

Q1. Which of the following statement(s) relate(s) to the Theory of Separation of Powers?

1. Separated powers between the Government at federal and provincial levels.
2. Separated legislative, executive and judicial powers of a Government.

Select the correct answer using the codes given below:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: b

Q2. Which of the following ideals in the Preamble to the Constitution of India have been borrowed from the French Constitution?

1. Republic
2. Justice
3. Liberty
4. Equality
5. Fraternity

Select the correct answer using the codes given below:

- a. 1, 2, 3 and 4 only
- b. 2, 3, 4 and 5 only
- c. 3, 4 and 5 only
- d. 1, 3, 4 and 5 only

Answer: d

Exp: "Justice" has been borrowed from Russia.

Q3. Consider the following statements regarding Parliamentary System of governance:

1. There is an elected Head of the State
2. Real executive powers are vested in the Prime Minister.
3. There is an Upper House in the Parliament.

Which of the statements given above are correct?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1, 2 and 3



VAJIRAM & RAVI

d. None of the above

Answer: d

Exp:

1. The Head of State may be a hereditary King or Queen.

2. Real Executive powers are vested with the Council of Ministers.

3. The Upper House is a necessity in a Federation. Unicameral Parliaments exist in New Zealand, Sweden, Denmark, etc.

Q4. Which of the following are valid grounds to impose reasonable restrictions on the exercise of the freedom of speech and expression?

1. Security of State
2. Public morality and health
3. Contempt of Court
4. Defamation

Select the correct answer using the codes given below:

- a. 1, 2 and 3 only
- b. 1, 3 and 4 only
- c. 2 and 4 only
- d. 1, 2, 3 and 4

Answer: b

Exp: It is public order, morality or decency.

Q5. Which of the following are fundamental rights under the Constitution of India?

1. Right to travel abroad
2. Right against handcuffing
3. Right against delayed execution
4. Right to contest election

Select the correct answer using the codes given below:

- a. 2 and 3 only
- b. 1, 2 and 3 only
- c. 2, 3 and 4 only
- d. 1, 3 and 4 only



VAJIRAM & RAVI

Answer: b

Q6. Which of the following statements are correct regarding the writ of Certiorari in India?

1. It cannot lie against a commission of enquiry.
2. A High Court cannot issue Certiorari to another High Court.
3. A larger bench of a High Court cannot issue Certiorari to another smaller bench of the same High Court.
4. While issuing Certiorari, the Court acts within the appellate jurisdiction.

Select the correct answer using the codes given below:

- a. 1, 2 and 3 only
- b. 2 and 4 only
- c. 1, 3 and 4 only
- d. None of the above

Answer: a

Exp:

Whenever a body of persons:

A - having legal authority

B - to determine questions affecting rights of the subject.

C - having the duty to act judicially, Certiorari lies to quash the decision which goes 'beyond jurisdiction'.

It is part of supervisory jurisdiction of the 'superior court'.

Q7. Consider the following provisions under the Directive Principles as enshrined in the Constitution of India.

1. Promoting co-operative societies.
2. Promoting cottage industries in rural areas.
3. Securing participation of workers in the management of industries.
4. Providing legal aid to the poor.

Which of the above are reflections of Gandhian principles?

- a. 1 and 2 only
- b. 1, 2 and 4 only
- c. 2 and 3 only
- d. 1, 3 and 4 only



VAJIRAM & RAVI

Answer: a

Q8. Holding which of the following offices shall be a disqualification on being and becoming a Member of Parliament?

1. President of BCCI
2. Additional Solicitor General of India
3. Chairman of United Breweries Group
4. General of Indian Army

Select the correct answer using the codes given below:

- a. 2 and 4 only
- b. 1 and 4 only
- c. 2, 3 and 4 only
- d. 1, 2 and 3 only

Answer: a

Q9. The Prime Minister as the head of the Council of Ministers:

1. Has a free hand in the distribution of portfolios
2. Can reshuffle the Ministers and ask any Minister to resign
3. Is bound by the advice of the Ministers
4. Advises the Ministers in day-to-day administration of Ministries

Which of the statements given above are correct?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 3 and 4 only
- d. 1, 2 and 4 only

Answer: a

Q10. Which of the following principles is/ are part of the doctrine of "procedure established by law"?

1. No man shall be punished unheard
2. No man shall be a judge in his own case
3. An authority shall act without bias

Select the correct answer using the codes given below:



VAJIRAM & RAVI

- a. 1 and 2 only
- b. 3 only
- c. 1, 2 and 3
- d. None of the above

Answer: d

Exp: Maneka Gandhi case read into Art. 21 the requirement of the principles of natural justice and so the due process.

These principles are part of the process of natural justice.

Q11. Which of the following advices tendered by the Council of Ministers to the President of India, after reconsideration may be returned by the President?

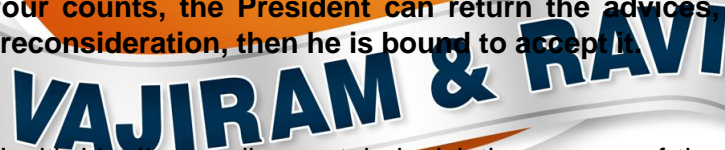
- 1. Commuting the death sentence of a convict
- 2. Promulgation of an Ordinance
- 3. Appointment of Chairperson of UPSC
- 4. Imposition of President's Rule in a State

Select the correct answer using the codes given below:

- a. 1, 2, 3 and 4
- b. 1, 3 and 4 only
- c. 2 and 4 only
- d. None of the above

Answer: d

Exp: On all the four counts, the President can return the advices, but if the CoMs return them after reconsideration, then he is bound to accept it.



Q12. Match List-I with List-II regarding certain legislative powers of the President of India and select the correct answer using the codes given below:

List-I (Explanation)	List-II (Veto)
A. Withholding of assent	1. Qualified Veto
B. Overridden by ordinary majority	2. Suspensive Veto
C. Overridden by a higher majority	3. Absolute Veto
D. Taking no action on the Bill	4. Pocket Veto

Codes

A B C D

- a. 4 3 1 2

- b. 4 1 2 3
- c. 3 1 2 4
- d. 3 2 1 4

Answer: d

Q13. According to the Constitution of India, it is the duty of the President of India to cause to be laid before the Parliament which of the following?

1. The Annual Financial Statement
2. The Report of the Delimitation Commission
3. The recommendations of the Finance Commission
4. The Report of the Commission on Backward Classes

Select the correct answer using the codes given below:

- a. 1 only
- b. 2 and 4 only
- c. 1, 3 and 4 only
- d. 1, 2, 3 and 4

Answer: c

Q14. Match List-I with List-II and select the correct answer using the codes given below:

	List-I (Power)		List-II (Example)
A.	Commutation	1.	Simple imprisonment converted to a fine
B.	Remission	2.	Imprisonment for 10 years reduced to 7 years
C.	Respite	3.	Rigorous imprisonment for 5 years reduced to simple imprisonment for 5 years.
D.	Reprieve	4.	Reducing rigorous imprisonment to simple imprisonment during the pregnancy period of a woman convict.
		5.	Temporary suspension of a death sentence.

Codes

- | | A | B | C | D |
|----|---|---|---|---|
| a. | 4 | 1 | 3 | 5 |
| b. | 1 | 2 | 4 | 5 |
| c. | 3 | 2 | 5 | 4 |

d. 5 1 2 4

Answer: b

Q15. Consider the following statements about the Council of Ministers:

1. It shall always be present to aid and advise the President
2. It may not be always present to aid and advise the Governor of a State
3. The advice tendered by it cannot be inquired into in any court.

Which of the statements given above are correct?

- a. 1 and 2 only
- b. 1 and 3 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer: d

Q16. The tenure of Lok Sabha, normally, shall be five years from the date of

- a. Its first meeting
- b. Declaration of election results
- c. Taking oath of office by the elected members
- d. Submission of the list of elected members to the President

Answer: a

Exp: Article 83 section 2. of Constitution of India.

Q17. Which of the following statements with regard to the Prime Minister's Office (PMO) are correct?

1. It has the status of a department under the Government of India Allocation of Business Rules.
2. It is headed by the Principal Secretary to the Prime Minister.
3. The jurisdiction of PMO extends over all such subjects and activities as are not specially allotted to any individual department.

Select the correct answer using the codes given below:

- a. 1 and 2 only
- b. 1 and 3 only
- c. 2 and 3 only



VAJIRAM & RAVI

- d. 1, 2 and 3

Answer: d

Exp: PMO's role is to assist the PM in dealing with all the references which come to him under the Rules of Business. It is headed by the Principal Secretary (PS) to the PM.

PMO is declared as a department under the GoI Allocation of Business Rules, 1961.

Q18. The Comptroller and Auditor General of India can be removed from office by:

- The President of India after an address to such an effect in both the Houses of Parliament
- The Chief Justice of India on the recommendation of an enquiry, conducted by the Supreme Court of India
- The President of India on the recommendation of an enquiry, conducted by the Supreme Court of India.
- The President of India on the recommendation of the Chief Justice of India.

Answer: a

Exp: Refer Article 148.

Q19. In the light of the disruptions in the recently concluded monsoon session of the Parliament, examine the following statements:

- Adjournment Motion can be moved in either of the Houses, but can be put to vote only in the Lok Sabha.
- Adjournment Motion requires leave of the House for its introduction.
- Passage of Adjournment Motion amounts to the passage of No-Confidence Motion.
- The power to adjourn the Houses is vested with the respective presiding officers of the Houses, while the power to prorogue the Houses is vested with the Head of the State.

Which of the statements given above are correct?

