender with a fixed claim, repaid first, carries less risk than an owner.

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How to crack it: Ask why a bond is safer: the holder is a lender with a fixed claim who is repaid first. Both reasons explain the lower risk, so look for the 'both explain' option.

8. Consider the following statements:

- I. India accounts for a very large portion of all equity option contracts traded globally thus exhibiting a great boom.
- II. India's stock market has grown rapidly in the recent past even overtaking Hong Kong's at some point of time.
- III. There is no regulatory body either to warn the small investors about the risks of options trading or to act on unregistered financial advisors in this regard.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (a) I and II only

Statement I is correct: India's exchanges account for a very large share of the equity options contracts traded worldwide, a boom SEBI itself has flagged.

Statement II is correct: in early 2024 the market value of Indian stocks overtook Hong Kong's, making India one of the largest stock markets in the world.

Statement III is wrong: SEBI regulates the securities market, warns investors about the risks of derivatives trading and acts against unregistered investment advisers. Answer (a), I and II only.

How to crack it: 'There is no regulatory body' is almost always false in Indian finance: SEBI exists and warns about derivatives. Remove III.

9. Consider the following statements:

Statement I: Circular economy reduces the emissions of greenhouse gases.

Statement II: Circular economy reduces the use of raw materials as inputs.

Statement III: Circular economy reduces wastage in the production process.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement II and Statement III are correct but only one of them explains Statement I
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct

Answer: (a) Both Statement II and Statement III are correct and both of them explain Statement I

A circular economy keeps materials in use through reuse, repair and recycling. That cuts the need for fresh raw materials (Statement II) and reduces waste in production (Statement III).

Both explain Statement I: mining, processing and disposing of materials are major sources of greenhouse gases, so using fewer new materials and wasting less lowers emissions. Answer (a).

How to crack it: Link each statement to the claim: fewer fresh materials and less waste both mean lower emissions, so both explain Statement I.

10. Consider the following statements:

- I. Capital receipts create a liability or cause a reduction in the assets of the Government.
- II. Borrowings and disinvestment are capital receipts.
- III. Interest received on loans creates a liability of the Government.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (a) I and II only

Statement I is correct: a capital receipt either creates a liability (borrowing) or reduces the Government's assets (disinvestment, recovery of loans).

Statement II is correct: borrowings and disinvestment proceeds are capital receipts. Statement III is wrong: interest received on loans is a revenue receipt and creates no liability. Answer (a), I and II only.

Capital Receipts and Revenue Receipts

UPSC Prelims 2025 · GS Paper I · Question 10

Capital receipts

Create a liability (borrowings) or reduce assets (disinvestment, recovery of loans).

Borrowings and disinvestment proceeds belong here (Statement II).

Revenue receipts

Create no liability.

Interest received on loans belongs here, so Statement III is wrong.

Answer (a), I and II only.

Figure 4. Which receipts create a liability or reduce assets

Borrowing and disinvestment are capital receipts; interest received is a revenue receipt.

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How to crack it: Learn the test: a capital receipt creates a liability or reduces an asset. Interest received does neither, so it is a revenue receipt and Statement III goes.

11. Consider the following statements about Raja Ram Mohan Roy:

- I. He possessed great love and respect for the traditional philosophical systems of the East.
- II. He desired his countrymen to accept the rational and scientific approach and the principle of human dignity and social equality of all men and women.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (c) Both I and II

Raja Ram Mohan Roy respected the old philosophical systems of India, especially the Vedanta, and translated the Upanishads (I is correct).

He also wanted Indians to take up rational and scientific thinking and argued for human dignity and the equality of men and women, campaigning against sati (II is correct). Answer (c).

How to crack it: Reformers like Ram Mohan Roy combined respect for Vedanta with rational thought. When both halves describe the same person fairly, choose 'Both'.

12. Consider the following subjects with regard to Non-Cooperation Programme:

- I. Boycott of law-courts and foreign cloth
- II. Observance of strict non-violence
- III. Retention of titles and honours without using them in public
- IV. Establishment of Panchayats for settling disputes

How many of the above were parts of Non-Cooperation Programme?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All the four

Answer: (c) Only three

The Non-Cooperation programme adopted in 1920 included boycott of law courts and foreign cloth (I), strict non-violence (II) and the setting up of panchayats to settle disputes (IV).

Titles and honours were to be surrendered, not kept. So three of the four were part of the programme, answer (c).

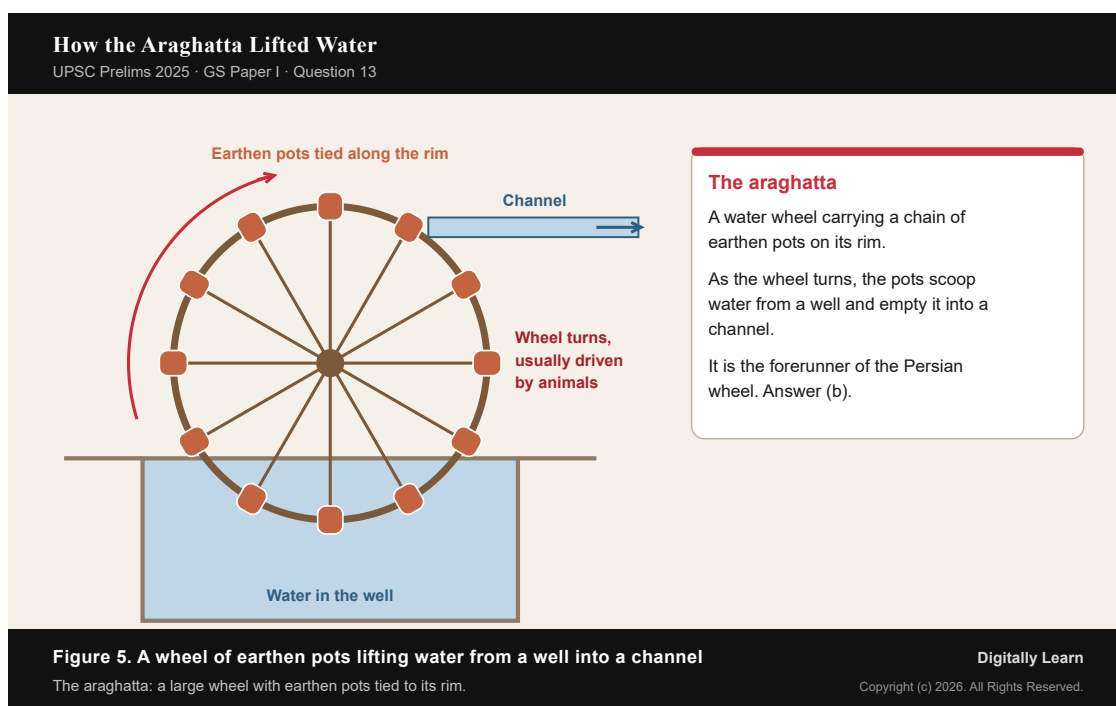
How to crack it: Non-Cooperation asked people to give up titles, not keep them quietly. Spot the one item that softens the boycott and count the rest.

13. The irrigation device called 'Arghatta' was

- (a) a water bag made of leather pulled over a pulley
- (b) a large wheel with earthen pots tied to the outer ends of its spokes
- (c) a larger earthen pot driven by bullocks
- (d) a large water bucket pulled up by rope directly by hand

Answer: (b) a large wheel with earthen pots tied to the outer ends of its spokes

The arghatta was a water wheel carrying a chain of earthen pots on its rim. As the wheel turned, usually driven by animals, the pots scooped water from a well and emptied it into a channel. It is the forerunner of the Persian wheel. Answer (b).



How to crack it: Picture the word: a wheel with pots on its rim, the forerunner of the Persian wheel. The other options describe a leather bag or a single bucket.

14. Who among the following rulers in ancient India had assumed the titles 'Mattavilasa', 'Vichitrachitta' and 'Gunabhara'?

- (a) Mahendravarman I
- (b) Simhavishnu
- (c) Narasimhavarman I
- (d) Simhavarman

Answer: (a) Mahendravarman I

The Pallava king Mahendravarman I (early 7th century) took the titles Mattavilasa, Vichitrachitta and Gunabhara. He also wrote the Sanskrit farce Mattavilasa Prahasana and began the rock-cut temples of the Pallavas. Answer (a).

How to crack it: Mattavilasa is also the name of a farce written by Mahendravarman I. Tie the title to the play and the Pallava king follows.

15. Fa-hien (Faxian), the Chinese pilgrim, travelled to India during the reign of

- (a) Samudragupta
- (b) Chandragupta II
- (c) Kumaragupta I
- (d) Skandagupta

Answer: (b) Chandragupta II

Faxian travelled in India from about 399 to 412 CE, during the reign of the Gupta ruler Chandragupta II (Vikramaditya), and left an account of the Gupta kingdom. Answer (b).

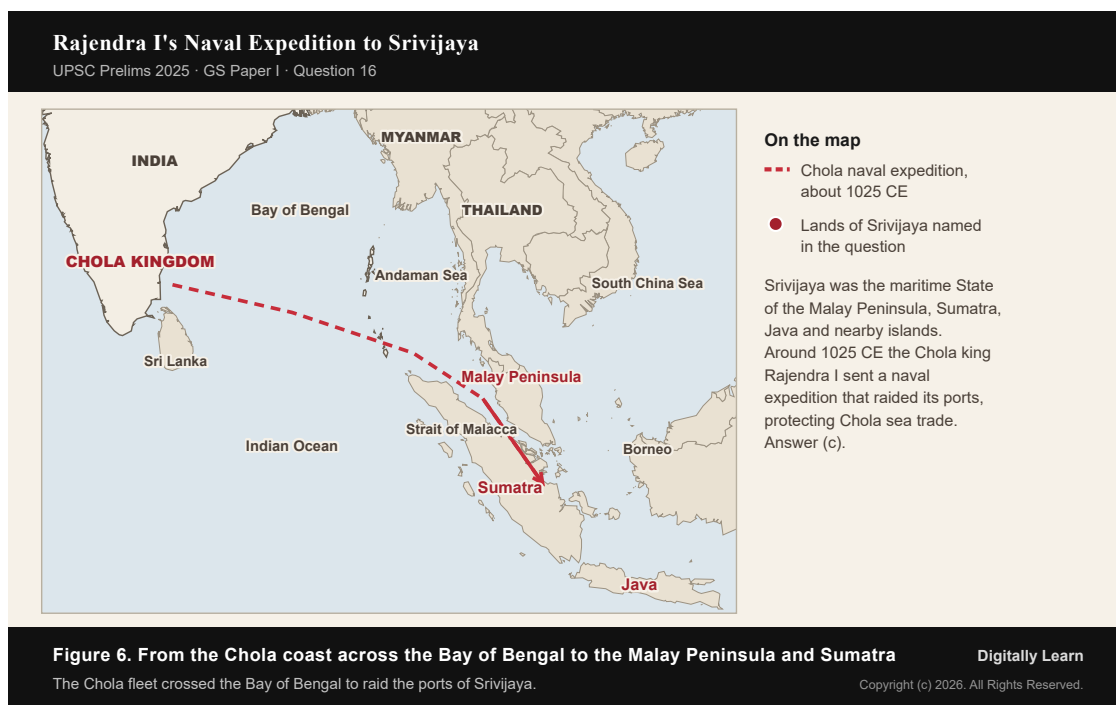
How to crack it: Faxian came about 399 to 412 CE. Place the Gupta kings in order and that window falls in Chandragupta II's reign.

16. Who among the following led a successful military campaign against the kingdom of Srivijaya, the powerful maritime State, which ruled the Malay Peninsula, Sumatra, Java and the neighbouring islands?

- (a) Amoghavarsha (Rashtrakuta)
- (b) Prataparudra (Kakatiya)
- (c) Rajendra I (Chola)
- (d) Vishnuvardhana (Hoysala)

Answer: (c) Rajendra I (Chola)

Around 1025 CE the Chola king Rajendra I sent a naval expedition that raided the ports of the Srivijaya kingdom in the Malay Peninsula and Sumatra, protecting the sea trade of the Cholas. Answer (c).



How to crack it: Srivijaya was a sea power, so look for a ruler with a navy. Rajendra I Chola's overseas raids around 1025 CE are the standard example.

17. With reference to ancient India (600-322 BC), consider the following pairs:

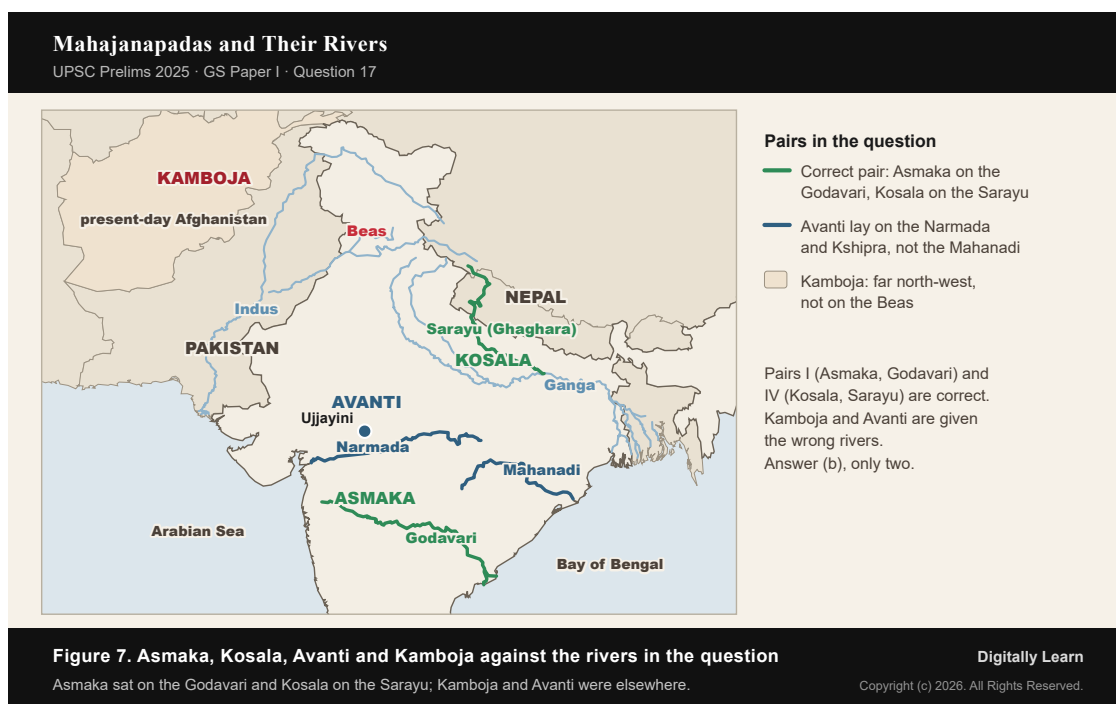
	Territorial region	River flowing in the region
I.	Asmaka	Godavari
II.	Kamboja	Vipas
III.	Avanti	Mahanadi
IV.	Kosala	Sarayu

How many of the pairs given above are correctly matched?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All the four

Answer: (b) Only two

Asmaka (Assaka) lay on the Godavari, so pair I is correct. Kosala lay on the Sarayu, so pair IV is correct. Kamboja lay in the far north-west, in the region of present-day Afghanistan, not on the Vipras (Beas). Avanti, with its capital Ujjayini, lay on the Narmada and Kshipra, not the Mahanadi. Two pairs are correct, answer (b).



How to crack it: Fix the two sure pairs first: Asmaka on the Godavari and Kosala on the Sarayu. Kamboja was in the far north-west, so it cannot sit on the Beas.

18. The first Gandharva Mahavidyalaya, a music training school, was set up in 1901 by Vishnu Digambar Paluskar in

- (a) Delhi
- (b) Gwalior
- (c) Ujjain
- (d) Lahore

Answer: (d) Lahore

Vishnu Digambar Paluskar founded the first Gandharva Mahavidyalaya at Lahore on 5 May 1901, to teach Hindustani classical music to the public. Answer (d).

How to crack it: Remember one place with one founder: Paluskar opened the first Gandharva Mahavidyalaya at Lahore in 1901.

19. Ashokan inscriptions suggest that the 'Pradeshika', 'Rajuka' and 'Yukta' were important officers at the

- (a) village-level administration
- (b) district-level administration
- (c) provincial administration
- (d) level of the central administration

Answer: (b) district-level administration

UPSC's key gives (b), district-level administration. Ashoka's inscriptions name the rajukas, pradeshikas and yuktas among the officers he sent out on regular tours of their areas, and historians read them as officials of the district tier of Mauryan government, below the provincial governors and above the village.

How to crack it: Ashoka sent rajukas, pradeshikas and yuktas on regular tours of their areas. Touring officers of an area point to the district tier, which is UPSC's answer.

20. Consider the following statements in respect of the Non-Cooperation Movement:

- I. The Congress declared the attainment of 'Swaraj' by all legitimate and peaceful means to be its objective.
- II. It was to be implemented in stages with civil disobedience and non-payment of taxes for the next stage only if 'Swaraj' did not come within a year and the Government resorted to repression.