- 1 and 4 only
- 1 and 3 only
- 2 and 4 only
- 1, 2 and 3 only

Answer: c

Q20. Which of the following is/are NOT statutory position(s)?

- Leader of Opposition in the Lok Sabha.

2. Leader of the House in Lok Sabha.

Select the correct answer using the codes given below:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: b

Q21. Which of the following is/are special power(s) of the Council of States in India?

- 1. Authorising the Parliament to legislate on specified subjects under the State List.
- 2. Authorising the Parliament for creation of an All India Service.
- 3. Authorising the Parliament to create/abolish a State in India.
- 4. Passing a resolution for revocation of President's Rule in a State.

Select the correct answer using the codes given below:

- a. 1 and 2 only
- b. 1, 2 and 3 only
- c. 1, 3 and 4 only
- d. 1, 2, 3 and 4

Answer: a

Q22. Consider the following statements about the office of the Governor of a State in India:

- 1. It is not an office of profit.
- 2. It functions as an agent of the Union in the State.
- 3. All the discretionary powers associated with the office are mentioned in the Constitution.
- 4. The term of the office is five years.

Which of the statements given above is/are correct?

- a. 1, 2 and 3 only
- b. 2 and 4 only
- c. 4 only
- d. None of the above

Answer: c

The logo for Vajiram & Ravi features a stylized sun with rays in shades of orange and yellow, set against a dark red background. A large, bold, white checkmark is superimposed over the sun. Below the sun, the name 'VAJIRAM & RAVI' is written in a bold, blue, sans-serif font on a white banner that curves upwards.

Q23. Which of the following candidates' nomination may be rejected for election to a seat in the State's Legislative Assembly?

1. A person who is not an elector for any constituency in that State.
2. A person who failed to lodge an account of election expense within time.
3. A person whose sentence of 3 years of imprisonment was remitted to 1.5 years of imprisonment.

Select the correct answer using the codes given below:

- a. 1 and 2 only
- b. 1 and 3 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer: d

Exp:

2. Section 10A, RPA, 1951. Such disqualification is effective for 3 years from the date of the order of EC.

3. An Executive act of remission does not interfere with or alter the judicial sentence. It affects only the execution of the sentence.

Q24. Consider the following statements:

1. The Advocate General of a State in India is appointed by the President of India on the recommendation of the Governor of the State.
2. The High Courts in India have original, appellate and advisory jurisdiction at the State level.

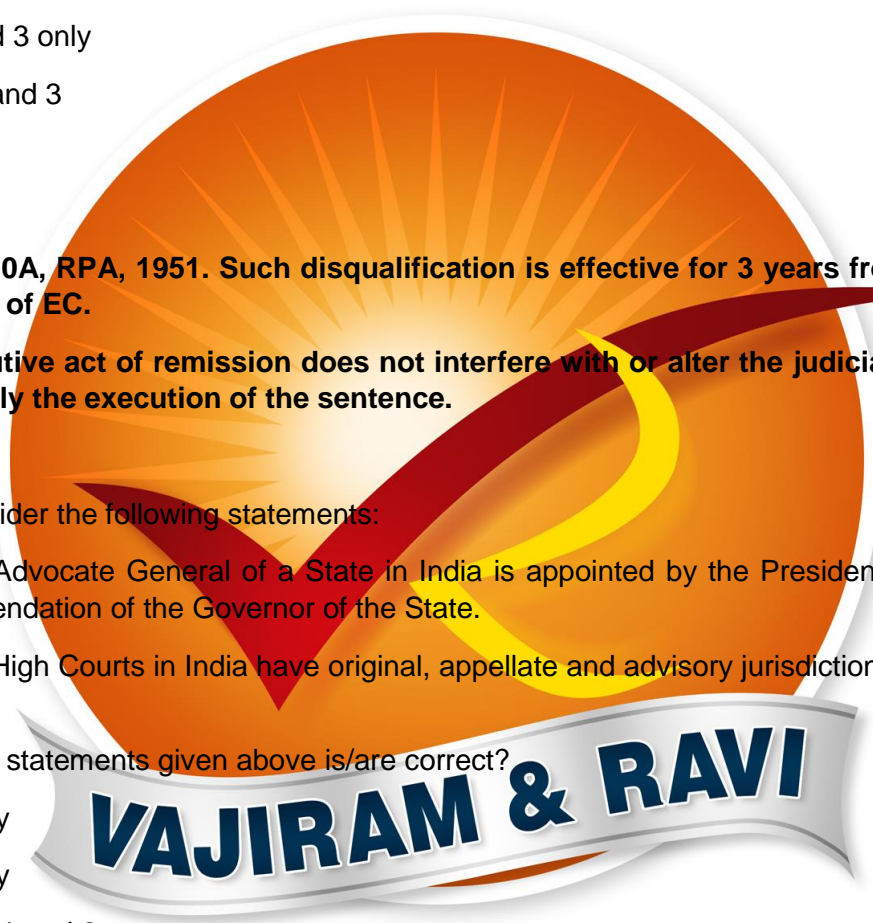
Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: d

Q25. Consider the following statements regarding delimitation of Constituencies:

1. As of today, it is not constitutionally obligatory on the Parliament to provide for delimitation after each census.
2. Every exercise of delimitation necessitates an amendment to the Constitution of India.



Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: a

Q26. Consider the following statements:

1. For creating an All India Judicial Service, the first constitutional requirement is to enact a parliamentary law governing the same.
2. The authorisation to create an All India Judicial Service under Article 312 is bound by time.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: d

Q27. In an election, if there is an equality of votes polled in favour of two or more candidates, which of the following statements is correct as per the Representation of People Act, 1951?

- a. The returning officer shall exercise casting vote to decide between such candidates
- b. The returning officer shall decide between such candidates by a lot.
- c. There will be held a re-election between all the contesting candidates.
- d. There will be held a re-election between such candidates in the tie.

Answer: b

Q28. Which of the following statements is correct regarding elections in India?

1. To contest the election for the seat allotted to the State of Sikkim in the Lok Sabha, the candidate must be an elector for the Parliamentary Constituency of Sikkim.
2. An election petition calling in question any election can be presented before the High Court only by any candidate at such election or any elector who voted at such election.
3. If a candidate is contesting in more than one parliamentary constituency, not more than one of the deposits shall be returned, even if the candidate wins from all seats.

Select the correct answer using the codes given below:

- a. 1 and 2 only
- b. 1 and 3 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer: b

Exp:

1. In Sikkim, only Sikkimese people can contest for the only seat in LS. Section 4, RPA, 1951
2. It is not necessary that the elector should have voted. Being an elector is sufficient.
3. Section 158, RPA, 1951

Q29. Consider the following statements regarding the constitutional and statutory provisions relating to the administration of the National Capital Territory of Delhi (NCT):

1. The Chief Minister and the Council of Ministers are appointed by the Lieutenant Governor.
2. The Council of Ministers shall consist of Ministers not more than ten per cent of the total members in the Legislative Assembly.
3. The matters in which the Lieutenant Governor may act in his discretion are provided for.
4. The Lieutenant Governor and his Council of Ministers shall be under the general control of the President of India.

Which of the statements given above is/are correct?

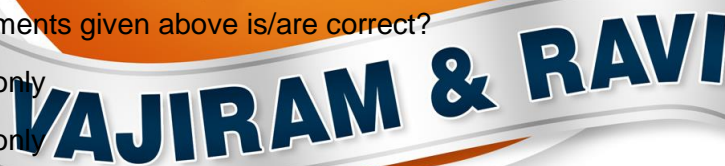
- a. 1, 2 and 3 only
- b. 1, 3 and 4 only
- c. 2 only
- d. 2, 3 and 4 only

Answer: d

Exp: CM and CoM are appointed by the President of India.

Q30. Which of the following statements relating to the imposition of national emergency is correct?

- a. When the decision of the Union Cabinet, that such a proclamation may be issued, has been communicated to the President in writing.

The logo for Vajiram & Ravi features a stylized sun with rays in shades of orange and red, set against a white circular background. A yellow crescent moon is positioned to the right of the sun. Below the sun and moon, the name 'VAJIRAM & RAVI' is written in a bold, blue, sans-serif font, with a white outline and a slight shadow effect. The text is contained within a white, ribbon-like banner that curves upwards at the ends.

- b. When the Lok Sabha passes a resolution for its imposition.
- c. When both the Lok Sabha as well as the Rajya Sabha pass resolutions for its imposition.
- d. None of the above.

Answer: a

Exp: Article 3523. requires written recommendation of the Cabinet.

Passage of resolution is required at a subsequent stage for approval by both the Houses.

Q31. Which of the following are the duties of the Union under Article 355?

- 1. To protect every State against aggression.
- 2. To protect every State against internal disturbance.
- 3. To ensure that the Government of every State is carried on in accordance with the provisions of the Constitution.

Select the correct answer using the codes given below:

- a. 1 and 2 only
- b. 1 and 3 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer: d

Exp: The Article 355 lays down these duties of the Union.

Q32. Which of the following statements is NOT true in case of inconsistency/ repugnancy between the Union Law and the State Law on a Concurrent list item?

- a. The law made by the Parliament shall prevail.
- b. The law made by the State Legislature shall prevail in that State if the State law has been reserved for consideration of the President and has received his assent.
- c. The Parliament may enact at any time any law with respect to the same matter including a law repealing the State law.
- d. None of the above.

Answer: d

Exp: Article 254.

Q33. Which of the statement(s) relating to the Indian Constitution is/are correct?

1. Criminal Law cannot be given prospective effect.
2. Civil Law cannot be given retrospective effect.
3. No person shall be prosecuted and punished more than once for the commission of the same offence.