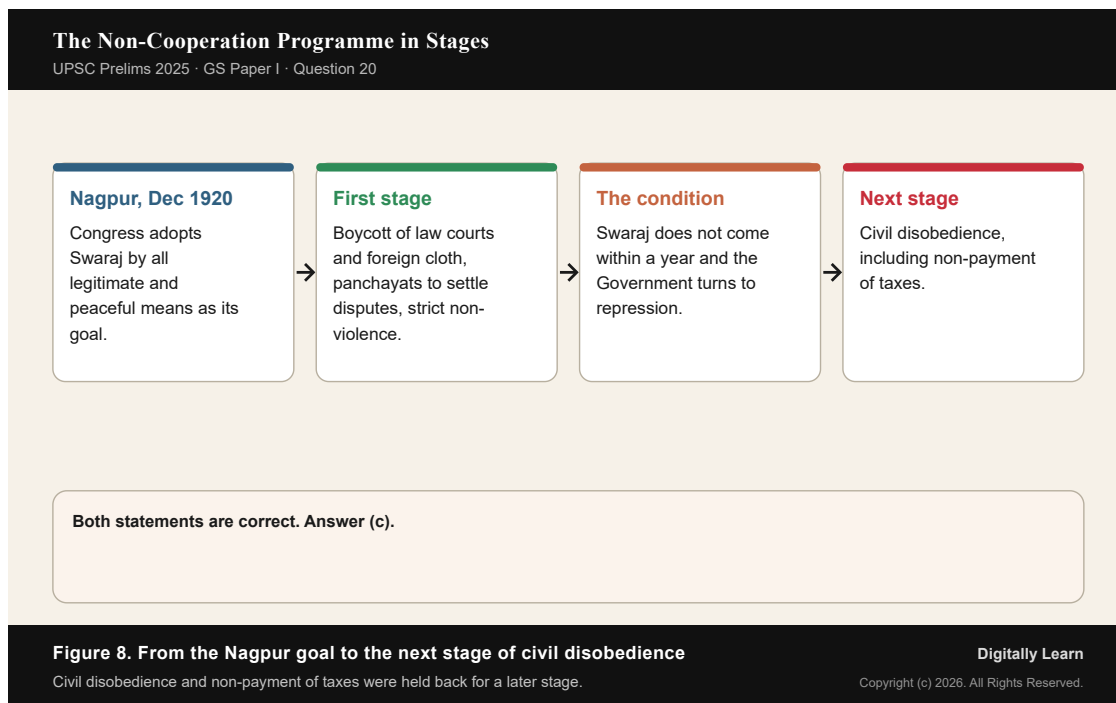
Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (c) Both I and II

Statement I is correct: at Nagpur in December 1920 the Congress changed its goal to the attainment of Swaraj by all legitimate and peaceful means.

Statement II is correct: the programme was to proceed in stages, and civil disobedience including non-payment of taxes would follow only if Swaraj did not come within a year and the Government turned to repression. Answer (c).



How to crack it: Remember Nagpur 1920 and the one-year promise: Swaraj by peaceful means, with civil disobedience held back for a later stage. Both statements fit.

21. Consider the following countries:

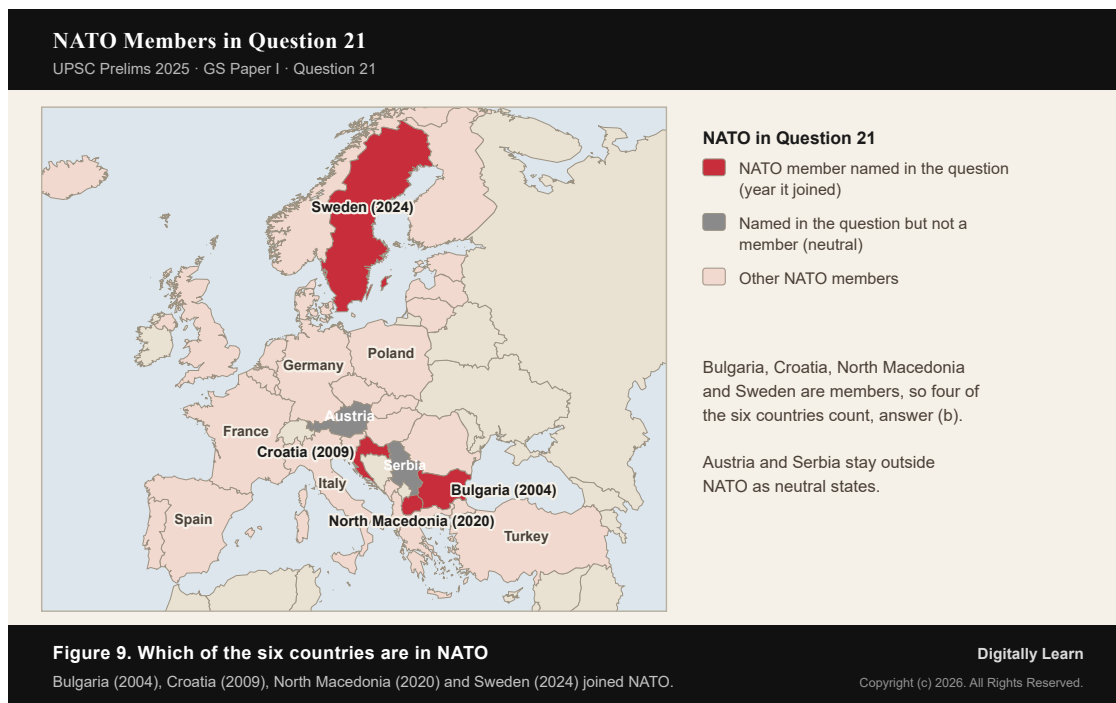
- I. Austria
- II. Bulgaria
- III. Croatia
- IV. Serbia
- V. Sweden
- VI. North Macedonia

How many of the above are members of the North Atlantic Treaty Organization?

- (a) Only three
- (b) Only four
- (c) Only five
- (d) All the six

Answer: (b) Only four

Bulgaria (2004), Croatia (2009), North Macedonia (2020) and Sweden (2024) are NATO members. Austria and Serbia follow policies of neutrality and are not members. Four countries, answer (b).



How to crack it: Work from recent joiners: Sweden (2024) and North Macedonia (2020). Austria and Serbia stay neutral, so the count is four.

22. Consider the following countries:

- I. Bolivia
- II. Brazil
- III. Colombia
- IV. Ecuador
- V. Paraguay
- VI. Venezuela

Andes mountains pass through how many of the above countries?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) Only five

Answer: (c) Only four

The Andes run through seven countries: Venezuela, Colombia, Ecuador, Peru, Bolivia, Chile and Argentina. From the list, Bolivia, Colombia, Ecuador and Venezuela lie on the Andes. Brazil and Paraguay do not. Four, answer (c).



How to crack it: The Andes run down the western side of South America. Brazil and Paraguay lie to the east, so remove them and count the rest.

23. Consider the following water bodies:

- I. Lake Tanganyika
- II. Lake Tonle Sap
- III. Patos Lagoon

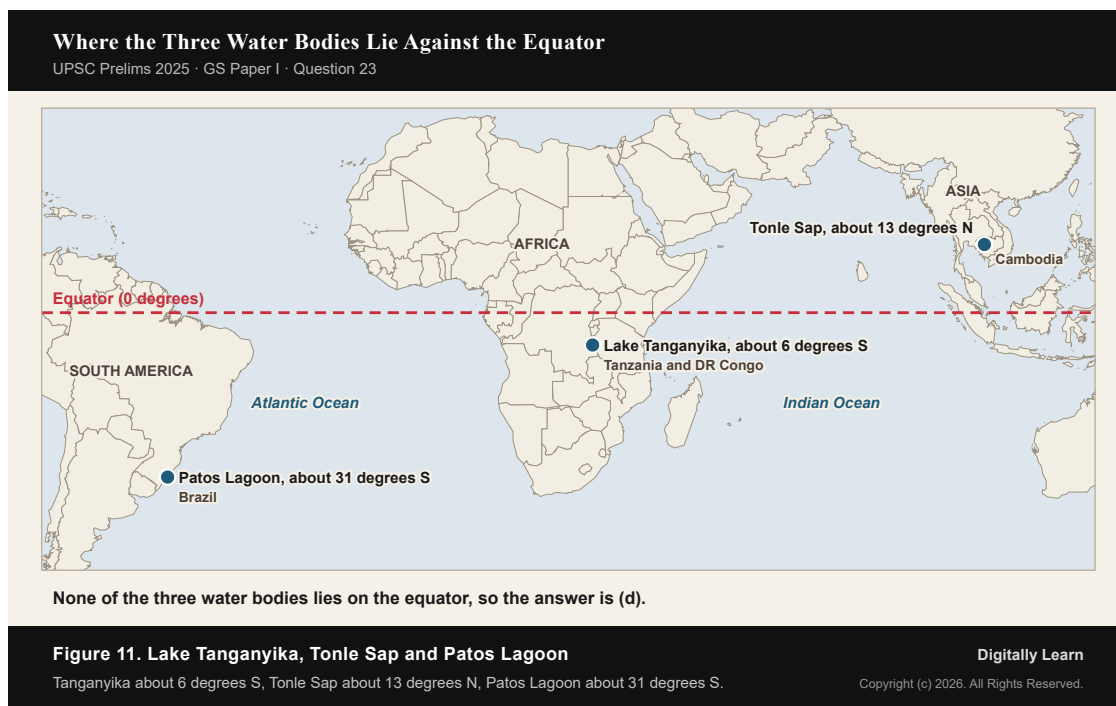
Through how many of them does the equator pass?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (d) None

Lake Tanganyika lies at about 6 degrees south, Tonle Sap in Cambodia at about 13 degrees north, and the Patos Lagoon in southern Brazil at about 31 degrees south.

The equator passes through none of them. Answer (d).



How to crack it: Recall the latitude of each: Tanganyika about 6 degrees south, Tonle Sap north, Patos far south. None touches 0 degrees.

24. Consider the following statements about turmeric during the year 2022-23:

- I. India is the largest producer and exporter of turmeric in the world.
- II. More than 30 varieties of turmeric are grown in India.
- III. Maharashtra, Telangana, Karnataka and Tamil Nadu are major turmeric producing States in India.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (d) I, II and III

All three statements are correct for 2022-23: India is the world's largest producer and exporter of turmeric, more than 30 varieties are grown, and Maharashtra, Telangana, Karnataka and Tamil Nadu are among the main producing States. Answer (d).

How to crack it: Check each statement against the 2022-23 facts: India is the largest producer and exporter, more than 30 varieties are grown, and the four named States are major growers. Nothing is off, so all three.

25. Which of the following are the evidences of the phenomenon of continental drift?

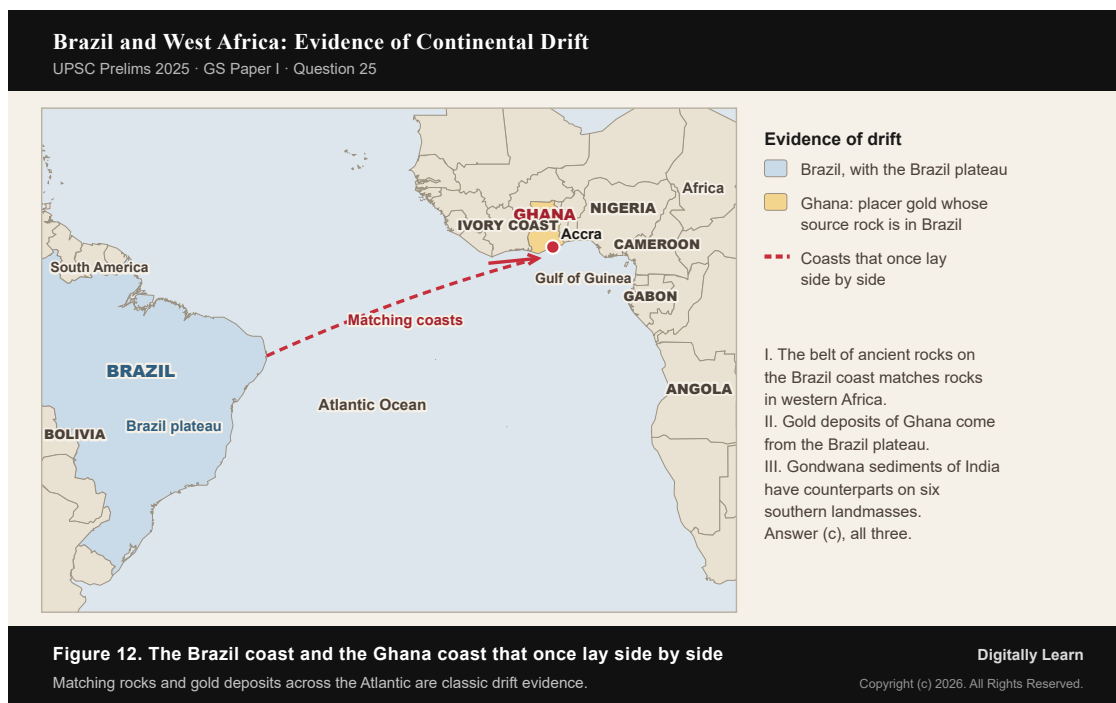
- I. The belt of ancient rocks from Brazil coast matches with those from Western Africa.
- II. The gold deposits of Ghana are derived from the Brazil plateau when the two continents lay side by side.
- III. The Gondwana system of sediments from India is known to have its counterparts in six different landmasses of the Southern Hemisphere.

Select the correct answer using the code given below.

- (a) I and III only
- (b) I and II only
- (c) I, II and III
- (d) II and III only

Answer: (c) I, II and III

All three are classic evidence for continental drift: rocks of the same age and type on the coasts of Brazil and West Africa (I), placer gold deposits in Ghana whose source rock lies in the Brazil plateau (II), and the Gondwana sediments of India matched in six landmasses of the southern hemisphere (III). Answer (c).



How to crack it: Drift evidence always matches things across oceans: rock belts, gold deposits and Gondwana sediments. All three follow that pattern.

Remember: NCERT's list of evidence for continental drift: jig-saw fit of coasts, rocks of the same age across oceans, tillite (glacial) deposits, placer deposits, and the distribution of fossils.

26. Consider the following statements:

Statement I: The amount of dust particles in the atmosphere is more in subtropical and temperate areas than in equatorial and polar regions.

Statement II: Subtropical and temperate areas have less dry winds.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

Answer: (c) Statement I is correct but Statement II is not correct

Statement I is correct: dust particles are more concentrated in subtropical and temperate areas than near the equator or the poles.

Statement II is wrong: the reason is that these areas have MORE dry winds, which lift and carry dust, not fewer. Answer (c).

How to crack it: Dust needs dry winds to lift it. A reason that says 'fewer dry winds' reverses the cause, so Statement II is wrong.

27. Consider the following statements:

Statement I: In January, in the Northern Hemisphere, the isotherms bend equatorward while crossing the landmasses, and poleward while crossing the oceans.

Statement II: In January, the air over the oceans is warmer than that over the landmasses in the Northern Hemisphere.

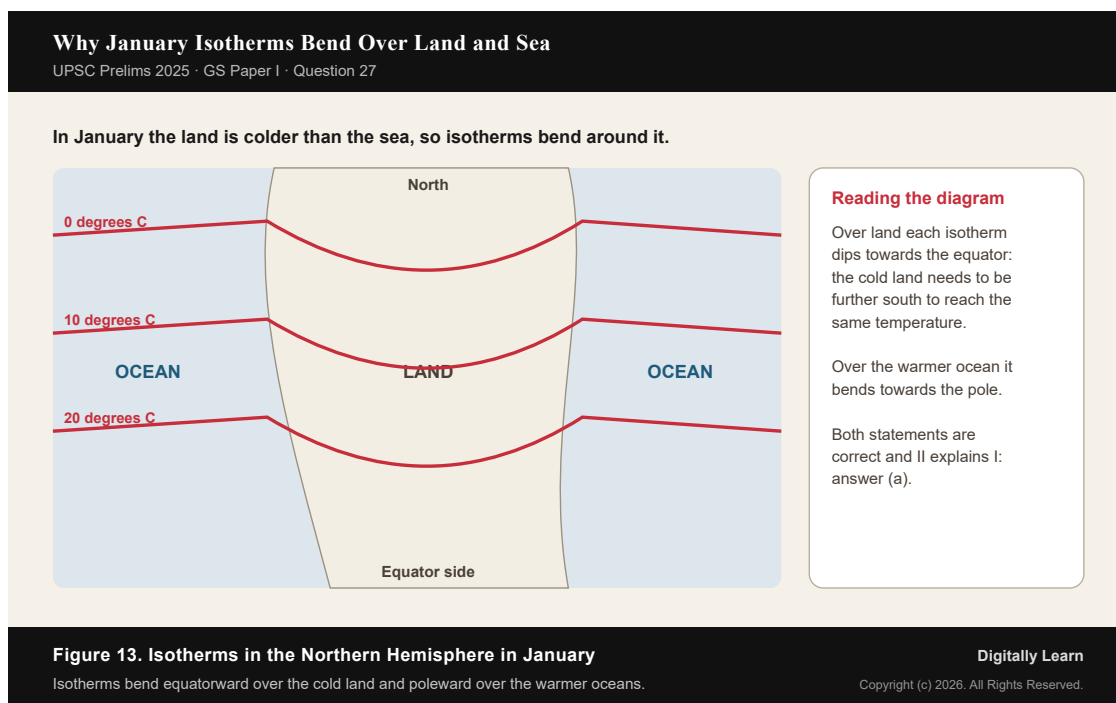
Which one of the following is correct in respect of the above statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

Answer: (a) Both Statement I and Statement II are correct and Statement II explains Statement I

Statement I is correct: in January the isotherms in the Northern Hemisphere bend towards the equator over land and towards the pole over the oceans.

Statement II is correct and explains it: in winter the oceans stay warmer than the land, so a given temperature is found further north over the sea and further south over land. Answer (a).



How to crack it: Remember the rule: in winter the sea stays warmer than the land. That single fact explains why isotherms bend towards the pole over oceans.

28. Consider the following statements:

Statement I: In the context of effect of water on rocks, chalk is known as a very permeable rock whereas clay is known as quite an impermeable or least permeable rock.

Statement II: Chalk is porous and hence can absorb water.

Statement III: Clay is not at all porous.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement II and Statement III are correct but only one of them explains Statement I
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct

Answer: (c) Only one of the Statements II and III is correct and that explains Statement I

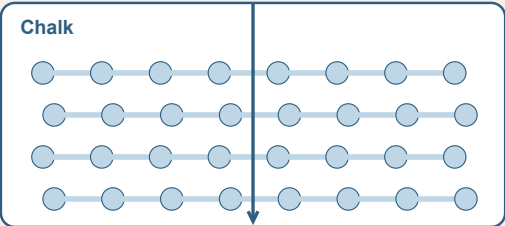
Statement I is correct: chalk lets water pass through easily, while clay hardly does.

Statement II is correct and explains the chalk part: chalk is porous and its pores are connected. Statement III is wrong: clay is actually very porous, but its pores are so tiny that water cannot flow through them, so it is porous yet impermeable. Answer (c).

Why Water Passes Through Chalk but Not Clay
UPSC Prelims 2025 · GS Paper I · Question 28

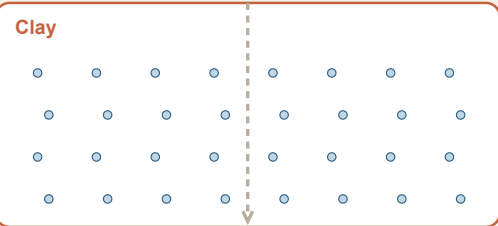
Porous means the rock has pores; permeable means water can flow through them.

Chalk



Chalk: permeable
Porous, and its pores are connected, so water passes through easily (Statement II).

Clay



Clay: porous yet impermeable
Very porous, but its pores are so tiny that water cannot flow through (Statement III is wrong).

Figure 14. Connected pores in chalk, tiny pores in clay
Only Statement II explains Statement I. Answer (c).

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How to crack it: Separate porous from permeable. Clay has many pores but tiny ones, so it is porous yet impermeable, which makes Statement III wrong.

29. Consider the following statements:

- I. Without the atmosphere, temperature would be well below freezing point everywhere on the Earth's surface.
- II. Heat absorbed and trapped by the atmosphere maintains our planet's average temperature.
- III. Atmosphere's gases, like carbon dioxide, are particularly good at absorbing and trapping radiation.

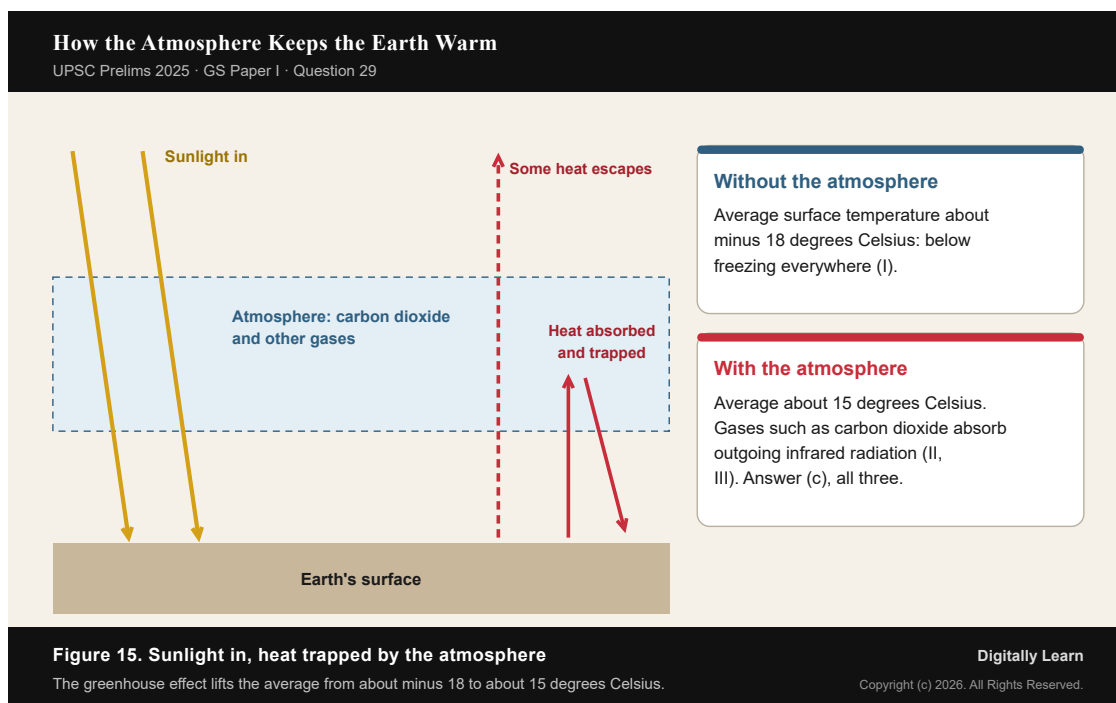
Which of the statements given above are correct?

- (a) I and III only
- (b) I and II only
- (c) I, II and III
- (d) II and III only

Answer: (c) I, II and III

All three are correct. Without the greenhouse effect of the atmosphere, the Earth's average surface temperature would be about minus 18 degrees Celsius instead of about 15 degrees (I).

The atmosphere absorbs and traps heat, keeping the planet's average temperature steady (II), and gases such as carbon dioxide are especially good at absorbing outgoing infrared radiation (III). Answer (c).



How to crack it: Recall the numbers: about minus 18 degrees Celsius without the greenhouse effect, about 15 with it. All three statements follow from that.

30. Consider the following statements about the Rashtriya Gokul Mission:

- I. It is important for the upliftment of rural poor as majority of low producing indigenous animals are with small and marginal farmers and landless labourers.
- II. It was initiated to promote indigenous cattle and buffalo rearing and conservation in a scientific and holistic manner.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (c) Both I and II

Both are correct. The Rashtriya Gokul Mission (2014) was started to develop and conserve indigenous breeds of cattle and buffalo in a scientific and holistic way (II).

Most low-yielding indigenous animals are kept by small and marginal farmers and landless labourers, so raising their productivity matters for the rural poor (I). Answer (c).

How to crack it: When both statements repeat a scheme's stated aim and its target group, and nothing is exaggerated, 'Both' is safe.

31. Consider the following statements:

Statement I: Studies indicate that carbon dioxide emissions from cement industry account for more than 5% of global carbon emissions.

Statement II: Silica-bearing clay is mixed with limestone while manufacturing cement.

Statement III: Limestone is converted into lime during clinker production for cement manufacturing.

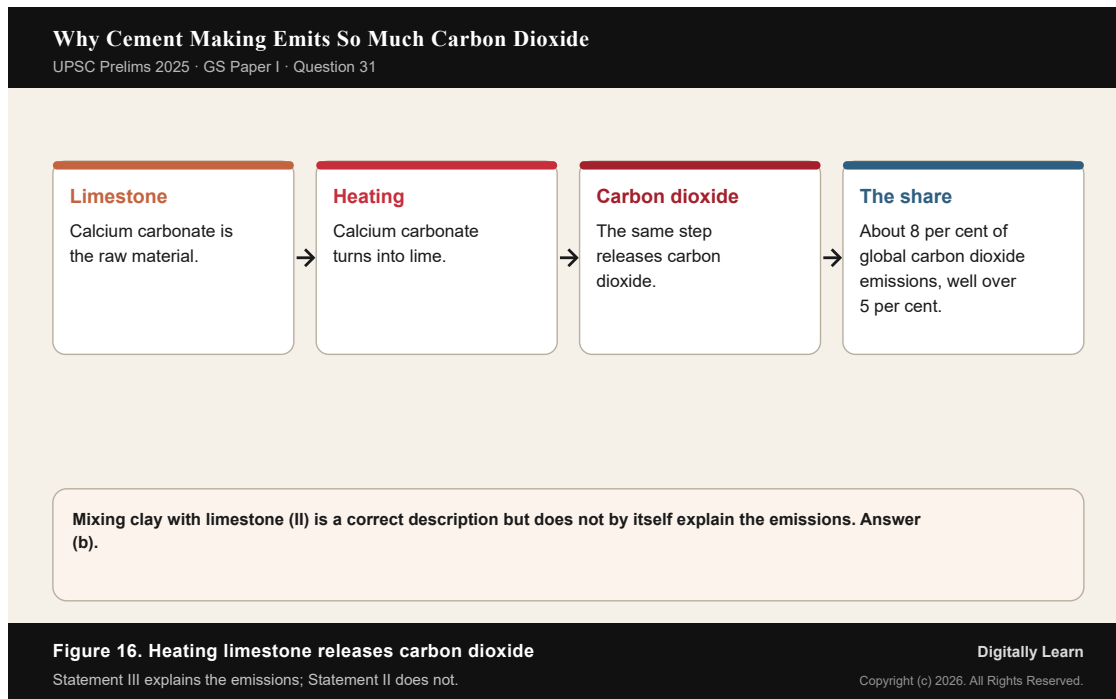
Which one of the following is correct in respect of the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement II and Statement III are correct but only one of them explains Statement I
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct

Answer: (b) Both Statement II and Statement III are correct but only one of them explains Statement I

Statement I is correct: cement making accounts for about 8 per cent of global carbon dioxide emissions, well over 5 per cent.

Statements II and III are both correct descriptions of cement making, but only III explains the emissions: heating limestone (calcium carbonate) into lime releases carbon dioxide. Mixing clay with limestone does not by itself explain it. Answer (b).



How to crack it: Ask which step releases CO₂: heating limestone into lime. Mixing clay is true but explains nothing about emissions.

32. Consider the following statements:

Statement I: At the 28th United Nations Climate Change Conference (COP28), India refrained from signing the 'Declaration on Climate and Health'.

Statement II: The COP28 Declaration on Climate and Health is a binding declaration; and if signed, it becomes mandatory to decarbonize health sector.

Statement III: If India's health sector is decarbonized, the resilience of its health-care system may be compromised.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement II and Statement III are correct but only one of them explains Statement I
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct

Answer: (c) Only one of the Statements II and III is correct and that explains Statement I

Statement I is correct: India did not sign the COP28 Declaration on Climate and Health in December 2023.

Statement II is wrong: the declaration is voluntary and non-binding. Statement III reflects India's stated concern, that cutting emissions from health care could limit the growth of its health system, and that explains Statement I. Answer (c).

How to crack it: A statement calling a voluntary declaration 'binding' is the planted error. India's health-sector concern is the reason it did not sign.

33. Consider the following statements:

Statement I: Scientific studies suggest that a shift is taking place in the Earth's rotation and axis.

Statement II: Solar flares and associated coronal mass ejections bombarded the Earth's outermost atmosphere with tremendous amount of energy.

Statement III: As the Earth's polar ice melts, the water tends to move towards the equator.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement II and Statement III are correct but only one of them explains Statement I
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct

Answer: (b) Both Statement II and Statement III are correct but only one of them explains Statement I

Statement I is correct: studies show the Earth's axis of rotation is shifting and its spin is changing slightly.

Statement II is correct as a fact about solar storms, but it does not explain the shift. Statement III is correct and explains it: as polar ice melts, the water spreads towards the equator, moving mass and so shifting the axis. Answer (b).

How to crack it: Match each cause to the effect: melting ice moving water towards the equator shifts the axis; solar storms do not.

34. Consider the following statements:

Statement I: Article 6 of the Paris Agreement on climate change is frequently discussed in global discussions on sustainable development and climate change.

Statement II: Article 6 of the Paris Agreement on climate change sets out the principles of carbon markets.

Statement III: Article 6 of the Paris Agreement on climate change intends to promote inter-country non-market strategies to reach their climate targets.

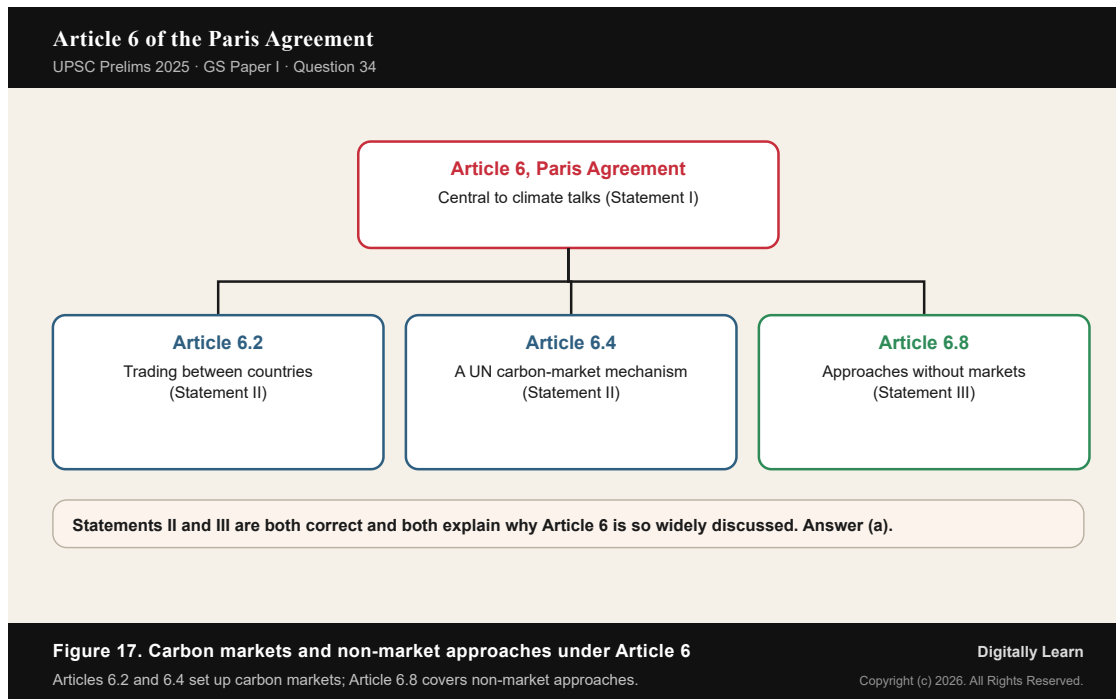
Which one of the following is correct in respect of the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement II and Statement III are correct but only one of them explains Statement I
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct

Answer: (a) Both Statement II and Statement III are correct and both of them explain Statement I

Article 6 of the Paris Agreement is central to climate talks (Statement I). It sets out rules for carbon markets: country-to-country trading under Article 6.2 and a UN mechanism under Article 6.4 (Statement II).

It also provides for non-market approaches under Article 6.8 (Statement III). Both explain why Article 6 is so widely discussed. Answer (a).



How to crack it: Know Article 6 by its parts: 6.2 trading, 6.4 UN mechanism, 6.8 non-market approaches. Both statements describe these, so both explain it.

35. Which one of the following launched the 'Nature Solutions Finance Hub for Asia and the Pacific'?

- (a) The Asian Development Bank (ADB)
- (b) The Asian Infrastructure Investment Bank (AIIB)
- (c) The New Development Bank (NDB)
- (d) The International Bank for Reconstruction and Development (IBRD)

Answer: (a) The Asian Development Bank (ADB)

The Asian Development Bank launched the Nature Solutions Finance Hub for Asia and the Pacific at COP28 in December 2023, to draw private and public money into projects that protect and restore nature. Answer (a).

How to crack it: Remember the launch: the Asian Development Bank announced the Nature Solutions Finance Hub at COP28 in December 2023.

36. With reference to 'Direct Air Capture', an emerging technology, which of the following statements is/are correct?

- I. It can be used as a way of carbon sequestration.
- II. It can be a valuable approach for plastic production and in food processing.
- III. In aviation, it can be a source of carbon for combining with hydrogen to create synthetic low-carbon fuel.

Select the correct answer using the code given below.

- (a) I and II only
- (b) III only
- (c) I, II and III
- (d) None of the above statements is correct

Answer: (c) I, II and III

All three are correct. Direct air capture pulls carbon dioxide straight out of the air. The gas can then be stored underground (I), used in industry, for example in making plastics or in food processing and drinks (II), or combined with hydrogen to make synthetic, low-carbon aviation fuel (III). Answer (c).

How to crack it: Direct air capture yields carbon dioxide that can be stored, used in industry or turned into fuel. All three uses are standard.

37. Regarding Peacock tarantula (Gooty tarantula), consider the following statements:

- I. It is an omnivorous crustacean.
- II. Its natural habitat in India is only limited to some forest areas.
- III. In its natural habitat, it is an arboreal species.

Which of the statements given above is/are correct?

- (a) I only
- (b) I and III
- (c) II only
- (d) II and III

Answer: (d) II and III

Statement I is wrong: the peacock (Gooty) tarantula is a spider, an arachnid, not a crustacean.

Statement II is correct: in India it lives only in a small area of forest in Andhra Pradesh, which is why it is Critically Endangered. Statement III is correct: it lives in trees, so it is arboreal. Answer (d), II and III.

How to crack it: Classification trap: a tarantula is a spider (arachnid), not a crustacean. That removes every option containing I.

38. Consider the following statements:

- I. Carbon dioxide (CO₂) emissions in India are less than 0.5 t CO₂/capita.
- II. In terms of CO₂ emissions from fuel combustion, India ranks second in Asia-Pacific region.
- III. Electricity and heat producers are the largest sources of CO₂ emissions in India.

Which of the statements given above is/are correct?

- (a) I and III only
- (b) II only
- (c) II and III only
- (d) I, II and III

Answer: (c) II and III only

Statement I is wrong: India's carbon dioxide emissions are close to 2 tonnes per person, far above 0.5 tonnes (though well below the world average).

Statement II is correct: in emissions from fuel combustion India is second in the Asia-Pacific, after China.

Statement III is correct: electricity and heat producers are India's largest source of these emissions. Answer (c), II and III only.

How to crack it: Check the number: India emits close to 2 tonnes per person, far above 0.5. Any option with Statement I goes.

39. Consider the following pairs:

	Plant	Description
I.	Cassava	Woody shrub
II.	Ginger	Herb with pseudostem
III.	Malabar spinach	Herbaceous climber
IV.	Mint	Annual shrub
V.	Papaya	Woody shrub

How many of the above pairs are correctly matched?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) All the five

Answer: (b) Only three

Cassava is a woody shrub, ginger is a herb whose 'stem' above ground is a pseudostem of leaf sheaths, and Malabar spinach is a climbing herb. Those three pairs are correct.