Select the correct answer using the codes given below:

- a. 1 only
- b. 2 only
- c. 3 only
- d. 1, 2 and 3

Answer: c

Exp: Article 20.

Q34. Consider the following statements relating to the Model Code of Conduct, from the time elections are announced by the Commission:

1. Ministers and other authorities shall not announce any financial grants in any form or promises thereof.
2. The powers of the governments to transfer, promote etc. of officials are suspended till the election results are announced.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: a

Exp: Governments can transfer officials but after consulting the Election Commission of India.

Q35. Which of the following statements relating to "Insolvency and bankruptcy Code, 2015" unanimously passed by the Lok Sabha are correct?

1. It is not a Money Bill.
2. It creates time-bound processes for insolvency resolution of companies and individuals.
3. Allows National Company Law Tribunal (NCLT) to adjudicate insolvency resolution for companies and the Debt Recovery Tribunal (DRT) to adjudicate insolvency resolution for individuals.



VAJIRAM & RAVI

Select the correct answer using the codes given below:

- a. 1 and 2 only
- b. 1 and 3 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer: c

Exp: It was introduced and passed as a Money Bill though it was not within the scheme of Article 110. This was a controversy in the realm of public debate.

Q36. Which of the following was the theme of 2016 Pravasi Bharatiya Divas:

- a. Redefining Engagement with the Indian Diaspora.
- b. Bharat Ko Jano Aur Bharat Ko Mano
- c. Engaging Diaspora: Connecting Across Generations
- d. From Brain-Drain to Brain-Gain

Answer: a

Q37. Under which Article of the Constitution can the Indian Parliament make laws exercising its residuary powers?

- a. Article 248
- b. Article 249
- c. Article 250
- d. Article 251

Answer: a



VAJIRAM & RAVI

Q38. Which of the following is correct if a State fails to implement the administrative directions by the Union under Article 256?

- a. The Parliament may compel the State to execute the said direction.
- b. The Governor may dissolve the State legislature.
- c. The President may hold that the constitutional machinery in the State has failed.
- d. The Supreme Court may compel the State to execute the said direction.

Answer: c

Exp: Article 365 lays down this provision.

Q39. Which of the following has NOT been held to be part of the basic structure of the Constitution?

- a. Principles of Natural Justice
- b. Sovereignty of India
- c. Secularism
- d. None of the above

Answer: a

Exp: Till date it has not been done so though it is a fit case for being recognised).

Q40. Several mechanisms are in place to ensure the smooth functioning of the Parliament. In this context, consider the following:

- 1. Question Hour
- 2. Zero Hour
- 3. Calling Attention Motion
- 4. Departmental Standing Committees

Which of the above provisions are available in the Indian Constitution?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 3 and 4 only
- d. None of the above

Answer: d

Exp: Question Hour is not mentioned in the Constitution. It finds mention in the Rules of Procedure of the House. The first hour of every parliamentary sitting is allotted for this.

Zero Hour is an Indian innovation and has been in existence since 1962. It is an informal device available to the members of Parliament to raise matters without any prior notice. Unlike the Question Hour, it is not mentioned in the Rules of Procedure.

Calling Attention Motion has been in existence in Indian Parliamentary setting since 1954. Unlike the Zero Hour, it is mentioned in the Rules of Procedure but not in the Constitution.

Departmental Standing Committees were set up very late in 1993. They are also not mentioned in the Constitution.

Q41. In the case of Jammu and Kashmir any Bill providing for increasing or diminishing the area of the State or altering the name or boundary of the State can only be introduced in the Parliament after securing the consent of

- a. Chief Minister of the State
- b. Governor of the State
- c. Legislature of the State
- d. Council of Ministers of the State

Answer: c

Exp: Jammu & Kashmir is a constituent state of the Indian Union and has its place in Part I and Schedule I of the Constitution of India. But its name, area or boundary cannot be altered by the Union without the consent of its legislature.

Paragraph: DIRECTIONS for Questions 42 to 47 (6 items)- The following questions consist of two statements, one labelled 'Assertion' (A). and the other labelled 'Reason' (R). Examine these two statements carefully and decide if the Assertion and the Reason are individually true and if so, whether the Reason is a correct explanation of the Assertion. Select your answer from the codes given below-

- A If both A and R are true and R is the reason.
- B If both A and R are true and R does not explain A.
- C If A is true and R is false
- D If A is false and R is true.

PQ42. Assertion (A): Directive Principles of State Policy under Part IV of the Constitution are not justiciable.

Reason (R): Directive Principles are positive obligations upon the State.

- a.
- b.
- c.
- d.

The logo for Vajiram & Ravi features a large orange circle with a sunburst pattern. A red checkmark is superimposed on the circle, and a yellow arrow curves around it. Below the circle is a silver ribbon banner with the text "VAJIRAM & RAVI" in blue, bold, capital letters.

VAJIRAM & RAVI

Answer: b

Exp: Article 37 states that it is not justiciable. It also lays down its nature as positive obligation. But there is no relation of reason and assertion between them.

PQ43. Assertion (A): Over the last two decades, there is a decline in the average yield in wheat production of India.

Reason (R): The Climate Change scenario has made a paradigm shift in farming objectives from enhancing productivity to sustaining production.

- a.

- b.
- c.
- d.

Answer: b

PQ44. Assertion (A): The paper industry in India is foot-loose.

Reason (R): The paper industry is plantation-based.

- a.
- b.
- c.
- d.

Answer: b

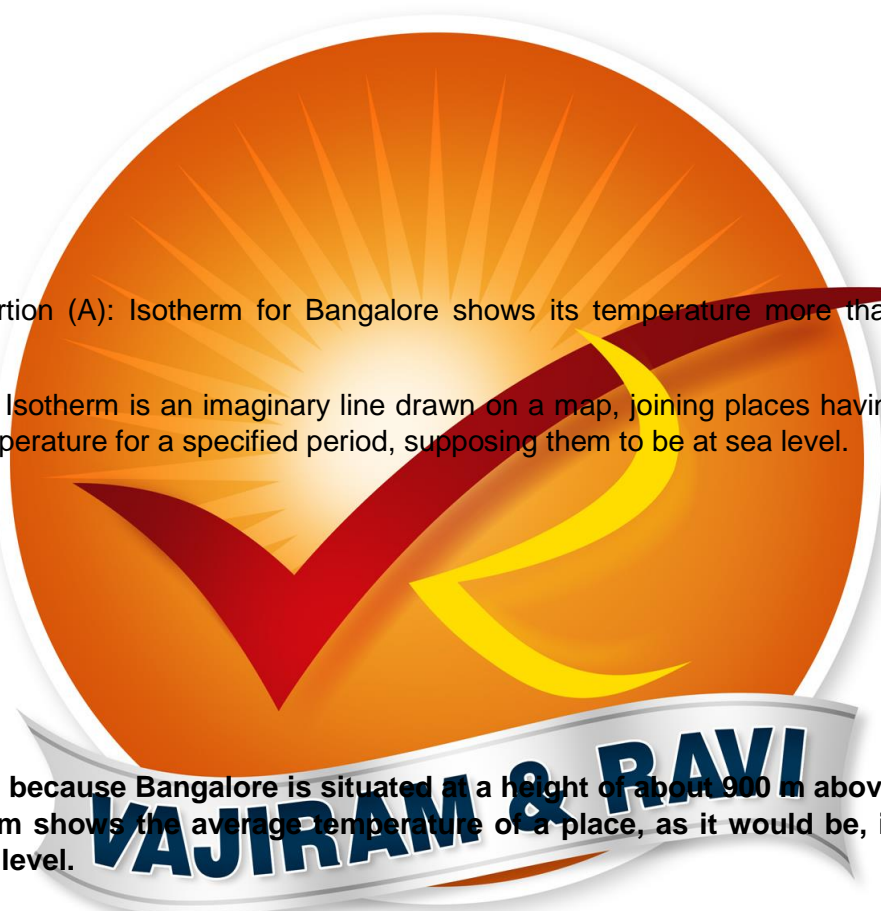
PQ45. Assertion (A): Isotherm for Bangalore shows its temperature more than its actual temperature.

Reason (R): Isotherm is an imaginary line drawn on a map, joining places having the same average temperature for a specified period, supposing them to be at sea level.

- a.
- b.
- c.
- d.

Answer: a

Exp: This is because Bangalore is situated at a height of about 900 m above sea level. The isotherm shows the average temperature of a place, as it would be, if the place were at sea level.



PQ46. Assertion (A): The term 'Temperate' is a misnomer for the middle latitudes.

Reason (R): Weather is what you get and Climate is what you expect.

- a.
- b.
- c.
- d.

Answer: b

Exp: The middle latitude regions have maximum variability of weather conditions and hence scholars believe that the term 'temperate' which means moderate, is misleading.

The term Weather refers to fluctuations of atmospheric conditions and long term average of atmospheric conditions is called Climate.

PQ47. Assertion (A): The tropics are not becoming progressively warmer, nor are the polar areas becoming colder.

Reason (R): In every latitudinal zone, the Earth's gains in solar energy equal the losses (to space) of heat from the surface.

- a.
- b.
- c.
- d.

Answer: c

Exp: The Earth's heat budget i.e. the gains in solar energy equal the losses (to space) of heat from the surface – this is so for the Earth as a whole. When latitudes are considered individually, however, this is not the case. There are mechanisms in atmosphere and oceans which attempt moderating the latitudinal heat imbalance by transfer of energy from lower to higher latitudes.