Mint is a perennial herb, not an annual shrub, and papaya is a soft-stemmed, tree-like herbaceous plant rather than a woody shrub. Three pairs are correct, answer (b).

How to crack it: Plant-habit pairs test botany terms: papaya is a soft-stemmed herbaceous plant, mint a perennial herb. Check each against shrub, herb or climber.

40. With reference to the planet Earth, consider the following statements:

- I. Rain forests produce more oxygen than that produced by oceans.
- II. Marine phytoplankton and photosynthetic bacteria produce about 50% of world's oxygen.
- III. Well-oxygenated surface water contains several folds higher oxygen than that in atmospheric air.

Which of the statements given above is/are correct?

- (a) I and II
- (b) II only
- (c) I and III
- (d) None of the above statements is correct

Answer: (b) II only

Statement I is wrong and statement II is correct: marine phytoplankton and photosynthetic bacteria such as Prochlorococcus produce about half of the world's oxygen, more than rainforests.

Statement III is wrong: air holds far more oxygen (about 21 per cent by volume) than even well-oxygenated surface water. Answer (b), II only.

How to crack it: Remember: ocean phytoplankton make about half the world's oxygen, more than rainforests. And air holds more oxygen than water.

41. Consider the following types of vehicles:

- I. Full battery electric vehicles
- II. Hydrogen fuel cell vehicles
- III. Fuel cell-electric hybrid vehicles

How many of the above are considered as alternative powertrain vehicles?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (c) All the three

All three are alternative powertrains, meaning vehicles not driven only by a petrol or diesel engine: battery electric vehicles, hydrogen fuel cell vehicles, and fuel cell-electric hybrids that combine a fuel cell with a battery. Answer (c).

How to crack it: 'Alternative powertrain' means anything not driven only by petrol or diesel. Battery, fuel cell and fuel-cell hybrid all qualify.

42. With reference to Unmanned Aerial Vehicles (UAVs), consider the following statements:

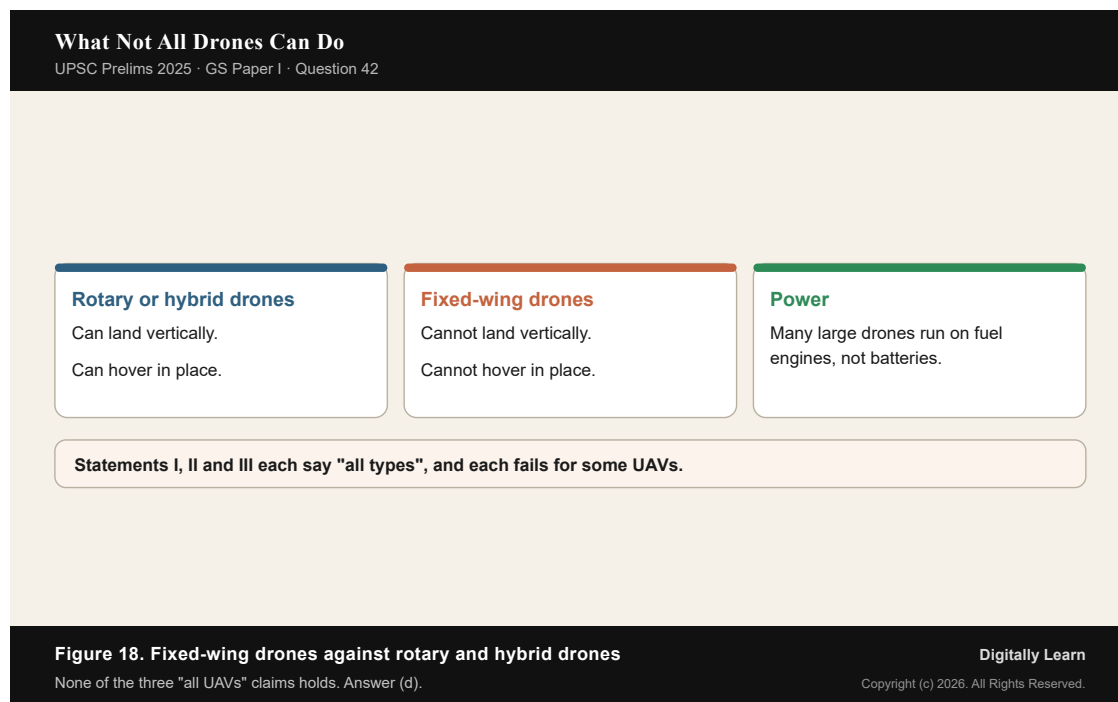
- I. All types of UAVs can do vertical landing.
- II. All types of UAVs can do automated hovering.
- III. All types of UAVs can use battery only as a source of power supply.

How many of the statements given above are correct?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (d) None

None of the three holds for ALL UAVs. Fixed-wing drones cannot land vertically or hover in place, only rotary or hybrid designs can, and many large drones run on fuel engines rather than batteries. Answer (d).



How to crack it: 'All types' is the trap word in every statement. One counter-example (fixed-wing drones cannot hover) breaks each claim.

43. In the context of electric vehicle batteries, consider the following elements:

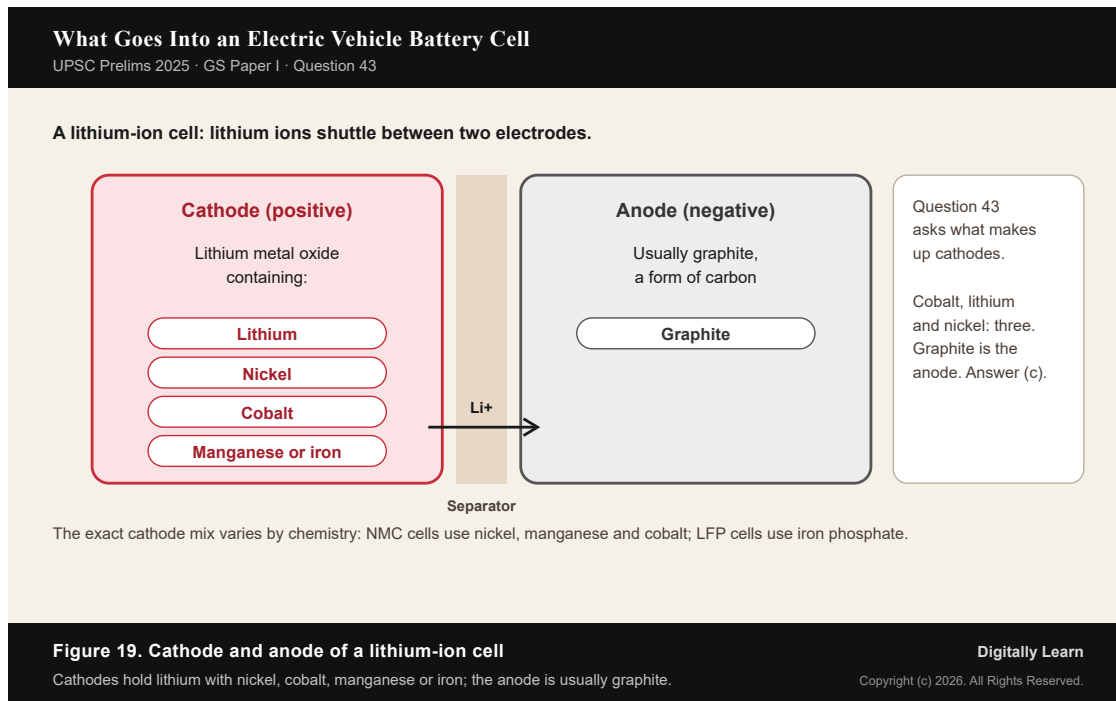
- I. Cobalt
- II. Graphite
- III. Lithium
- IV. Nickel

How many of the above usually make up battery cathodes?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All the four

Answer: (c) Only three

The cathode of a lithium-ion battery is usually a lithium metal oxide that contains nickel, cobalt and manganese or iron (for example NMC or NCA chemistries). So cobalt, lithium and nickel make up cathodes. Graphite is used in the anode, not the cathode. Three, answer (c).



How to crack it: Split the cell: cathode is a lithium metal oxide with nickel and cobalt; graphite is the anode. So three of the four.

44. Consider the following:

- I. Cigarette butts
- II. Eyeglass lenses
- III. Car tyres

How many of them contain plastic?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (c) All the three

All three contain plastic. Cigarette filters are made of cellulose acetate, a plastic; most eyeglass lenses today are polycarbonate or other plastics; and car tyres contain synthetic rubber and other polymers and shed microplastics. Answer (c).

How to crack it: Think of what each is made of: cellulose acetate filters, polycarbonate lenses, synthetic rubber in tyres. All three contain plastic.

45. Consider the following substances:

- I. Ethanol
- II. Nitroglycerine
- III. Urea

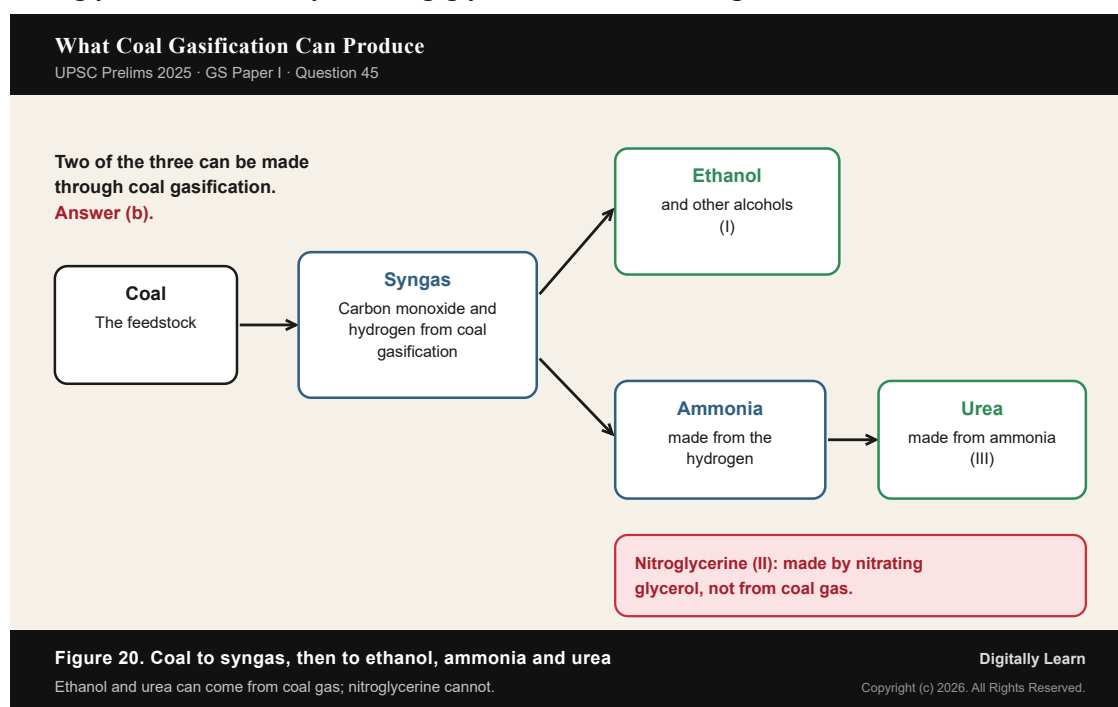
Coal gasification technology can be used in the production of how many of them?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (b) Only two

Coal gasification turns coal into syngas (carbon monoxide and hydrogen). Syngas can be converted into ethanol and other alcohols, and its hydrogen makes ammonia, from which urea is produced.

Nitroglycerine is made by nitrating glycerol, not from coal gas. Two of the three, answer (b).



How to crack it: Follow syngas: carbon monoxide and hydrogen make alcohols, and hydrogen makes ammonia, then urea. Nitroglycerine comes from glycerol instead.

46. What is the common characteristic of the chemical substances generally known as CL-20, HMX and LLM-105, which are sometimes talked about in media?

- (a) These are alternatives to hydrofluorocarbon refrigerants
- (b) These are explosives in military weapons
- (c) These are high-energy fuels for cruise missiles
- (d) These are fuels for rocket propulsion

Answer: (b) These are explosives in military weapons

CL-20, HMX and LLM-105 are high-energy explosives used in military munitions; CL-20 and HMX are among the most powerful non-nuclear explosives. Answer (b).

How to crack it: HMX and CL-20 are well-known military explosives. When the named chemicals share one use, pick that shared use.

47. Consider the following statements:

- I. It is expected that Majorana 1 chip will enable quantum computing.
- II. Majorana 1 chip has been introduced by Amazon Web Services (AWS).
- III. Deep learning is a subset of machine learning.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (c) I and III only

Statement I is correct: Majorana 1 is a quantum computing chip built on topological qubits. Statement II is wrong: it was introduced by Microsoft in February 2025, not Amazon Web Services.

Statement III is correct: deep learning, which uses many-layered neural networks, is a subset of machine learning. Answer (c), I and III only.

How to crack it: Company attribution is the usual trap: Majorana 1 is Microsoft's chip, not Amazon's. Drop Statement II.

48. With reference to monoclonal antibodies, often mentioned in news, consider the following statements:

- I. They are man-made proteins.
- II. They stimulate immunological function due to their ability to bind to specific antigens.
- III. They are used in treating viral infections like that of Nipah virus.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (d) I, II and III

All three are correct. Monoclonal antibodies are laboratory-made proteins (I) that bind to one specific target antigen and so help the immune system act against it (II).

They are used against viral infections too: India's ICMR sourced a monoclonal antibody from Australia during the Nipah outbreaks in Kerala (III). Answer (d).

How to crack it: Monoclonal antibodies are lab-made proteins that bind one antigen, used against Nipah during Kerala's outbreaks. All three are true.

49. Consider the following statements:

- I. No virus can survive in ocean waters.
- II. No virus can infect bacteria.
- III. No virus can change the cellular transcriptional activity in host cells.

How many of the statements given above are correct?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (d) None

All three statements are false. Seawater is full of viruses, around ten million in a millilitre. Bacteriophages are viruses that infect bacteria. Many viruses change the gene activity (transcription) of the cells they infect. None is correct, answer (d).

How to crack it: 'No virus can...' is an absolute claim. Phages infect bacteria and seawater is full of viruses, so all three statements fail.

50. Consider the following statements:

- Statement I: Activated carbon is a good and an attractive tool to remove pollutants from effluent streams and to remediate contaminants from various industries.
- Statement II: Activated carbon exhibits a large surface area and a strong potential for adsorbing heavy metals.
- Statement III: Activated carbon can be easily synthesized from environmental wastes with high carbon content.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement II and Statement III are correct but only one of them explains Statement I
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct

Answer: (a) Both Statement II and Statement III are correct and both of them explain Statement I

Activated carbon has a very large internal surface area that adsorbs pollutants, including heavy metals (II), and it can be made cheaply from carbon-rich wastes such as coconut shells and farm residue (III).

Both explain why it is an attractive tool for cleaning industrial effluents (I). Answer (a).

How to crack it: Activated carbon works because of its huge surface area and cheap raw materials. Both reasons support its use, so both explain Statement I.

51. With reference to the Indian polity, consider the following statements:

- I. An Ordinance can amend any Central Act.
- II. An Ordinance can abridge a Fundamental Right.
- III. An Ordinance can come into effect from a back date.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (c) I and III only

Statement I is correct: an ordinance has the same force as an Act of Parliament, so it can amend or repeal any Central Act.

Statement II is wrong: an ordinance counts as 'law' under Article 13, so it cannot take away or abridge a Fundamental Right. Statement III is correct: an ordinance can be made retrospective, taking effect from an earlier date. Answer (c), I and III only.

How to crack it: An ordinance is 'law' under Article 13, so it cannot abridge a Fundamental Right. It can amend Acts and be retrospective.

52. Consider the following pairs:

	State	Description
I.	Arunachal Pradesh	The capital is named after a fort, and the State has two National Parks
II.	Nagaland	The State came into existence on the basis of a Constitutional Amendment Act
III.	Tripura	Initially a Part 'C' State, it became a centrally administered territory with the reorganization of States in 1956 and later attained the status of a full-fledged State

How many of the above pairs are correctly matched?

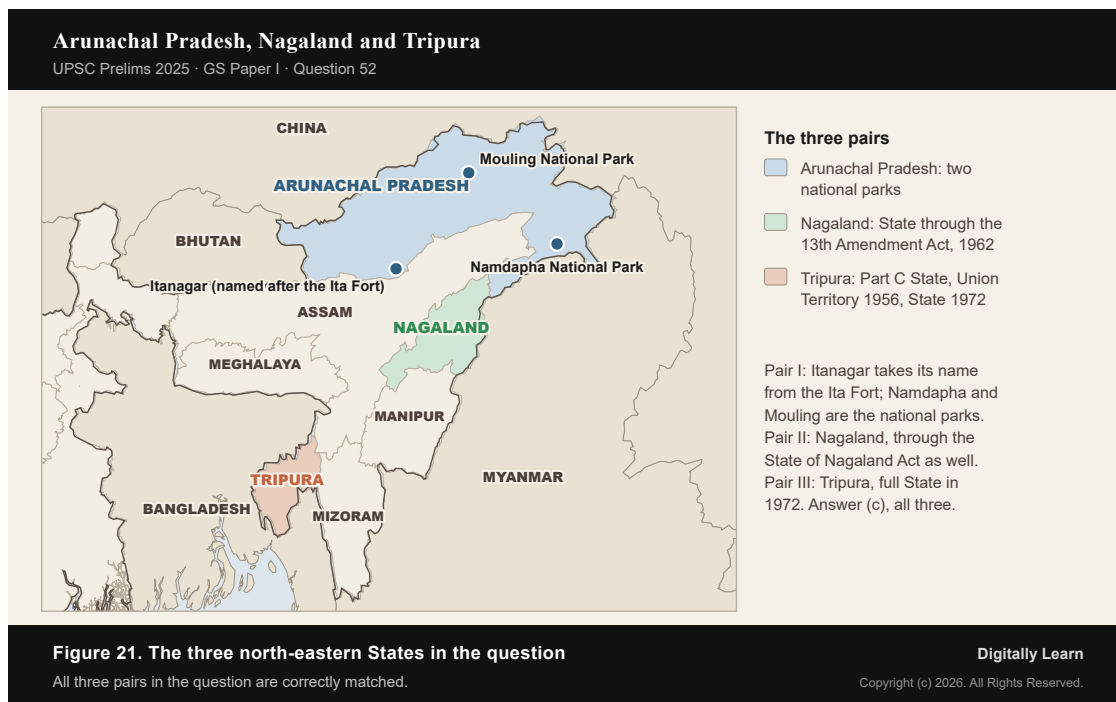
- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (c) All the three

All three pairs are correct. Itanagar takes its name from the Ita Fort, and Arunachal Pradesh has two national parks, Namdapha and Mouling (I).

Nagaland became a State through the Constitution (Thirteenth Amendment) Act, 1962 and the State of Nagaland Act (II). Tripura was a Part C State, became a Union Territory in 1956 and a full State in 1972 (III).

Answer (c).



How to crack it: When each pair is a textbook fact about a north-eastern State (Ita Fort, 1962 amendment, statehood 1972), check each; here none is off.

53. With reference to India, consider the following:

- I. The Inter-State Council
- II. The National Security Council
- III. Zonal Councils

How many of the above were established as per the provisions of the Constitution of India?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (a) Only one

Only the Inter-State Council was set up under the Constitution: Article 263 lets the President establish it, which was done in 1990.

The National Security Council is an executive body set up by government order in 1998, and the Zonal Councils are statutory bodies under the States Reorganisation Act, 1956. Answer (a), only one.

Constitutional, Executive and Statutory Councils
UPSC Prelims 2025 · GS Paper I · Question 53

Constitutional	Executive	Statutory
Inter-State Council: Article 263 lets the President establish it; done in 1990.	National Security Council: set up by government order in 1998.	Zonal Councils: under the States Reorganisation Act, 1956.

Answer (a), only one.

Figure 22. How each of the three councils was set up
Only the Inter-State Council comes from the Constitution.

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How to crack it: Sort bodies by origin: constitutional (Article), statutory (Act) or executive (order). Only the Inter-State Council has an Article, 263.

54. Consider the following statements:

- I. The Constitution of India explicitly mentions that in certain spheres the Governor of a State acts in his/her own discretion.
- II. The President of India can, of his/her own, reserve a bill passed by a State Legislature for his/her consideration without it being forwarded by the Governor of the State concerned.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (a) I only

Statement I is correct: Article 163(1) speaks of functions the Governor exercises 'in his discretion', and other articles (such as the Sixth Schedule provisions) name such areas.

Statement II is wrong: under Article 200 it is the Governor who reserves a State Bill for the President. The President cannot reach down and reserve a State Bill on his or her own. Answer (a), I only.

How to crack it: Reservation of a State Bill is the Governor's act under Article 200. The President cannot reach down and reserve it.

55. Consider the following pairs:

	Provision in the Constitution of India	Stated under
I.	Separation of Judiciary from the Executive in the public services of the State	The Directive Principles of State Policy
II.	Valuing and preserving the rich heritage of our composite culture	The Fundamental Duties
III.	Prohibition of employment of children below the age of 14 years in factories	The Fundamental Rights

How many of the above pairs are correctly matched?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (c) All the three

All three pairs are correct. Separating the judiciary from the executive is a Directive Principle (Article 50).

Valuing and preserving the heritage of our composite culture is a Fundamental Duty (Article 51A(f)).

Banning the employment of children below 14 in factories, mines and hazardous work is a Fundamental Right against exploitation (Article 24). Answer (c).

Directive Principle, Fundamental Duty and Fundamental Right
UPSC Prelims 2025 · GS Paper I · Question 55

Directive Principle
Separate the judiciary from the executive (Article 50).

Fundamental Duty
Value and preserve the heritage of our composite culture (Article 51A(f)).

Fundamental Right
No child below 14 in factories, mines or hazardous work: right against exploitation (Article 24).

All three pairs are correct. Answer (c).

Figure 23. The three provisions in the question and where they sit
Each item in the question sits in the part of the Constitution it is paired with.

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How to crack it: Place each item in its Part: Article 50 is a Directive Principle, 51A a Fundamental Duty, 24 a Fundamental Right. All match.

56. With reference to the Constitution of India, if an area in a State is declared as Scheduled Area under the Fifth Schedule

- I. the State Government loses its executive power in such areas and a local body assumes total administration
- II. the Union Government can take over the total administration of such areas under certain circumstances on the recommendations of the Governor

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (d) Neither I nor II

Neither is correct. Declaring a Scheduled Area does not take away the State's executive power: the State continues to govern the area, while the Governor can modify laws for it and must report to the President. The Union can give directions to the State about administering Scheduled Areas, but the Fifth Schedule does not let it take over their entire administration. Answer (d).

How to crack it: A Scheduled Area stays under the State's executive power. Options claiming the State or the Union takes total control are both overstatements.

57. With reference to India, consider the following pairs:

	Organization	Union Ministry
I.	The National Automotive Board	Ministry of Commerce and Industry
II.	The Coir Board	Ministry of Heavy Industries
III.	The National Centre for Trade Information	Ministry of Micro, Small and Medium Enterprises

How many of the above pairs are correctly matched?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (d) None

None of the pairs is correct. The National Automotive Board works under the Ministry of Heavy Industries, the Coir Board under the Ministry of Micro, Small and Medium Enterprises, and the National Centre for Trade Information under the Ministry of Commerce and Industry. The ministries have been shuffled. Answer (d).

How to crack it: Ministry-matching rows are often all shuffled. Check each body's parent: Automotive Board to Heavy Industries, Coir Board to MSME.

58. Consider the following subjects under the Constitution of India:

- I. List I-Union List, in the Seventh Schedule
- II. Extent of the executive power of a State
- III. Conditions of the Governor's office

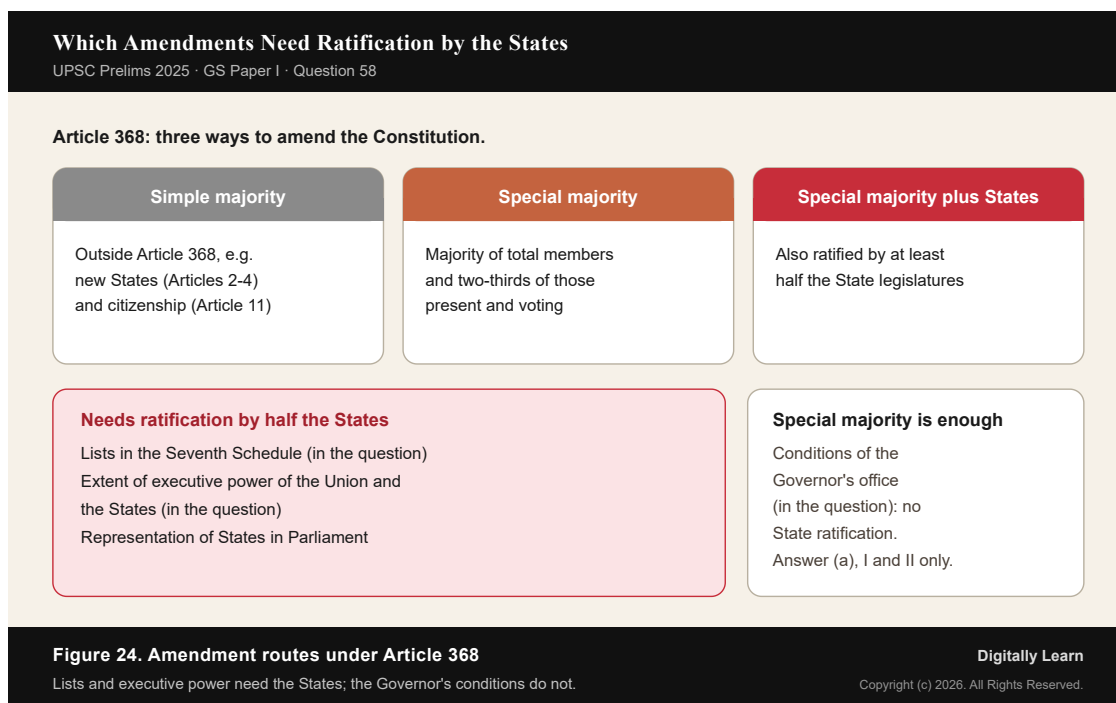
For a constitutional amendment with respect to which of the above, ratification by the Legislatures of not less than one-half of the States is required before presenting the bill to the President of India for assent?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (a) I and II only

Under the proviso to Article 368(2), an amendment touching the lists in the Seventh Schedule, or the extent of the executive power of the Union and the States, needs ratification by at least half of the State legislatures. So I and II need it.

The conditions of the Governor's office (Article 158) are not on that list. Answer (a), I and II only.



How to crack it: Recall the Article 368 list needing State ratification: the Seventh Schedule lists and the executive power of Union and States. The Governor's conditions are not on it.

59. With reference to the Indian polity, consider the following statements:

- I. The Governor of a State is not answerable to any court for the exercise and performance of the powers and duties of his/her office.
- II. No criminal proceedings shall be instituted or continued against the Governor during his/her term of office.
- III. Members of a State Legislature are not liable to any proceedings in any court in respect of anything said within the House.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (d) I, II and III

All three are correct. Under Article 361 the Governor is not answerable to any court for acts done in office (I) and no criminal proceedings can be started or continued against the Governor during the term (II).

Under Article 194(2), members of a State Legislature cannot be taken to court for anything said in the House (III). Answer (d).

How to crack it: Article 361 protects the Governor from courts and criminal proceedings; Article 194 protects what legislators say in the House. All three hold.

60. Consider the following activities:

- I. Production of crude oil
- II. Refining, storage and distribution of petroleum
- III. Marketing and sale of petroleum products
- IV. Production of natural gas

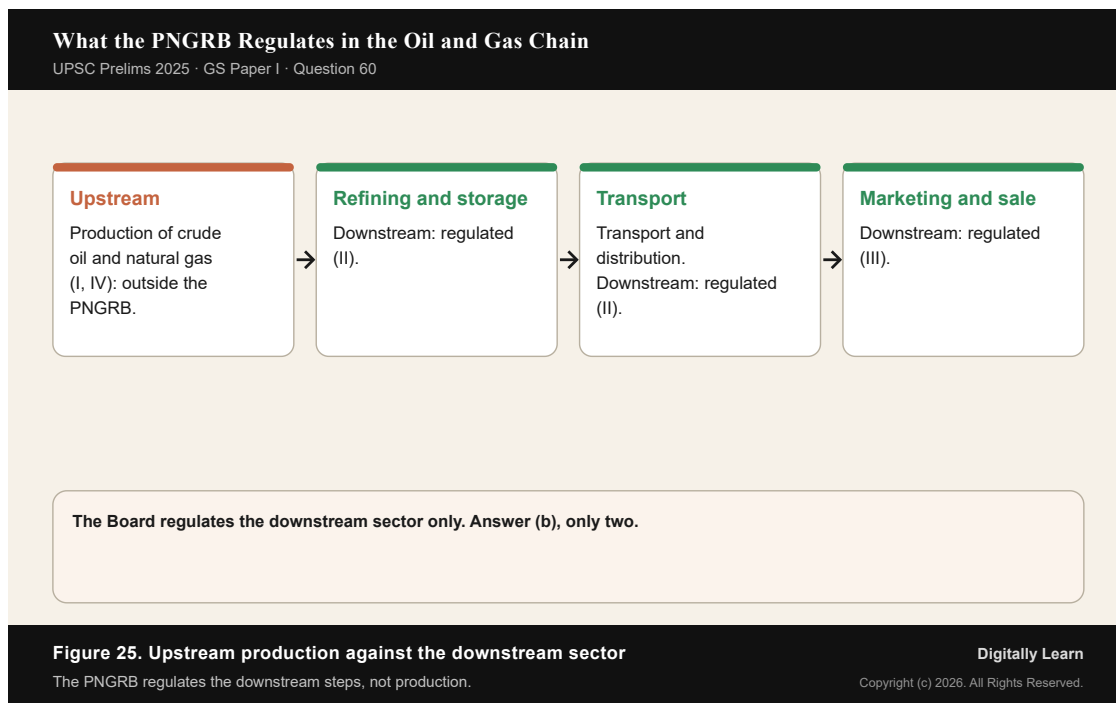
How many of the above activities are regulated by the Petroleum and Natural Gas Regulatory Board in our country?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All the four

Answer: (b) Only two

The Petroleum and Natural Gas Regulatory Board regulates the downstream sector: refining, storage, transport, distribution, marketing and sale of petroleum products and natural gas (II and III).

Production of crude oil and natural gas is upstream and outside its remit. Two, answer (b).



How to crack it: Split upstream (production) from downstream (refining, marketing). The PNGRB is a downstream regulator, so production is outside it.

61. Suppose the revenue expenditure is Rs 80,000 crores and the revenue receipts of the Government are Rs 60,000 crores. The Government budget also shows borrowings of Rs 10,000 crores and interest payments of Rs 6,000 crores. Which of the following statements are correct?

- I. Revenue deficit is Rs 20,000 crores.
- II. Fiscal deficit is Rs 10,000 crores.
- III. Primary deficit is Rs 4,000 crores.

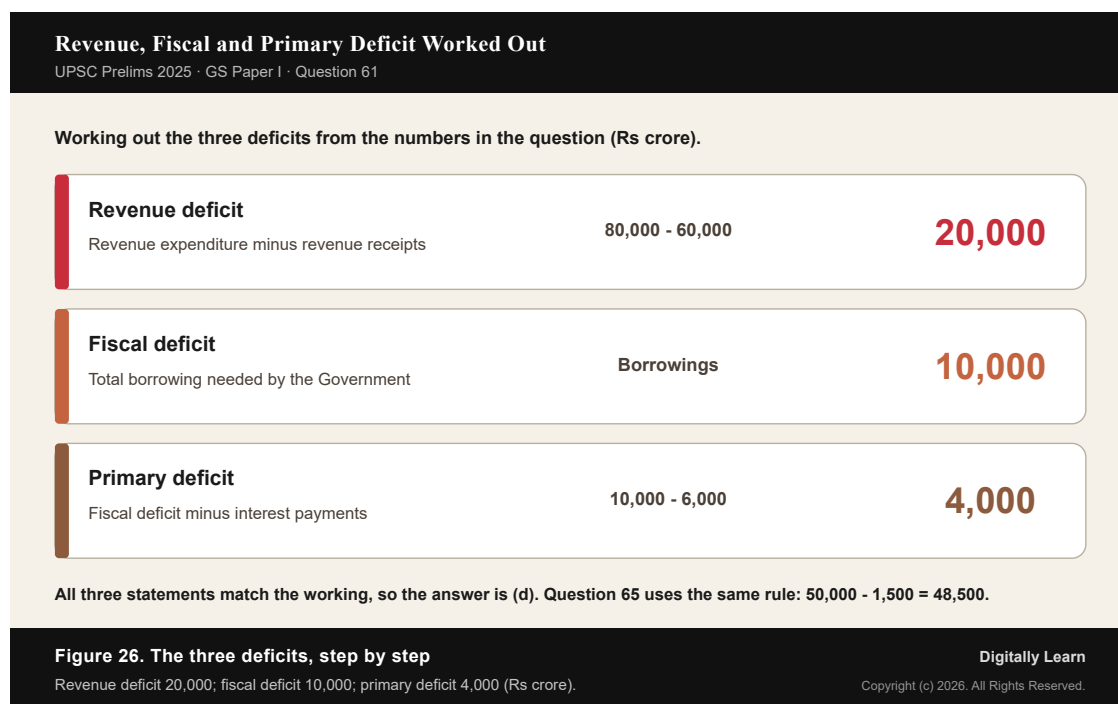
Select the correct answer using the code given below.

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (d) I, II and III

Revenue deficit = revenue expenditure minus revenue receipts = 80,000 minus 60,000 = Rs 20,000 crore (I correct).

Fiscal deficit equals the Government's borrowing = Rs 10,000 crore (II correct). Primary deficit = fiscal deficit minus interest payments = 10,000 minus 6,000 = Rs 4,000 crore (III correct). Answer (d).



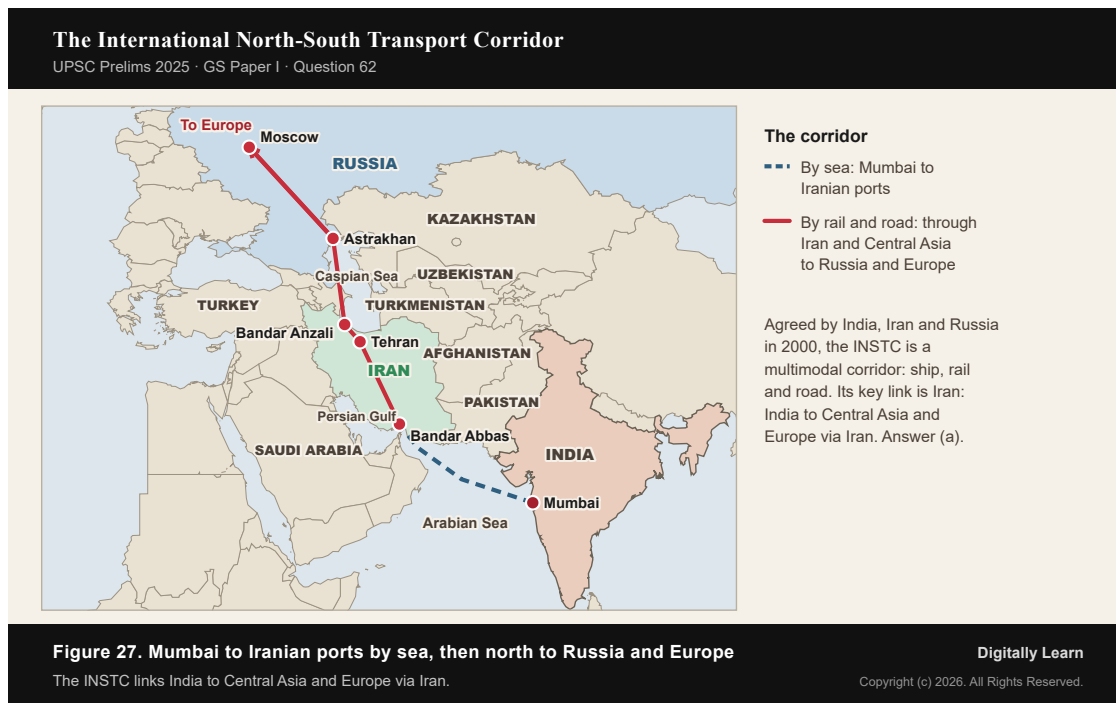
How to crack it: Use the formulas: revenue deficit = revenue expenditure minus receipts; fiscal deficit = borrowing; primary = fiscal minus interest. Work each out.