Q48. Consider the following islands:

- 1. Sumatra
- 2. Borneo
- 3. Java

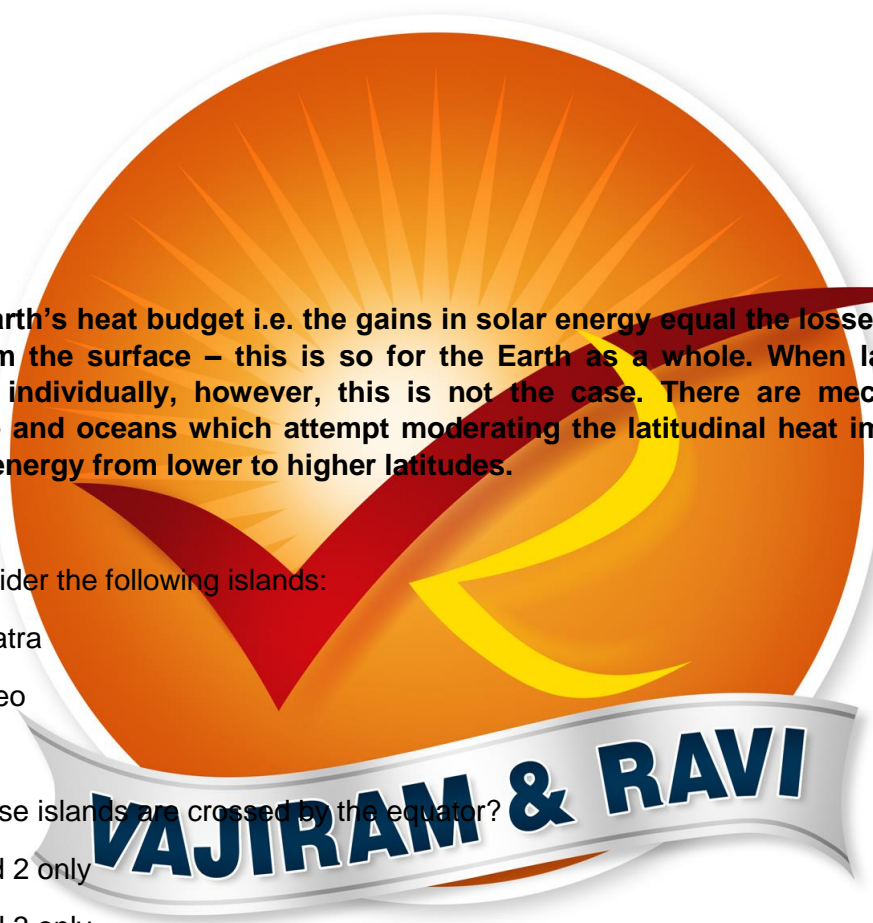
Which of these islands are crossed by the equator?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2 and 3

Answer: a

Q49. Which of the following refers to a new or full moon closely coinciding with perigee – the moon's closest point to Earth in its orbit?

- a. Supermoon
- b. Blue Moon



- c. Blood Moon
- d. None of the above

Answer: a

Exp: Blue Moon: A blue moon is the third full Moon in an astronomical season with four full moons.

Blood Moon: A total lunar eclipse causes the planet Earth to cast its shadow on the surface of the moon. A shade of red then taints the moon as it passes due to the reflection of light from the Sun.

Q50. Consider the following cities:

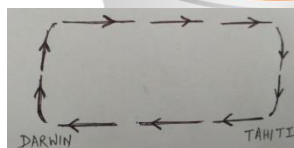
- 1. Singapore
- 2. Bandar Seri Begawan
- 3. Manila
- 4. Taipei

Select the code, representing the correct North to South order of the cities.

- a. 3-4-1-2
- b. 4-3-2-1
- c. 4-3-1-2
- d. 3-4-2-1

Answer: b

Q51. The Walker Cell air circulation shown in the diagram represents which of the following situation in the Pacific Ocean region?



IRAM & RAVI

- a. Normal
- b. El Nino
- c. El-Nino Modoki
- d. None of the above

Answer: a

Exp: Tahiti Island represents Eastern Pacific Ocean and Darwin (a small town in Australia) represents Western Pacific Ocean. During El-Nino there is a reversal of the circulation shown above. La-Nina refers to reinforced Normal situation and El Nino Modoki is associated with Central Pacific Ocean.

Q52. Consider the following statements:

1. The average temperature of tropopause is about -80 degree C.
2. Most of air pollution is contained within the troposphere.
3. The lowest temperature in the atmosphere is generally at mesopause.

Which of the statements given above are correct?

- a. 1, 2 and 3
- b. 1 and 2 only
- c. 2 and 3 only
- d. 1 and 3 only

Answer: c

Exp: The temperature at tropopause over the equator is generally -80 degreeC and over the poles, it is about -45degree C. the tropopause is defined by average temperature of -57degree C.

The lowest temperature in the atmosphere reaches generally at mesopause and is about -95degree C.

Q53. Consider the following:

1. Nature of Surface
2. Angle of Sun's rays

Which of the above is/are the factor(s) in affecting albedo?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: c

Exp: Albedo is the percentage of insolation that is reflected by a surface.

Lower angles produce a greater reflection than do higher angles as Sun's rays at low angle have to cross larger thickness of atmosphere.

Smooth surfaces increase albedo whereas rougher surfaces reduce it.

Q54. Consider the following:

1. Ocean Gyres
2. Horse Latitudes

The logo for Vajiram & Ravi features a large orange circle with a sunburst pattern. A red checkmark is superimposed on the circle, and a yellow swoosh is on the right. Below the circle is a silver banner with the text "VAJIRAM & RAVI" in blue, bold, sans-serif capital letters.

VAJIRAM & RAVI

3. Desert like conditions

Which of these are correlated with sub-tropical latitudes?

- a. 1, 2 and 3
- b. 1 and 2 only
- c. 2 and 3 only
- d. 1 and 3 only

Answer: a

Exp: In the ocean the continuously moving loops of currents are called gyres. These gyres are called sub-tropical gyres, as the centre of each gyre coincides with 30degree N/S.

In the olden days, the zones about 30degree N and S were known as the Horse Latitudes. When ships were becalmed, horses were thrown to reduce the load.

These are the areas where descending air results in arid conditions.

Q55. Consider the following:

- 1. Sargasso Sea
- 2. Guinea Current
- 3. Okhotsk Current

Which of these are in North Atlantic Ocean?

- a. 1, 2 and 3
- b. 1 and 2 only
- c. 2 and 3 only
- d. 1 and 3 only

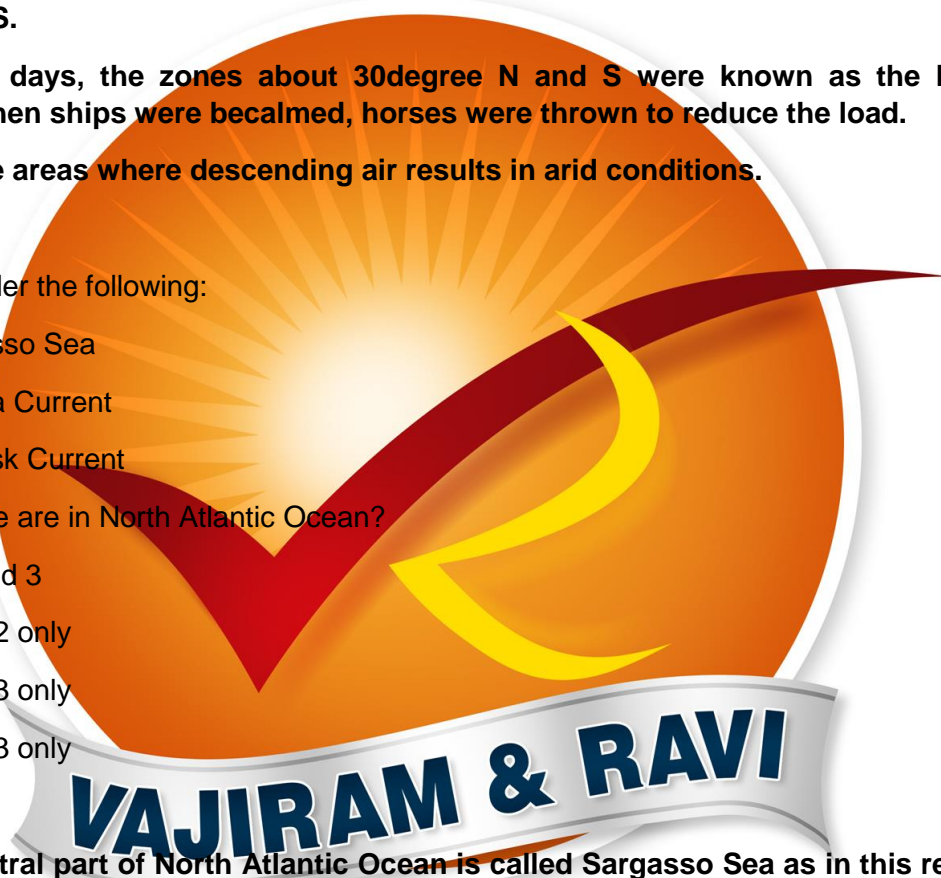
Answer: b

Exp: The central part of North Atlantic Ocean is called Sargasso Sea as in this region, the Sargassum species seaweed is found floating in abundance. This huge collection is because of waters being almost stagnant as a result of high atmospheric pressure.

Q56. Which of the following does NOT directly relate to the Time Zones of the world?

- a. Jet Lag
- b. I.D.L.
- c. Standard Time
- d. Daylight Saving Time

Answer: d



Exp: Jet Lag refers to the sudden switch of time zones in air travel, resulting in tiredness and feeling out of step with day and night.