62. India is one of the founding members of the International North-South Transport Corridor (INSTC), a multimodal transportation corridor, which will connect

- (a) India to Central Asia to Europe via Iran
- (b) India to Central Asia via China
- (c) India to South-East Asia through Bangladesh and Myanmar
- (d) India to Europe through Azerbaijan

Answer: (a) India to Central Asia to Europe via Iran

The International North-South Transport Corridor, agreed by India, Iran and Russia in 2000, links Mumbai by sea to Iranian ports and then by rail and road through Iran and Central Asia to Russia and Europe. Answer (a).



How to crack it: The corridor's name says north-south. Iran is the key link between India and Russia, so pick the option that routes via Iran.

63. Consider the following statements:

Statement I: Of the two major ethanol producers in the world, i.e., Brazil and the United States of America, the former produces more ethanol than the latter.

Statement II: Unlike in the United States of America where corn is the principal feedstock for ethanol production, sugarcane is the principal feedstock for ethanol production in Brazil.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

Answer: (d) Statement I is not correct but Statement II is correct

Statement I is wrong: the United States is the world's largest ethanol producer, well ahead of Brazil.

Statement II is correct: American ethanol is made mainly from corn (maize), while Brazil makes it mainly from sugarcane. Answer (d).

How to crack it: Know the leaders: the United States makes the most ethanol, from corn; Brazil from sugarcane. Statement I ranks them wrongly.

64. The World Bank warned that India could become one of the first places where wet-bulb temperatures routinely exceed 35°C. Which of the following statements best reflect(s) the implication of the above-said report?

- I. Peninsular India will most likely suffer from flooding, tropical cyclones and droughts.
- II. The survival of animals including humans will be affected as shedding of their body heat through perspiration becomes difficult.

Select the correct answer using the code given below.

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (c) Both I and II

Both are correct. A wet-bulb temperature of 35 degrees Celsius is about the limit of human survival, because sweat can no longer cool the body when the air is that hot and humid (II).

The World Bank's 2022 report on India's cooling sector links such heat to wider climate stress, and peninsular India already faces floods, cyclones and droughts that heat will worsen (I). Answer (c).

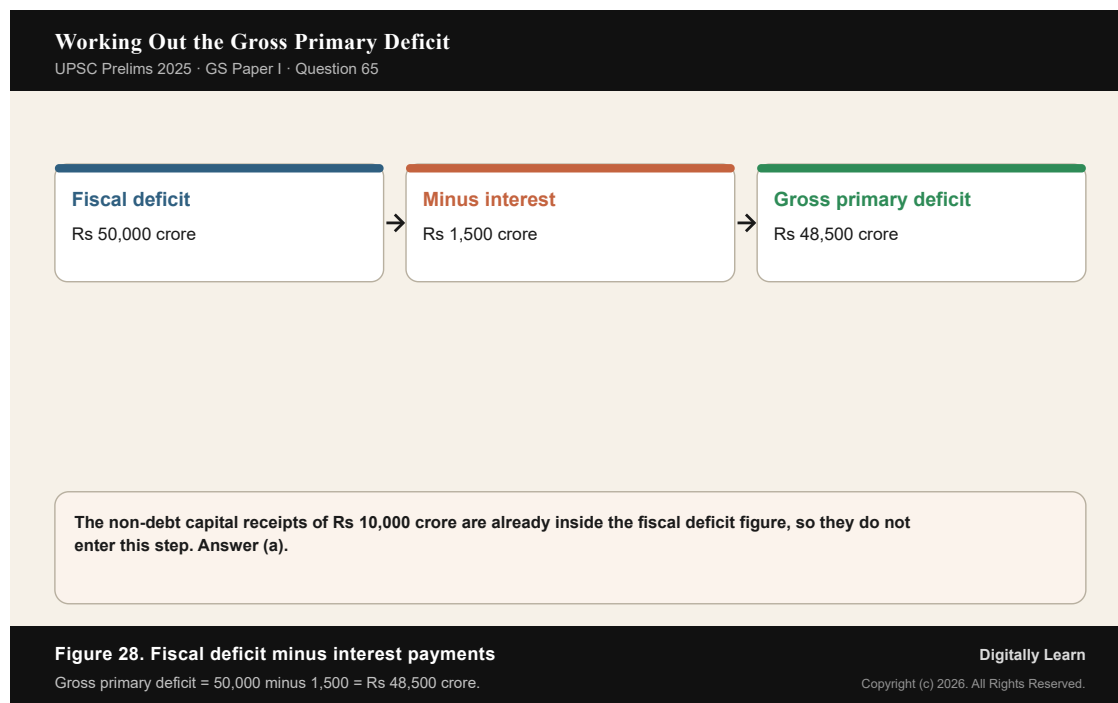
How to crack it: A wet-bulb of 35 degrees Celsius is the survival limit because sweat cannot cool the body. Both implications follow.

65. A country's fiscal deficit stands at Rs 50,000 crores. It is receiving Rs 10,000 crores through non-debt creating capital receipts. The country's interest liabilities are Rs 1,500 crores. What is the gross primary deficit?

- (a) Rs 48,500 crores
- (b) Rs 51,500 crores
- (c) Rs 58,500 crores
- (d) None of the above

Answer: (a) Rs 48,500 crores

Gross primary deficit = fiscal deficit minus interest payments = 50,000 minus 1,500 = Rs 48,500 crore. The non-debt capital receipts are already inside the fiscal deficit figure, so they do not enter this step. Answer (a).



How to crack it: Primary deficit strips out only interest. Do not subtract non-debt receipts; they are already inside the fiscal deficit.

66. Which of the following statements with regard to recommendations of the 15th Finance Commission of India are correct?

- I. It has recommended grants of Rs 4,800 crores from the year 2022-23 to the year 2025-26 for incentivizing States to enhance educational outcomes.
- II. 45% of the net proceeds of Union taxes are to be shared with States.
- III. Rs 45,000 crores are to be kept as performance-based incentive for all States for carrying out agricultural reforms.
- IV. It reintroduced tax effort criteria to reward fiscal performance.

Select the correct answer using the code given below.

- (a) I, II and III
- (b) I, II and IV
- (c) I, III and IV
- (d) II, III and IV

Answer: (c) I, III and IV

Statement I is correct: the 15th Finance Commission recommended Rs 4,800 crore from 2022-23 to 2025-26 to reward States for better educational outcomes.

Statement II is wrong: it set the States' share of the divisible pool of Union taxes at 41 per cent, not 45.

Statement III is correct: Rs 45,000 crore was set aside as performance incentive for agricultural reforms.

Statement IV is correct: it brought back a tax-effort criterion in the devolution formula. Answer (c).

How to crack it: Remember the headline number: the 15th Finance Commission gave States 41 per cent, not 45. That knocks out II.

67. Consider the following statements in respect of the International Bank for Reconstruction and Development (IBRD):

- I. It provides loans and guarantees to middle income countries.
- II. It works single-handedly to help developing countries to reduce poverty.
- III. It was established to help Europe rebuild after the World War II.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (c) I and III only

Statement I is correct: the IBRD lends to middle-income and creditworthy lower-income countries and gives guarantees.

Statement II is wrong: it works together with the International Development Association and the rest of the World Bank Group and with other partners, not single-handedly. Statement III is correct: it was set up in 1944 to help rebuild Europe after the Second World War. Answer (c).

How to crack it: 'Single-handedly' is an absolute word. The IBRD works within the World Bank Group, so Statement II is false.

68. Consider the following statements in respect of RTGS and NEFT:

- I. In RTGS, the settlement time is instantaneous while in case of NEFT, it takes some time to settle payments.
- II. In RTGS, the customer is charged for inward transactions while that is not the case for NEFT.
- III. Operating hours for RTGS are restricted on certain days while this is not true for NEFT.

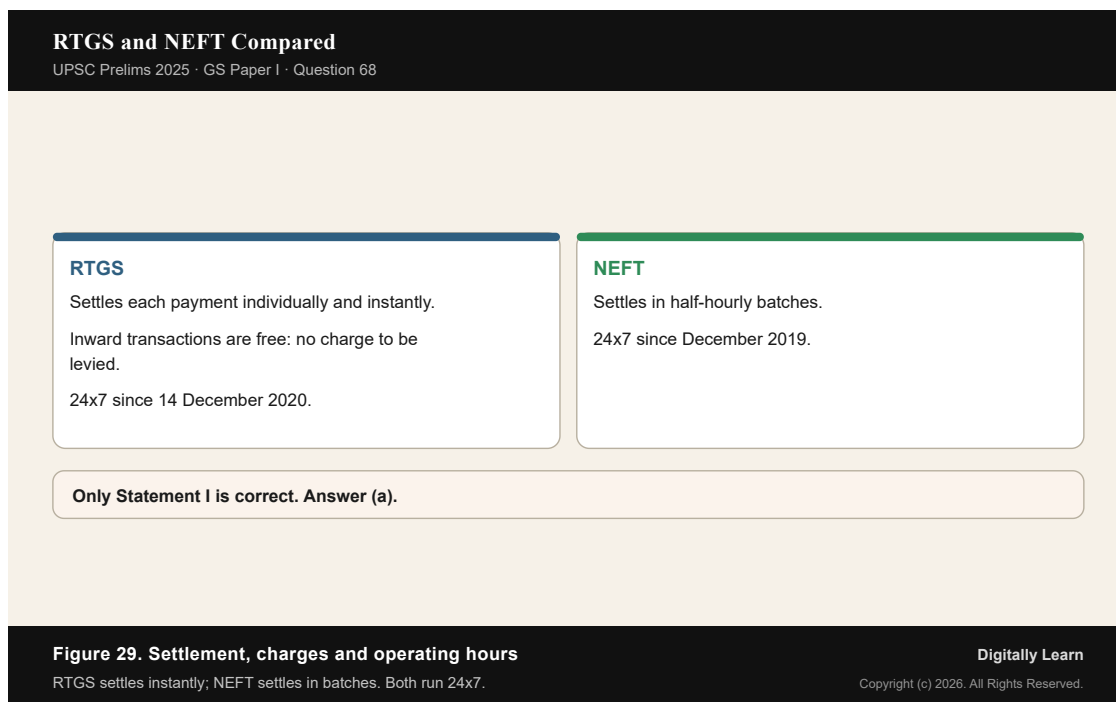
Which of the statements given above is/are correct?

- (a) I only
- (b) I and II
- (c) I and III
- (d) III only

Answer: (a) I only

Statement I is correct: RTGS settles each payment individually and instantly, while NEFT settles in half-hourly batches.

Statement II is wrong: under the RBI's framework, inward RTGS transactions are free, with no charge to be levied. Statement III is wrong: NEFT has run 24x7 since December 2019 and RTGS since 14 December 2020, so neither is restricted to certain days. Answer (a), I only.



How to crack it: RTGS settles each payment instantly; NEFT settles in batches. Both have run 24x7 for years, so any 'certain days' claim fails.

69. Consider the following countries:

- I. United Arab Emirates
- II. France
- III. Germany
- IV. Singapore
- V. Bangladesh

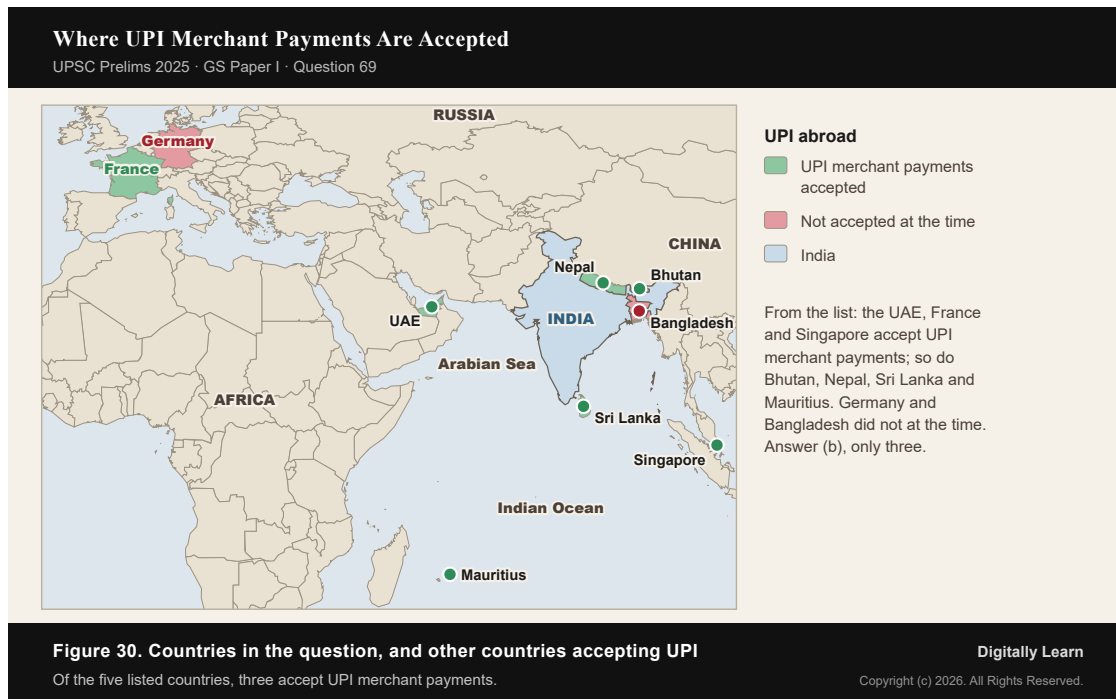
How many countries amongst the above are there other than India where international merchant payments are accepted under UPI?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) All the five

Answer: (b) Only three

UPI merchant payments are accepted in the UAE, France and Singapore among the listed countries (along with Bhutan, Nepal, Sri Lanka and Mauritius).

Germany and Bangladesh did not accept UPI merchant payments at the time. Three, answer (b).



How to crack it: List the countries you know accept UPI (UAE, France, Singapore). Germany and Bangladesh were not on that list, so the count is three.

70. Consider the following statements about 'PM Surya Ghar Muft Bijli Yojana':

- I. It targets installation of one crore solar rooftop panels in the residential sector.
- II. The Ministry of New and Renewable Energy aims to impart training on installation, operation, maintenance and repairs of solar rooftop systems at grassroot levels.
- III. It aims to create more than three lakhs' skilled manpower through fresh skilling, and up-skilling, under scheme component of capacity building.

Which of the statements given above are correct?

- (a) I and II only
- (b) I and III only
- (c) II and III only
- (d) I, II and III

Answer: (d) I, II and III

All three are correct. PM Surya Ghar Muft Bijli Yojana (2024) aims to put rooftop solar on one crore homes (I). Its capacity-building component, run through the Ministry of New and Renewable Energy, trains people at the grassroots to install and maintain rooftop systems (II), aiming at more than three lakh skilled workers (III). Answer (d).

How to crack it: When every statement repeats a scheme's own target (one crore homes, training, skilled workers), 'all three' is the choice.

71. "Sedition has become my religion" was the famous statement given by Gandhiji at the time of

- (a) the Champaran Satyagraha
- (b) publicly violating Salt Law at Dandi
- (c) attending the Second Round Table Conference in London
- (d) the launch of the Quit India Movement

Answer: (b) publicly violating Salt Law at Dandi

UPSC's key gives (b). Gandhi made the remark during the Salt Satyagraha of 1930, when defying the salt law was itself an offence against the colonial state and he openly invited arrest for it.

How to crack it: Link the words to the act: defying the salt law was itself an offence against the colonial state. That points to Dandi.

72. The famous female figurine known as 'Dancing Girl', found at Mohenjo-daro, is made of

- (a) carnelian
- (b) clay
- (c) bronze
- (d) gold

Answer: (c) bronze

The Dancing Girl of Mohenjo-daro (about 2300 to 1750 BCE) is a small bronze statue made by the lost-wax method. It is now in the National Museum, New Delhi. Answer (c).

How to crack it: The Dancing Girl is the famous lost-wax bronze. Any other material in the options is a distractor.

Remember: The Harappans cast bronze by the lost-wax (cire perdue) technique, and the Dancing Girl is its best-known example.

73. Who provided legal defence to the people arrested in the aftermath of Chauri Chaura incident?

- (a) C. R. Das
- (b) Madan Mohan Malaviya and Krishna Kant
- (c) Dr. Saifuddin Kitchlew and Khwaja Hasan Nizami
- (d) M. A. Jinnah

Answer: (b) Madan Mohan Malaviya and Krishna Kant

UPSC's key gives (b). After the Chauri Chaura incident of February 1922, in which a police station was set on fire and 22 policemen were killed, Madan Mohan Malaviya returned to the courtroom, which he had long left, to defend the accused. In the end 19 of those condemned to death were hanged.