I.D.L. i.e. International Date Line is an imaginary line agreed internationally which follows the meridian of 180degree - a traveller crossing the IDL from west to east, gains a day and while crossing from east to west, loses a day.

Standard Time is the common time followed in a particular longitudinal zone.

Daylight Saving Time is based on extra summer length of day in middle and higher latitudes.

Q57. Which of the following is the primary reason for the causation of deep-water currents in oceans?

- a. Wind
- b. Earth's rotation
- c. Density difference
- d. Ocean bottom topography

Answer: c

Exp: Density variations make the denser water sink leading to deep-water currents. Since the density variations are caused by differences in temperature and salinity, therefore, the deep ocean circulation is also referred to as Thermohaline circulation.

Q58. Which of the following types of climate is because of the impact of two different planetary winds?

- a. Monsoon
- b. Mediterranean
- c. Equatorial
- d. Tundra

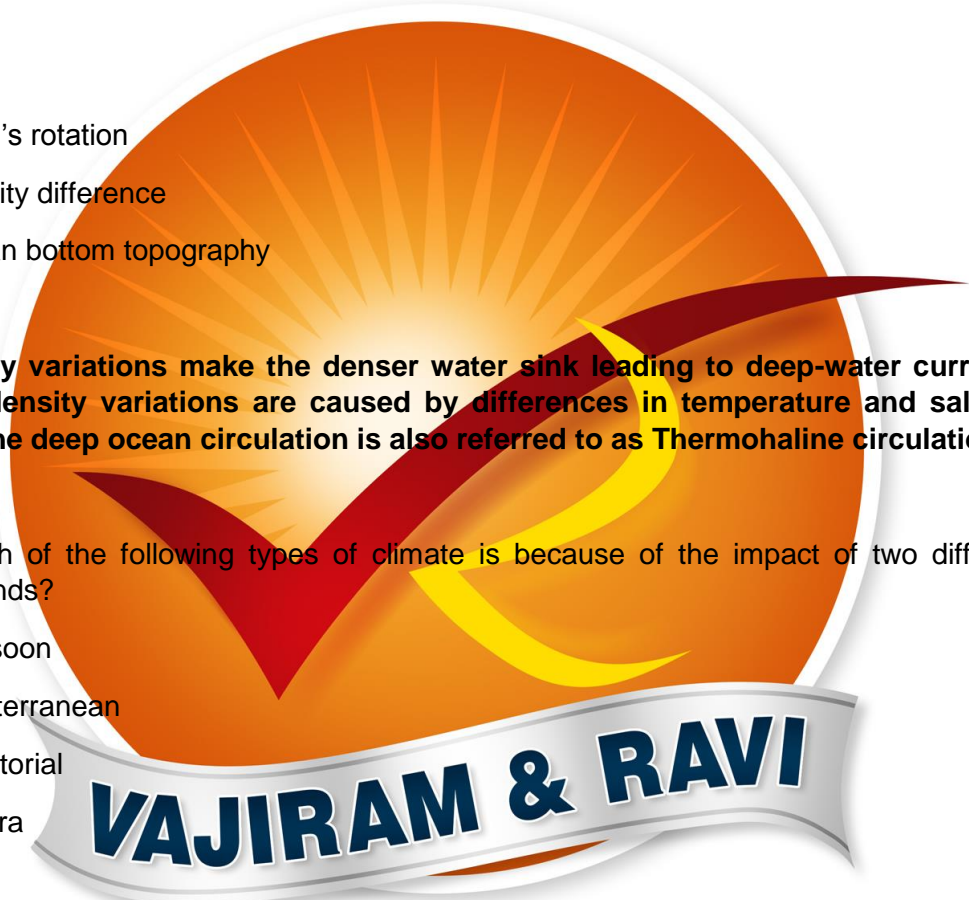
Answer: b

Exp: Because of the shift of pressure belts, the Mediterranean type climate areas are under the influence of Trade winds during their respective summer whereas during their respective winter, these areas come under the influence of moist westerlies. These areas are west facing coastal locations in lower middle latitudes (30 degree -40 degree). Their summers are hot and dry whereas winters are cool and moist.

Q59. Consider the following:

1. Heat distribution on Earth.
2. Earth's rotation.

Which of these is/are responsible for atmospheric pressure distribution on Earth?



- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: c

Exp: Warm air, being lighter, rises and creates lower pressure as compared to colder air.

Earth's rotation causes Coriolis Effect and affects pressure distribution, for example, causes the subsidence of air in sub-tropical areas leading to higher pressure.

Q60. To which of the following heights, on an average, the temperature drop continues in the atmosphere?

- a. 8 km
- b. 10 km
- c. 12 km
- d. 14 km

Answer: c

Exp: The question is about troposphere's thickness. It is not same everywhere; it varies with the latitude and the season. On an average it is 8-10 km over the poles and 16-18 km over the equator.

Q61. Consider the following statements:

- 1. Lapse rate in atmosphere is steeper on a summer afternoon.
- 2. Temperature inversion enhances pollution levels in atmosphere.

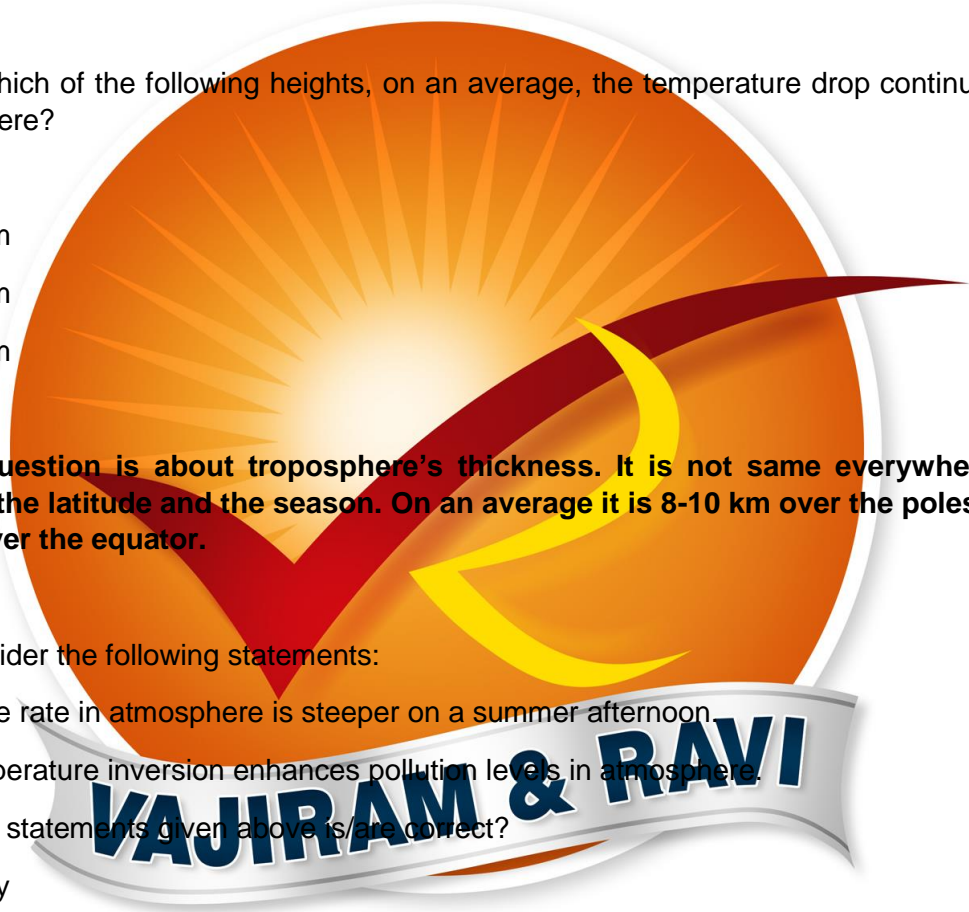
Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: c

Exp: On a summer afternoon, the air near the Earth will be disproportionately warm. The warm air on rising cools adiabatically.

Temperature inversion tends to stabilise air – the cold underlying air is heavier and cannot rise through the warmer air above. As a result the pollutants which are created on the Earth's surface, also fail to rise and spread out.



Q62. Consider the following:

1. Radiation
2. Convection
3. Conduction

Which of these mechanisms is/are responsible for solar energy to reach our planet?

- a. 1 only
- b. 1 and 2 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer: a

Exp: Unlike conduction and convection, which need a medium to travel through, radiant energy readily travels through the vacuum of space. Thus, radiation is the heat transfer mechanism by which solar energy reaches our planet.

Q63. Consider the following statements:

1. The third most abundant permanent gas in Earth's atmosphere is Argon.
2. Argon neither helps nor hinders life on Earth.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: c

Exp: In terms of % (by volume) of dry air, the first three gases are:

1. Nitrogen (78.08%)
2. Oxygen (20.95%)
3. Argon (0.93%)

Argon is not a chemically active gas.

Q64. Which of the following heat transfer processes accounts for lateral heat transfer that takes place within the atmospheric system?

- a. Radiation

The logo for Vajiram & Ravi features a stylized sun with rays in shades of orange and yellow, set against a dark red background. A yellow crescent moon is positioned to the right of the sun. Below the sun and moon is a white banner with the text "VAJIRAM & RAVI" in bold, blue, sans-serif capital letters.

- b. Conduction
- c. Advection
- d. Convection

Answer: c

Exp: Advection is the term applied to horizontal heat transfer within the atmosphere. Wind is the transfer agent of advection.

Q65. Consider the following statements:

1. The orientation of Earth's axis to the Sun's rays is constantly changing.
2. All places at the same latitude have identical sun angles, lengths of day and temperatures.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: a

Exp: As the Earth revolves around the Sun, the relationship between the two keeps changing.

Temperatures are controlled by various factors like altitude, distance from the sea, besides the Earth - Sun relationship.

Q66. Which of the following can have the greatest influence on the temperature of a place in the equatorial latitudes?

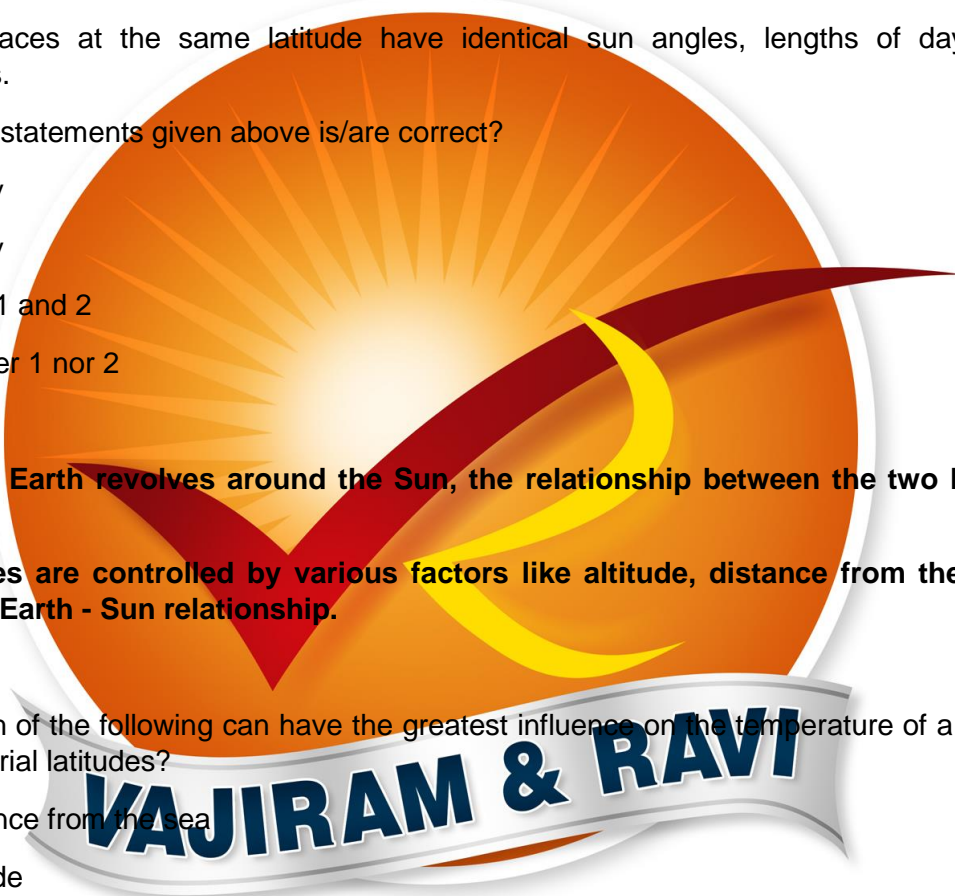
- a. Distance from the sea
- b. Altitude
- c. Ocean current
- d. Position of a place with respect to Sun's rays

Answer: b

Exp: There is a decrease in temperature with increase in elevation- altitude mimics latitude.

Position of a place with respect to Sun's rays is called Aspect.

Q67. Consider the following statements:



1. Warm ocean currents cause isotherms to be deflected poleward whereas the cold ocean currents cause an equator-ward bending.
2. As the isotherms leave the land, they usually bend rather sharply towards the pole in the hemisphere, experiencing winter and toward the equator in the summer hemisphere.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: c

Exp: Warm current takes the warmer water from lower to higher latitudes.

Cold current takes the colder water from higher to lower latitudes.

Second statement relates to the differential heating and cooling of land and water. The continents are hotter than the oceans in the summer and colder in the winter.

Q68. Which of the following surface application methods of irrigation is adaptable to a great variation in slope, crops and topography?

- a. Border method
- b. Furrow method
- c. Check basin method
- d. None of the above

Answer: b

Exp: The furrow method can be applied keeping different considerations relating to slope, crops and topography. The main design parameters are longitudinal slope, inflow stream, furrow spacing and furrow length.

Q69. Match List-I with List-II and select the correct answer using the codes given below:

List-I (Crop)

A. Rice

B. Oilseeds

C. Maize

D. Sugarcane

Codes

A B C D

List-II (Major Producer)

1. Uttar Pradesh

2. Madhya Pradesh

3. West Bengal

4. Maharashtra

VAJIRAM & RAVI

- | | | | | |
|----|---|---|---|---|
| a. | 3 | 4 | 1 | 2 |
| b. | 3 | 4 | 2 | 1 |
| c. | 4 | 3 | 2 | 1 |
| d. | 4 | 3 | 1 | 2 |

Answer: b

Q70. Consider the following statements with reference to the 22nd Conference of Parties (COP22) to the United Nations Framework Convention on Climate Change (UNFCCC), held in the Moroccan City of Marrakech:

1. India strongly argued for inclusion of agricultural losses due to climate change in loss and damage calculations.
2. Developed countries proposed agriculture to be considered a mitigation issue, meaning countries need to cut down emissions from agriculture.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: b

Exp: India should have argued for what is mentioned the first point but there was no official Indian representative in the discussions.

Developing countries wanted agriculture to be primarily treated as an adaptation issue so that farmers can be supported through finance and technology transfer to adapt to climate change impacts.

VAJIRAM & RAVI

Q71. Consider the following.

1. Inertia
2. Gravitation

Which of these is/are responsible for keeping a planet in its orbit?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: c

Exp: With his laws of motion, Newton has proved that the force of gravity-combined with the tendency of a planet to remain in straight-line motion-would result in a planet having an elliptical orbit, as established by Kepler.

Q72. At about which latitude, 1 degree of longitude has a linear distance value of about half of what it is at the equator?

- a. 60degree N/S
- b. 50degree N/S
- c. 45degree N/S
- d. 40degree N/S

Answer: a

Exp: Along the equator, which is a great circle, 1 degree of east-west distance is equal to approximately 111 km. This figure is found by dividing Earth's circumference – 40075 km by 360 degree . However, with an increase in latitude, the parallels become smaller, and the length of 1 degree longitude diminishes. Thus, at about latitude 60 degree N/S, 1degree longitude has a value equal to about half of what it is at the equator.

Q73. Consider the following:

- 1. Rate of change of Earth's rotational speed.
- 2. Coriolis Effect
- 3. Period of dawn and twilight.

Which of these increase as we move from equator to the poles?

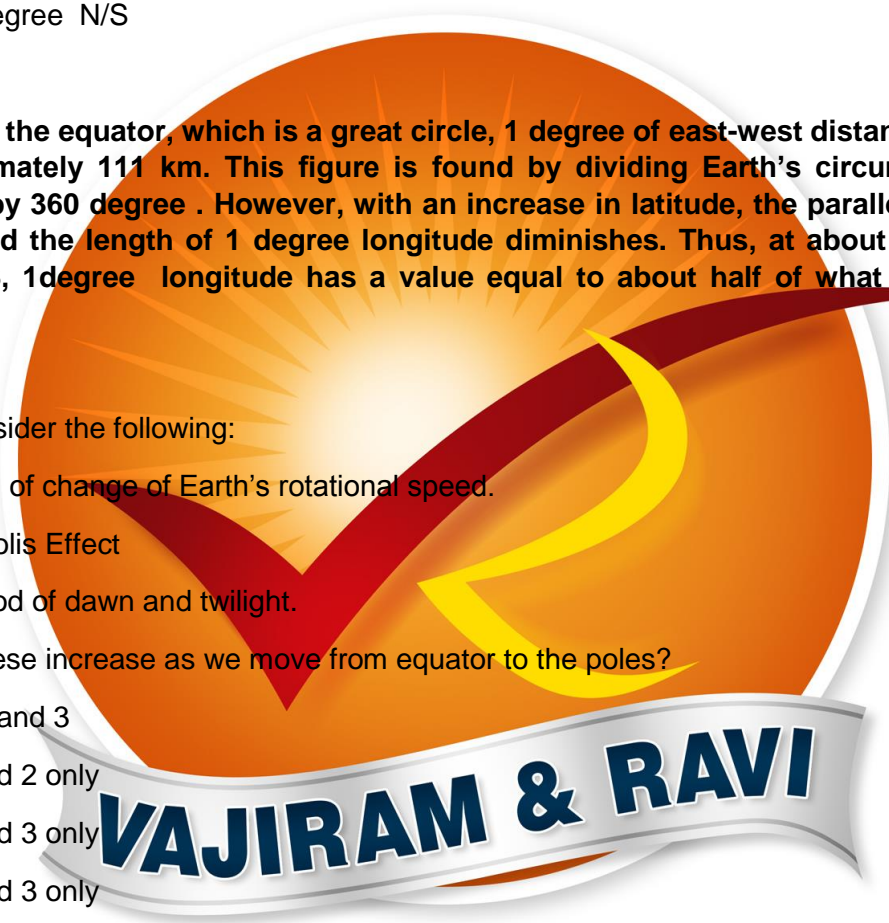
- a. 1, 2 and 3
- b. 1 and 2 only
- c. 2 and 3 only
- d. 1 and 3 only

Answer: a

Exp: Because of Earth's spherical shape the Earth's rotational speed decreases at an increasing rate from equator to the poles. And as a result of it the coriolis effect also increases as we go from equator to the poles.