How to crack it: Chauri Chaura 1922: Madan Mohan Malaviya returned to court to defend the accused. Remember the lawyer with the case.

74. Subsequent to which one of the following events, Gandhiji, who consistently opposed untouchability and appealed for its eradication from all spheres, decided to include the upliftment of 'Harijans' in his political and social programme?

- (a) The Poona Pact
- (b) The Gandhi-Irwin Agreement (Delhi Pact)
- (c) Arrest of Congress leadership at the time of the Quit India Movement
- (d) Promulgation of the Government of India Act, 1935

Answer: (a) The Poona Pact

After the Poona Pact of September 1932, Gandhi made the removal of untouchability a central part of his work: he founded the Harijan Sevak Sangh, started the weekly Harijan and toured the country for the cause. Answer (a).

How to crack it: The Poona Pact of 1932 came first; the Harijan Sevak Sangh and the weekly Harijan followed. Sequence gives the answer.

75. Consider the following fruits:

- I. Papaya
- II. Pineapple
- III. Guava

How many of the above were introduced in India by the Portuguese in the sixteenth and seventeenth centuries?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (c) All the three

All three fruits came from the Americas and reached India with the Portuguese in the sixteenth and seventeenth centuries: papaya, pineapple and guava. Answer (c).

How to crack it: All three fruits came from the Americas, so they must have arrived with a European sea power. The Portuguese introduced them.

76. Consider the following countries:

- I. United Kingdom
- II. Denmark
- III. New Zealand
- IV. Australia
- V. Brazil

How many of the above countries have more than four time zones?

- (a) All the five
- (b) Only four
- (c) Only three
- (d) Only two

Answer: (b) Only four

Counting overseas territories, the United Kingdom, Denmark (with Greenland and the Faroe Islands), New Zealand (with its Pacific territories) and Australia (with its external territories) each span more than four time zones.

Brazil has exactly four, so it does not qualify. Four countries, answer (b).

How to crack it: Overseas territories add time zones. Brazil has exactly four, so it fails 'more than four'.

77. Consider the following statements:

- I. Anadyr in Siberia and Nome in Alaska are a few kilometers from each other, but when people are waking up and getting set for breakfast in these cities, it would be different days.
- II. When it is Monday in Anadyr, it is Tuesday in Nome.

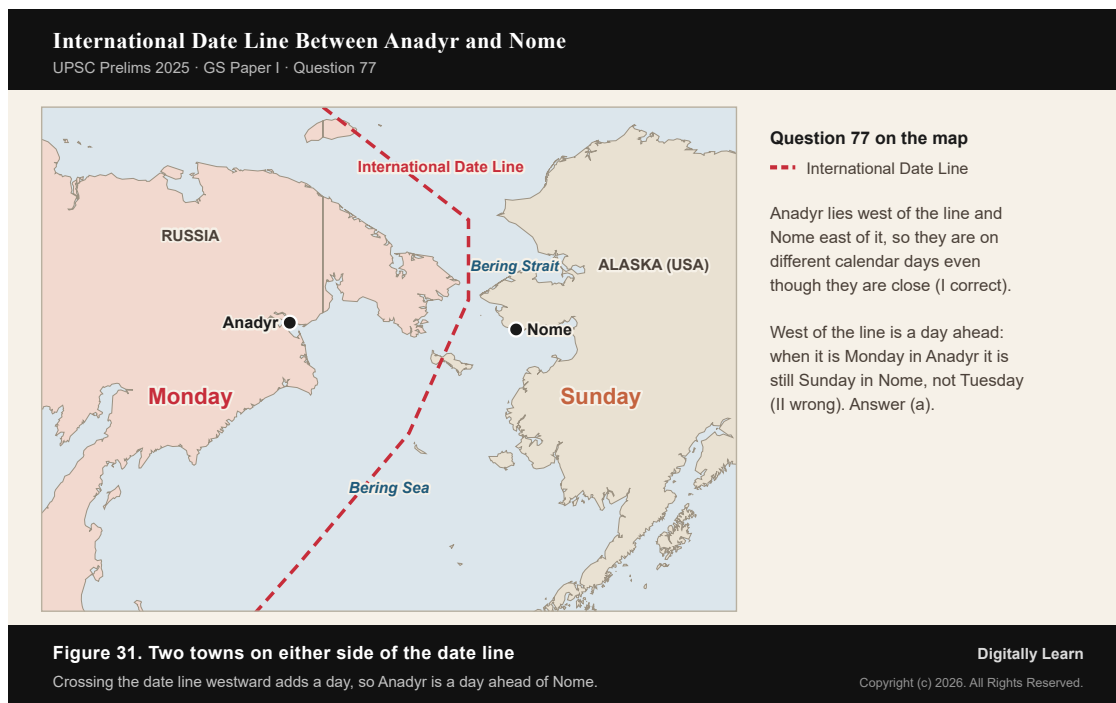
Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (a) I only

Statement I is correct: Anadyr in Russia and Nome in Alaska are close together but on opposite sides of the International Date Line, so they are on different calendar days.

Statement II is wrong: crossing the date line westward adds a day, so Anadyr is ahead. When it is Monday in Anadyr it is still Sunday in Nome. Answer (a), I only.



How to crack it: Crossing the date line westward adds a day. Anadyr is west of the line, so it is ahead of Nome, not behind.

78. Who among the following was the founder of the 'Self-Respect Movement'?

- (a) 'Periyar' E. V. Ramaswamy Naicker
- (b) Dr. B. R. Ambedkar
- (c) Bhaskarrao Jadhav
- (d) Dinkarrao Javalkar

Answer: (a) 'Periyar' E. V. Ramaswamy Naicker

E. V. Ramasamy, known as Periyar, founded the Self-Respect Movement in 1925 in Tamil Nadu to fight caste discrimination and Brahminical dominance. Answer (a).

How to crack it: Self-Respect Movement, 1925, Tamil Nadu: Periyar. Tie the movement to the region and the name follows.

79. Consider the following pairs:

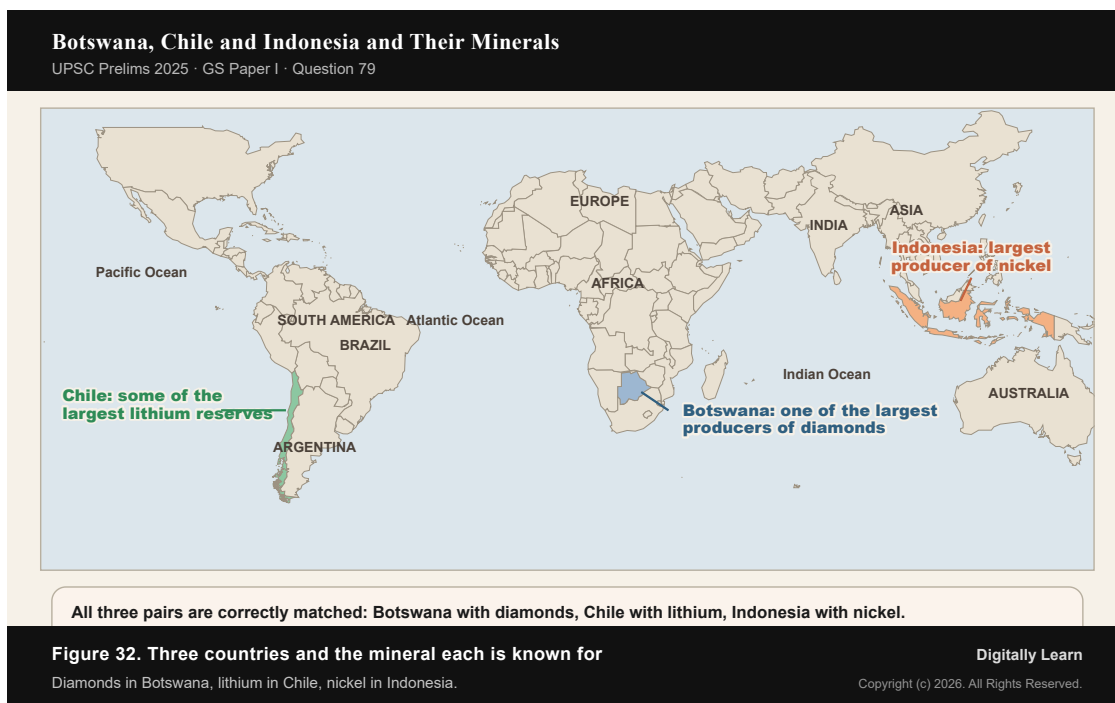
	Country	Resource-rich in
I.	Botswana	Diamond
II.	Chile	Lithium
III.	Indonesia	Nickel

In how many of the above rows is the given information correctly matched?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (c) All the three

All three pairs are correct. Botswana is one of the world's largest producers of diamonds, Chile holds some of the largest lithium reserves, and Indonesia is the world's largest producer of nickel. Answer (c).



How to crack it: Mineral-country pairs: Botswana diamonds, Chile lithium, Indonesia nickel. All three are standard matches.

80. Consider the following pairs:

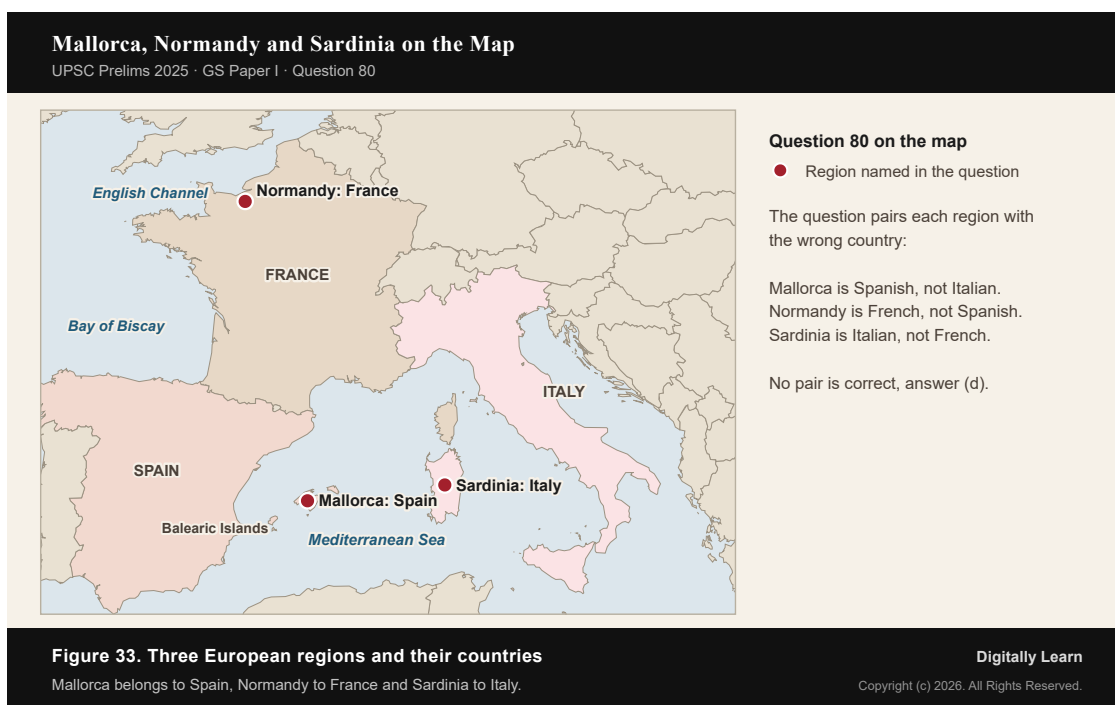
	Region	Country
I.	Mallorca	Italy
II.	Normandy	Spain
III.	Sardinia	France

In how many of the above rows is the given information correctly matched?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (d) None

None is correct. Mallorca is a Spanish island in the Balearics, Normandy is a region of France, and Sardinia is an Italian island. The countries have been swapped around. Answer (d).



How to crack it: Place each region on the map: Mallorca Spain, Normandy France, Sardinia Italy. The question swapped them all.

81. Consider the following statements:

Statement I: Some rare earth elements are used in the manufacture of flat television screens and computer monitors.

Statement II: Some rare earth elements have phosphorescent properties.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

Answer: (a) Both Statement I and Statement II are correct and Statement II explains Statement I

Both are correct, and II explains I. Rare earth elements such as europium and terbium are phosphors: they glow in precise colours when energised, which is why they are used in display screens and monitors. Answer (a).

How to crack it: Rare earths such as europium glow in precise colours; that is why screens use them. II explains I.

82. Consider the following statements:

I. Indian Railways have prepared a National Rail Plan (NRP) to create a 'future ready' railway system by 2028.

II. 'Kavach' is an Automatic Train Protection system developed in collaboration with Germany.

III. 'Kavach' system consists of RFID tags fitted on track in station section.

Which of the statements given above are not correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (a) I and II only

The question asks which statements are NOT correct.

Statement I is not correct: the National Rail Plan aims at a 'future ready' railway system by 2030, not 2028.

Statement II is not correct: Kavach was developed indigenously by the Research Designs and Standards Organisation with Indian firms, not with Germany.

Statement III is correct: Kavach uses RFID tags fitted on the track. So I and II are not correct, answer (a).

How to crack it: The question asks which are NOT correct. Kavach is indigenous (RDSO) and the Rail Plan targets 2030, so I and II are the wrong ones.

83. Consider the following space missions:

- I. Axiom-4
- II. SpaDeX
- III. Gaganyaan

How many of the space missions given above encourage and support microgravity research?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (b) Only two

UPSC's key gives (b), two of the three. Axiom-4 (2025) flew a crew, including India's Shubhanshu Shukla, to the International Space Station to run microgravity experiments, and Gaganyaan, India's human spaceflight programme, is planned to carry microgravity experiments too.

SpaDeX (Space Docking Experiment) was mainly a demonstration of docking two satellites in orbit.

How to crack it: UPSC's key counts microgravity research missions: Axiom-4 and Gaganyaan. SpaDeX was mainly a docking demonstration.

84. With reference to India's defence, consider the following pairs:

	Aircraft type	Description
I.	Dornier-228	Maritime patrol aircraft
II.	IL-76	Supersonic combat aircraft
III.	C-17 Globemaster III	Military transport aircraft

How many of the pairs given above are correctly matched?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

Answer: (b) Only two

The Dornier 228 is used by the Indian Navy and Coast Guard for maritime patrol, so pair I is correct. The C-17 Globemaster III is a heavy military transport aircraft, so pair III is correct.

The IL-76 is a four-engine military transport aircraft, not a supersonic combat aircraft, so pair II is wrong. Two pairs, answer (b).

How to crack it: Know aircraft roles: the IL-76 is a transport aircraft, not a supersonic fighter. That removes pair II.

85. Artificial way of causing rainfall to reduce air pollution makes use of

- (a) silver iodide and potassium iodide
- (b) silver nitrate and potassium iodide
- (c) silver iodide and potassium nitrate
- (d) silver nitrate and potassium chloride

Answer: (a) silver iodide and potassium iodide

Cloud seeding sprays substances that give water droplets or ice crystals something to form on. The common agents are silver iodide and potassium iodide (with salt and dry ice in some methods). Answer (a).

How to crack it: Cloud seeding agents are iodides: silver iodide and potassium iodide. Nitrates and chlorides are distractors.

86. Consider the following statements with regard to pardoning power of the President of India:

- I. The exercise of this power by the President can be subjected to limited judicial review.
- II. The President can exercise this power without the advice of the Central Government.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (a) I only

Statement I is correct: the President's pardoning power under Article 72 is open to limited judicial review, for example if a decision is arbitrary, mala fide or made without considering the relevant material, as the Supreme Court held in *Epuru Sudhakar* (2006).

Statement II is wrong: the President exercises this power on the advice of the Council of Ministers. Answer (a), I only.

How to crack it: Pardoning power is exercised on ministerial advice, and courts review it only on narrow grounds. Keep I, drop II.

87. Consider the following statements:

- I. On the dissolution of the House of the People, the Speaker shall not vacate his/her office until immediately before the first meeting of the House of the People after the dissolution.
- II. According to the provisions of the Constitution of India, a Member of the House of the People on being elected as Speaker shall resign from his/her political party immediately.
- III. The Speaker of the House of the People may be removed from his/her office by a resolution of the House of the People passed by a majority of all the then Members of the House, provided that no resolution shall be moved unless at least fourteen days' notice has been given of the intention to move the resolution.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (c) I and III only

Statement I is correct: under Article 94, when the Lok Sabha is dissolved the Speaker stays in office until just before the first meeting of the new House.

Statement II is wrong: the Constitution does not require a Speaker to resign from his or her party. Statement III is correct: Article 94(c) allows removal by a resolution passed by a majority of all the then members, after at least 14 days' notice. Answer (c), I and III only.

How to crack it: Article 94 keeps the Speaker in office until the new House meets; nothing requires resigning from the party. Drop II.

88. Consider the following statements:

- I. If any question arises as to whether a Member of the House of the People has become subject to disqualification under the 10th Schedule, the President's decision in accordance with the opinion of the Council of Union Ministers shall be final.
- II. There is no mention of the word 'political party' in the Constitution of India.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (d) Neither I nor II

Statement I is wrong: under the Tenth Schedule, questions of disqualification for defection are decided by the Speaker (or Chairman), not by the President.

Statement II is wrong: the Tenth Schedule, added in 1985, uses and defines the term 'political party'. Answer (d), neither.

How to crack it: Defection disqualification is decided by the Speaker, not the President, and the Tenth Schedule does use 'political party'. Neither holds.

89. Consider the following statements:

Statement I: In India, State Governments have no power for making rules for grant of concessions in respect of extraction of minor minerals even though such minerals are located in their territories.

Statement II: In India, the Central Government has the power to notify minor minerals under the relevant law.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement I and Statement II are correct and Statement II explains Statement I
- (b) Both Statement I and Statement II are correct but Statement II does not explain Statement I
- (c) Statement I is correct but Statement II is not correct
- (d) Statement I is not correct but Statement II is correct

Answer: (d) Statement I is not correct but Statement II is correct

Statement I is wrong: under section 15 of the Mines and Minerals (Development and Regulation) Act, 1957, State Governments make the rules for concessions for minor minerals.

Statement II is correct: the Central Government has the power to declare which minerals are minor minerals under section 3(e) of the same Act. Answer (d).

How to crack it: Minor minerals: the Centre declares them, the States make the rules. Statement I reverses the roles.

90. Which organization has enacted the Nature Restoration Law (NRL) to tackle climate change and biodiversity loss?

- (a) The European Union
- (b) The World Bank
- (c) The Organization for Economic Cooperation and Development
- (d) The Food and Agriculture Organization

Answer: (a) The European Union

The European Union adopted the Nature Restoration Law in 2024. It requires member states to restore at least 20 per cent of the EU's damaged land and sea areas by 2030. Answer (a).

How to crack it: The Nature Restoration Law binds EU member states. Only a law-making body such as the EU can enact a law for its members.

91. Consider the following statements:

- I. Panchayats at the intermediate level exist in all States.
- II. To be eligible to be a Member of a Panchayat at the intermediate level, a person should attain the age of thirty years.
- III. The Chief Minister of a State constitutes a commission to review the financial position of Panchayats at the intermediate levels and to make recommendations regarding the distribution of net proceeds of taxes and duties, leviable by the State, between the State and Panchayats at the intermediate level.

Which of the statements given above are not correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (d) I, II and III

The question asks which statements are NOT correct, and all three are not correct.

Panchayats at the intermediate level need not exist in States with a population below 20 lakh (Article 243B). The minimum age for a panchayat member is 21, not 30 (Article 243F). The State Finance Commission is set up by the Governor, not the Chief Minister (Article 243I). Answer (d).

Three Panchayat Provisions in Part IX
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Intermediate level Need not exist in States with a population below 20 lakh (Article 243B).	Minimum age 21 years for a panchayat member, not 30 (Article 243F).	State Finance Commission Set up by the Governor, not the Chief Minister (Article 243I).
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The question asks which are NOT correct: all three. Answer (d).

Figure 34. Intermediate panchayats, minimum age and the State Finance Commission
All three statements in the question are not correct.

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How to crack it: Read 'NOT correct' first. Check the age (21), the population threshold (20 lakh) and who sets up the Finance Commission (Governor): all three statements fail.

92. Consider the following statements in respect of BIMSTEC:

- I. It is a regional organization consisting of seven member States till January 2025.
- II. It came into existence with the signing of the Dhaka Declaration, 1999.
- III. Bangladesh, India, Sri Lanka, Thailand and Nepal are founding member States of BIMSTEC.
- IV. In BIMSTEC, the subsector of 'tourism' is being led by India.

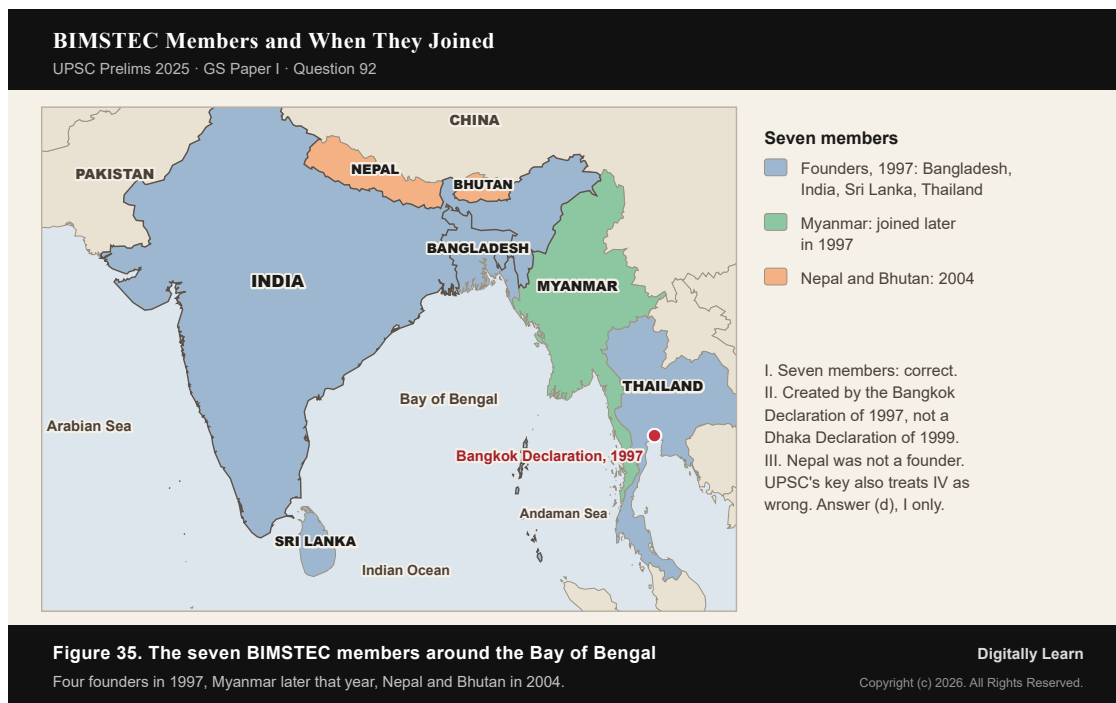
Which of the statements given above is/are correct?

- (a) I and II
- (b) II and III
- (c) I and IV
- (d) I only

Answer: (d) I only

Statement I is correct: BIMSTEC has seven members. Statement II is wrong: it was created by the Bangkok Declaration of 1997, not a Dhaka Declaration of 1999.

Statement III is wrong: the founders were Bangladesh, India, Sri Lanka and Thailand; Myanmar joined later in 1997 and Nepal and Bhutan in 2004. UPSC's key also treats Statement IV as wrong. Answer (d), I only.



How to crack it: Founding year and city: Bangkok, 1997. A 'Dhaka Declaration of 1999' is invented, and Nepal joined only in 2004.

93. Who amongst the following are members of the Jury to select the recipient of 'Gandhi Peace Prize'?

- I. The President of India
- II. The Prime Minister of India
- III. The Chief Justice of India
- IV. The Leader of Opposition in the Lok Sabha

Select the correct answer using the code given below.

- (a) II and IV only
- (b) I, II and III
- (c) II, III and IV
- (d) I and III only

Answer: (c) II, III and IV

The jury for the Gandhi Peace Prize is chaired by the Prime Minister and includes the Chief Justice of India and the Leader of the single largest Opposition party in the Lok Sabha, along with eminent persons. The President is not on the jury. Answer (c), II, III and IV.

How to crack it: The Gandhi Peace Prize jury is chaired by the Prime Minister with the Chief Justice and the Opposition leader. The President is not on it.

94. GPS-Aided Geo Augmented Navigation (GAGAN) uses a system of ground stations to provide necessary augmentation. Which of the following statements is/are correct in respect of GAGAN?

- I. It is designed to provide additional accuracy and integrity.
- II. It will allow more uniform and high quality air traffic management.
- III. It will provide benefits only in aviation but not in other modes of transportation.

Select the correct answer using the code given below.

- (a) I, II and III
- (b) II and III only
- (c) I only
- (d) I and II only

Answer: (d) I and II only

GAGAN is India's satellite-based augmentation system built by ISRO and the Airports Authority of India. It improves the accuracy and integrity of GPS signals (I) and supports safer, more uniform air traffic management (II).

Statement III is wrong: its signals also help shipping, railways, road transport and surveying, not only aviation. Answer (d), I and II only.

How to crack it: GAGAN helps shipping, rail and road too, so 'only aviation' is too narrow. Keep I and II.

95. Consider the following statements regarding AI Action Summit held in Grand Palais, Paris in February 2025:

- I. Co-chaired with India, the event builds on the advances made at the Bletchley Park Summit held in 2023 and the Seoul Summit held in 2024.
- II. Along with other countries, US and UK also signed the declaration on inclusive and sustainable AI.

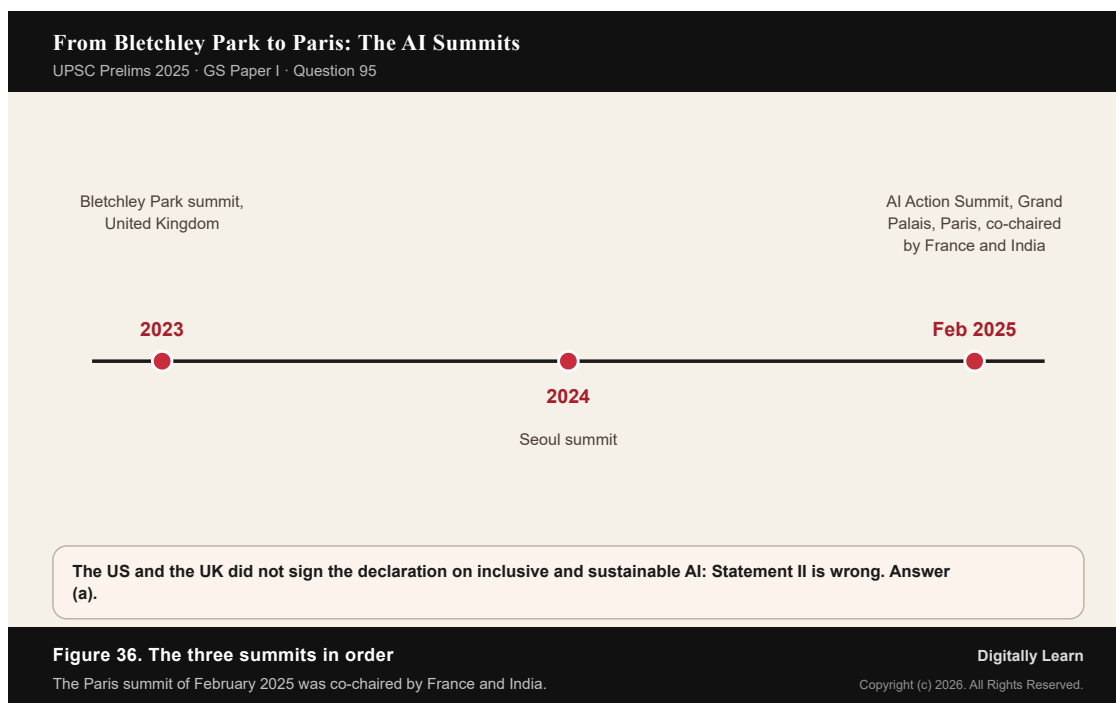
Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (a) I only

Statement I is correct: France and India co-chaired the AI Action Summit in Paris in February 2025, which followed the Bletchley Park (2023) and Seoul (2024) summits.

Statement II is wrong: the United States and the United Kingdom did not sign the declaration on inclusive and sustainable AI. Answer (a), I only.



How to crack it: The Paris summit was co-chaired by France and India, and the US and the UK stayed out of the declaration. Keep I only.

96. Consider the following pairs:

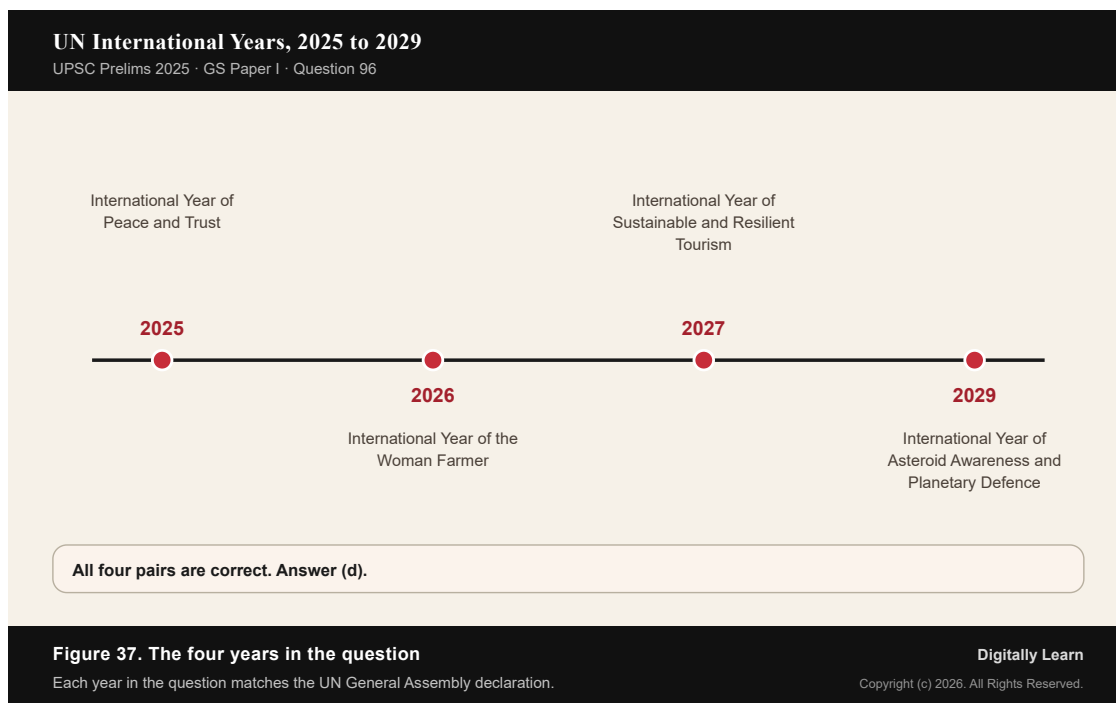
- I. International Year of the Woman Farmer : 2026
- II. International Year of Sustainable and Resilient Tourism : 2027
- III. International Year of Peace and Trust : 2025
- IV. International Year of Asteroid Awareness and Planetary Defence : 2029

How many of the pairs given above are correctly matched?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All the four

Answer: (d) All the four

All four pairs are correct as declared by the UN General Assembly: 2025 International Year of Peace and Trust, 2026 International Year of the Woman Farmer, 2027 International Year of Sustainable and Resilient Tourism, and 2029 International Year of Asteroid Awareness and Planetary Defence. Answer (d).



How to crack it: UN years are declared in advance; when every pair matches the declared list, 'all four' is right.

97. Consider the following statements with regard to BRICS:

- I. 16th BRICS Summit was held under the Chairship of Russia in Kazan.
- II. Indonesia has become a full member of BRICS.
- III. The theme of the 16th BRICS Summit was Strengthening Multiculturalism for Just Global Development and Security.

Which of the statements given above is/are correct?

- (a) I and II
- (b) II and III
- (c) I and III
- (d) I only

Answer: (a) I and II

Statement I is correct: Russia chaired BRICS in 2024 and hosted the 16th summit in Kazan. Statement II is correct: Indonesia became a full member in January 2025.

Statement III is wrong: the theme was 'Strengthening Multilateralism for Just Global Development and Security', not multiculturalism. Answer (a), I and II.

How to crack it: Theme questions swap one word: 'multilateralism', not 'multiculturalism'. Spot the swapped word and drop III.

98. Consider the following statements about Lokpal:

- I. The power of Lokpal applies to public servants of India, but not to the Indian public servants posted outside India.
- II. The Chairperson or a Member shall not be a Member of the Parliament or a Member of the Legislature of any State or Union Territory, and only the Chief Justice of India, whether incumbent or retired, has to be its Chairperson.
- III. The Chairperson or a Member shall not be a person of less than forty-five years of age on the date of assuming office as the Chairperson or Member, as the case may be.
- IV. Lokpal cannot inquire into the allegations of corruption against a sitting Prime Minister of India.

Which of the statements given above is/are correct?

- (a) III only
- (b) II and III
- (c) I and IV
- (d) None of the above statements is correct

Answer: (a) III only

Statement I is wrong: the Lokpal's jurisdiction covers public servants of India both inside and outside the country. Statement II is wrong: the Chairperson can be a former Chief Justice of India, a former Supreme Court judge or an eminent person, not only a Chief Justice.

Statement III is correct: a Chairperson or Member must be at least 45 years old. Statement IV is wrong: the Lokpal can inquire into allegations against a Prime Minister, with safeguards. Answer (a), III only.

How to crack it: Lokpal covers public servants abroad too, and the Chairperson need not be a former Chief Justice. Only the age of 45 holds.

99. Consider the following statements in respect of the first Kho Kho World Cup:

- I. The event was held in Delhi, India.
- II. Indian men beat Nepal with a score of 78-40 in the final to become the World Champion in men category.
- III. Indian women beat Nepal with a score of 54-36 in the final to become the World Champion in women category.

Which of the statements given above is/are correct?

- (a) I only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Answer: (a) I only

Statement I is correct: the first Kho Kho World Cup was held in New Delhi in January 2025, and India won both titles, beating Nepal in both finals.

Statements II and III swap the scores: the men won 54-36 and the women won 78-40. Answer (a), I only.

How to crack it: Score questions swap numbers between teams: the men won 54-36 and the women 78-40. Keep only the venue statement.

100. Consider the following statements:

- I. In the finals of the 45th Chess Olympiad held in 2024, Gukesh Dommaraju became the world's youngest winner after defeating the Russian player Ian Nepomniachtchi.
- II. Abhimanyu Mishra, an American chess player, holds the record of becoming world's youngest ever Grandmaster.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

Answer: (b) II only

Statement I is wrong: at the 45th Chess Olympiad (Budapest, 2024) India won team gold. Gukesh became the youngest world champion by beating Ding Liren of China in the World Championship match in December 2024, not Ian Nepomniachtchi in an Olympiad final.

Statement II is correct: Abhimanyu Mishra of the United States became the youngest grandmaster ever in 2021, at 12 years and 4 months. Answer (b), II only.

How to crack it: Separate two events: Gukesh won the World Championship against Ding Liren, not an Olympiad final. Mishra's grandmaster record stands.