The period of dawn and twilight increase toward the higher latitudes as the angle of solar rays decreases from lower to higher latitudes. With lower angles, Sun's rays pass through larger thicknesses of atmosphere resulting in more scattering and reflection and hence longer periods of dawn and twilight.

Q74. Consider the following:



1. MSP (Minimum Support Price) varies from State to State.
2. It is decided by taking into account cost of cultivation.
3. It is announced after the harvesting season of the crop.

Which of the statements given above is/are correct?

- a. 1 only
- b. 1 and 2 only
- c. 1 and 3 only
- d. 2 and 3 only

Answer: b

Exp: MSP is announced before the sowing season of the crop. After harvest government announces the procurement price.

Q75. Consider the following:

1. Liquefied Natural Gas is predominantly methane with some mixture of ethane.
2. Liquefied Natural Gas achieves a lower reduction in volume than Compressed Natural Gas.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: a

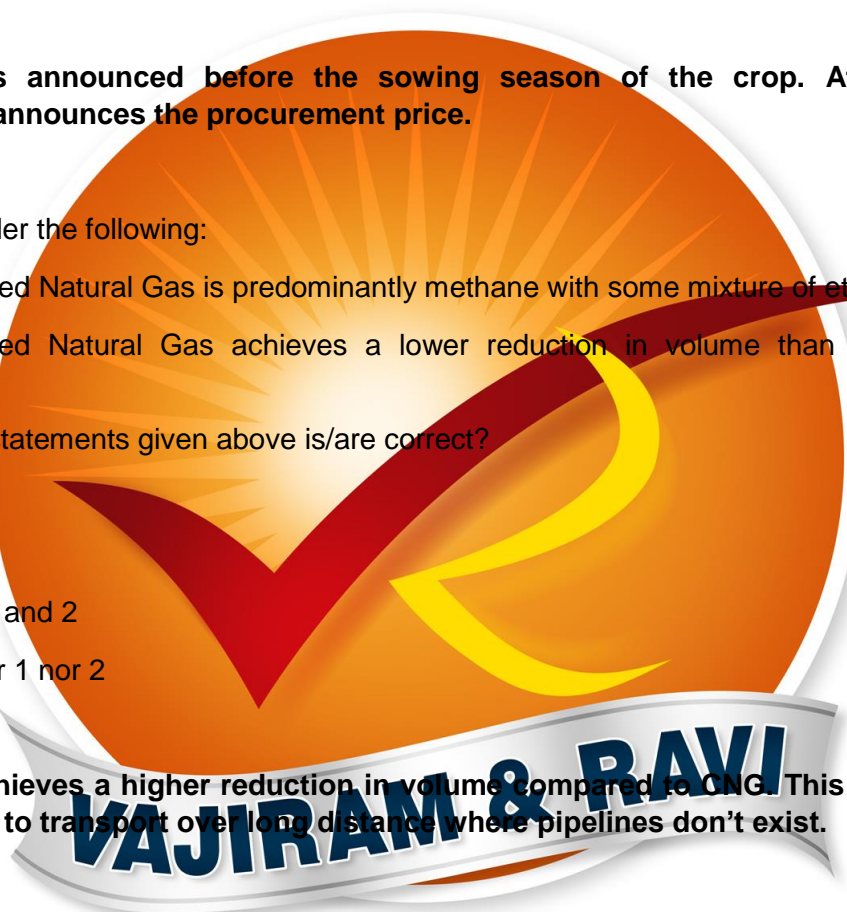
Exp: LNG achieves a higher reduction in volume compared to CNG. This makes LNG cost efficient to transport over long distance where pipelines don't exist.

Q76. Consider the following statements:

1. Durum wheat which is used for making pasta and semolina has higher protein content.
2. It is cultivated majorly in Madhya Pradesh.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2



Answer: c

Exp: It is grown in Malwa region of M.P. and has high protein content. It is used for commercial purposes like making of pasta and bread.

Q77. Consider the following statements:

1. Tea plantations require shade.
2. Maximum productivity in India is during monsoon season.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: c

Exp: Tea requires

- **Heavy Rainfall (but water should not stagnate near the roots of the plant).**
- **Well drained soil.**
- **20degree -30 degree C is ideal for tea.**
- **It's a shade loving plant.**

In India, maximum productivity is during monsoon when temperature and rainfall conditions are ideal.

Q78. Consider the following statements:

1. Ken-Betwa link canal will irrigate drought-prone Bundelkhand region.
2. It will submerge Panna Tiger Reserve.
3. Dhaudan dam is part of Ken-Betwa link canal.

Which of the statements given above is/are correct?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2 and 3

Answer: d

Exp: Ken-Betwa link canal will submerge some areas of Panna Tiger Reserve due to construction of Dhaudan dam. It will irrigate Bundelkhand region that covers districts of both M.P. and U.P.



VAJIRAM & RAVI

Ken and Betwa rivers are tributaries of Yamuna meeting it as right bank tributaries.

Q79. Consider the following:

1. Mesta
2. Sunhemp
3. Ramie

Which of the above is/are substitute for Jute?

- a. 1 only
- b. 1 and 2 only
- c. 1 and 3 only
- d. 1, 2 and 3

Answer: d

Exp: All are substitutes for Jute.

Q80. Consider the following:

1. Bagasse
2. Molasses
3. Press Mud

Which of the above are by products of sugar industry?

- a. 1 only
- b. 1 and 2 only
- c. 1 and 3 only
- d. 1, 2 and 3

Answer: d

Exp: All are by products of sugar industry that also are a source of revenue generation.

Bagasse is used for paper industry, co-generation.

Molasses is used for ethanol and rum manufacturing.

Press Mud is used as fertiliser/manure.

Q81. Consider the following:

1. Increase Minimum Support Price (MSP) on pulses.
2. Allow Genetically Modified (GM) varieties of pulses.



3. Remove export restrictions.

Which of the above are recommendations of Arvinda Subramaniyan Committee on Pulses?

- a. 1 and 2 only
- b. 1 and 3 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer: d

Exp: The Committee recommended that if export restrictions are removed then price in market will increase and farmers will be encouraged to cultivate pulses.

Q82. Consider the following:

- 1. Plant matures early.
- 2. Yield is higher with low input.
- 3. Lesser labour force is required.

Which of the above are advantages of System of Rice Intensification (SRI)?

- a. 1 only
- b. 1 and 2 only
- c. 1 and 3 only
- d. 1, 2 and 3

Answer: b

Exp: In SRI method more labour is required as transplantation is done early and weeding is needed.

Q83. The World's first-ever Cybathlon championship for disabled athletes, which is popularly known as 'Bionic Olympics' has been held in which one of the following countries?

- a. United States of America
- b. Switzerland
- c. China
- d. Brazil

Answer: b

Exp: The World's first-ever Cybathlon championship for disabled athletes has been held at Zurich in Switzerland. The championship popularly known as 'Bionic Olympics', differs from the Paralympics as it sees participants compete against each other using the latest assistive technologies such as robotic prostheses, brain-computer interfaces and powered exoskeletons.

The logo for Vajiram & Ravi features a stylized sun with rays in shades of orange and yellow, set against a dark red background. A large, bold, white checkmark is superimposed over the sun. Below the sun, the text "VAJIRAM & RAVI" is written in a bold, blue, sans-serif font, with a white outline and a slight shadow effect.

Q84. Consider the following statements about the recently changed passport rules:

1. No marriage certificates will be needed for married applicants.
2. Divorcees will not need to name the spouse.
3. Sadhus can name their spiritual gurus in lieu of the name of their parents.
4. No need of birth certificate now.

Which of the statements given above are correct?

- a. 1 and 2 only
- b. 1, 2 and 3 only
- c. 1 and 4 only
- d. 1, 2, 3 and 4

Answer: d

Exp: In a move to speed up and simplify the passport delivery process, the government has announced a series of steps that would help single mothers, orphaned children, divorcees, and sadhus obtain passports with ease.

Q85. Consider the following statements:

1. Ministry of Urban Development has declared all Archaeological Survey of India-protected monuments and archaeological sites as 'polythene-free zones'.
2. Rani ki Vav, a World Heritage site has been declared as the cleanest iconic place in the country.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: b

Exp: Ministry of Culture has declared all ASI-protected monuments and archaeological sites as 'polythene-free zones'.

Q86. The National Mission on Bioeconomy has been launched by the Institute of Bio-resources and Sustainable Development (IBSD). With respect to the above which of the following statements given below is/are correct?

1. The launching agency IBSD functions under the Department of Biotechnology, Union Ministry of Science and Technology.

The logo for Vajiram & Ravi features a large orange circle with a sunburst pattern. A red checkmark is superimposed on the circle, and a yellow crescent moon is positioned to its right. Below the circle is a white banner with the text "VAJIRAM & RAVI" in bold, blue, sans-serif capital letters.

VAJIRAM & RAVI

2. The purpose of the mission is to boost rural economy by utilizing bio-resources.

Select the correct answer using the codes given below:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: c

Exp: It was launched in Shillong, Meghalaya and its purpose is to boost rural economy.

Q87. Mitochondrial replacement therapy is related to which of the following?

- 1. Three parent baby
- 2. Stem cell research
- 3. Surrogacy using Assisted Reproductive Therapy

Select the correct answer using the codes given below:

- a. 1 and 2 only
- b. 1 and 3 only
- c. 1 only
- d. 1, 2 and 3

Answer: a

Exp: The world's first three-parent baby boy was born in Mexico to a Jordanian couple with the help a controversial new fertility technique that incorporates DNA from three people in the embryo. The "three-parent" technique also known as Mitochondrial donation (Mitochondrial Replacement Therapy) allows parents with rare genetic mutations to have healthy babies.

Q88. Which of the following statements regarding Indira Gandhi International Airport is incorrect?

- a. The Indira Gandhi International Airport has become Asia-Pacific's second and one of the world's few airports to achieve a "carbon neutral" status.
- b. The airport is managed by private operator Delhi International Airport Ltd (DIAL).
- c. The Airports Council International (ACI) is the authority to assess the carbon neutral status of an airport.
- d. Less than 25 airports in the world, most of them in Europe, have earned carbon neutral status.

Answer: a

Exp:

Q89. Which of the following is true about the Marrakesh VIP treaty which recently came into force?

1. It was negotiated by the members of the World Trade Organisation.
2. It will facilitate access to published works by visually impaired persons and persons with print disabilities.
3. India was the first country to ratify the Marrakesh treaty.
4. It is part of Marrakesh Agreement signed at the end of Uruguay round of discussions for establishing WTO.

Select the correct answer using the codes given below:

- a. 1, 2 and 3 only
- b. 2 and 3 only
- c. 1 and 4 only
- d. None of the above

Answer: b

Exp: On Sep 29th, Marrakesh Treaty came into force, after 22 countries ratified the treaty adopted in 2013 by members of World Intellectual Property Organization (WIPO) with the aim to facilitate Access to Published works by Visually Impaired Persons and Persons with Print Disabilities. It is also called "Books for Blind" treaty.

Highlights: India was the first country to ratify the Marrakesh Treaty back in July 2014 and has set an example for other countries to follow. India has 63 million visually impaired people, of whom about 8 million are blind, according to WHO. India has begun implementation of the Marrakesh Treaty through a multi-stakeholder approach, which includes collaboration among key players such as government ministries, local champions like the DAISY Forum of India, and the private sector. In line with Marrakesh treaty, India launched Accessible India Campaign (Sugamya Bharat Abhiyan) and has set up Sugamya Pustakalaya, which has 2,00,000 volumes.

(Note: It is not to be confused with Marrakesh Agreement signed at the end of Uruguay round of discussions for establishing WTO.)

Q90. In collaboration with which of the following International Financial institutions is India's East Coast Economic Corridor being developed?

- a. Asian Development Bank
- b. Asian Infrastructure and Investment Bank
- c. New Development Bank
- d. International Development Association (World Bank)

Answer: a

Exp: India has planned to build its first Eastern Coast Economic Corridor (ECEC) from West Bengal to Tuticorin in Tamil Nadu.

As part of the project, recently, the Asian Development Bank approved a \$631 million loan for the construction of industrial corridor between Vishakhapatnam and Chennai (VCIC).

The fund will help develop the first key 800-km section of the planned 2,500-km East Coast Economic Corridor. The remaining \$215 million will be funded by the Andhra Pradesh government.

The idea is to not just build new ports or upgrade old ones but raise entire industrial ecosystems that encompass several such ports.

The ADB loan will help the government build state-of-the art industrial clusters, roads, efficient transport, and reliable water and power supplies with a skilled workforce and good business policies.

Q91. Within which of the following does China lay sovereign claim over the waters of the South China Sea?

- a. Seven-Dash Line
- b. Eight-Dash Line
- c. Nine-Dash Line
- d. Ten-Dash Line

Answer: c

Exp: The 'nine-dash line' stretches hundreds of kilometres south and east of its southerly Hainan Island, covering the strategic Paracel and Spratly island chains. China buttresses its claims by citing 2,000 years of history when the two island chains were regarded as its integral parts.

The Permanent Court of Arbitration (PCA) in The Hague, Netherlands, has ruled that China's claims of historical rights over South China Sea (SCS) has no legal basis. The case was brought to the court in 2013 by the Philippines, centring on the Scarborough Shoal, but Beijing chose to boycott the proceedings.

Q92. India received the YAWS free status from WHO in 2016. With reference to the YAWS disease which of the following statements are correct?

- 1. Yaws is a chronic infection that affects mainly the skin, bone and cartilage.
- 2. It is caused by a virus
- 3. Yaws is transmitted mainly through direct skin contact with an infected person.
- 4. The disease is rarely fatal

Select the correct answer using the codes given below:

- a. 1 and 2 only
- b. 1, 2 and 3 only
- c. 1, 3 and 4 only
- d. 1, 2, 3 and 4

Answer: c

Exp: The disease is caused by a bacterium called Treponema pertenu. All the other statements are correct.

Q93. Which of the following correctly indicates the nature of the INSAT 3 DR satellite that was successfully launched by ISRO recently?

- a. Advanced meteorological satellite
- b. Communication satellite
- c. Experimental satellite
- d. Navigation satellite

Answer: a

Exp:

ISRO GSLV F05 spacecraft placed INSAT 3DR an advanced weather satellite to provide better night time images of low clouds and fog, estimation of sea surface temperature and augment the capability to provide various meteorological as well as search and rescue services.

Q94. Which of the following statements relating to the Surrogacy Bill 2016 that has been introduced in the Lok Sabha are correct?

1. The Non-resident Indians or People of Indian Origin card holders will be allowed to take recourse to surrogacy services in India.
2. The Bill makes it mandatory for surrogate mothers to be married and be a close relative of the couple wanting a child. She should also have given birth to a healthy child before bearing a baby for another couple
3. A National Surrogacy Board chaired by the Health Secretary will be created to oversee implementation.
4. Legally wedded Indian couples can have a surrogate child only after five years of legal marriage and will require a medical certificate as proof of infertility.

Select the correct answer using the codes given below:

- a. 1 and 2 only
- b. 1, 2 and 3 only
- c. 2 and 4 only

VAJIRAM & RAVI

d. 2, 3 and 4 only

Answer: c

Exp:

A Bill has been introduced in Lok Sabha that seeks to ban commercial surrogacy and allow only infertile couples to bear a child using a surrogate mother.

Provisions of Proposed Bill:

Non-resident Indians or People of Indian Origin card-holders will not be allowed to take recourse to a surrogate mother in India. Legally wedded Indian couples can have a surrogate child only after five years of legal marriage and will require a medical certificate as proof of infertility.

The bill makes it mandatory for surrogate mothers to be married and be a close relative of the couple wanting a child. She should also have given birth to a healthy child before bearing a baby for another couple. A woman can only bear one surrogate child. Violating the law can earn 10 years in jail term or fine of 10 Lakh rupees. A National Surrogacy Board chaired by the Health Minister will be created to oversee implementation.

Q95. Consider the following statements related to Unified Payment Interface (UPI)?

1. It is a platform to transfer money from one account to another instantly using UPI ID.
2. It is developed by the RBI under the guidelines of NPCI (National Payments Corporation of India).
3. The interface is based on Real Time Gross Settlement (RTGS) platform.

Which of the statements given above is/are correct?

- a. 1 and 3 only
- b. 2 and 3 only
- c. 2 only
- d. 1 only

Answer: d

Exp: Only statement 1 is true. It is developed by NPCI under the guidelines of RBI. The interface is based on IMPS platform.

Q96. India recently celebrated the 100th birth anniversary of M S Subbalakshmi, the veteran Carnatic classical music exponent. Consider the following statements about her:

1. She was the first Indian musician to receive Bharat Ratna, the highest civilian award in India.
2. MS Subbalakshmi, D K Pattammal and M L Vasanthakumari are popularly known as the 'female trinity of the Carnatic music'.

The logo for Vajiram & Ravi features a stylized orange and red sunburst or flame-like shape in the background. A yellow crescent moon is positioned to the right of the sunburst. Below these elements is a white banner with a blue border containing the text "VAJIRAM & RAVI" in bold, blue, sans-serif capital letters.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: c

Exp:

Q97. Consider the following statements:

- 1. Hepatitis A, Hepatitis B, and Hepatitis C are diseases caused by different bacteria.
- 2. Hepatitis C appears only as an acute or newly occurring infection and does not become chronic.
- 3. Hepatitis B is a transmissible disease — it spreads the same way as HIV.

Which of the statements given above is/are correct?

- a. 1 and 2 only
- b. 3 only
- c. 2 and 3 only
- d. None of the above

Answer: d

Exp: Hepatitis A, Hepatitis B, and Hepatitis C are diseases caused by three different viruses. People with Hepatitis A usually improve without treatment. Hepatitis A appears only as an acute or newly occurring infection and does not become chronic. Hepatitis C is a transmissible disease it spreads the same way as HIV and if not treated can lead to chronic conditions of the liver such as liver cirrhosis, cancer or failure.

VAJIRAM & RAO

Q98. Which one of the following is the best description of 'INS TIHAYU', that was in news recently?

- a. It is a Nuclear-powered aircraft carrier
- b. It is a Water Jet Fast Attack Craft
- c. It is a Torpedo launch and recovery vessel
- d. It is an Amphibious warfare ship

Answer: b

Exp: TIHAYU is a Water Jet Fast Attack Craft (WJFAC). It was built by Garden Reach Shipbuilders and Engineers Limited (GRSE), Kolkata. It is named after an island in the Andaman, TIHAYU.

Q99. Recently, which of the following States has commissioned the 'world's largest solar power plant' with an installed capacity of 648 MW?

- a. Andhra Pradesh
- b. Maharashtra
- c. Gujarat
- d. Tamil Nadu

Answer: d

Exp: The 'world's largest solar power plant' with an installed capacity of 648 MW has been commissioned at Kamudhi in Ramanathapuram district of Tamil Nadu.

Q100. Consider the following statements:

- 1. Druzhba is the first military exercise between Russia and Pakistan.
- 2. CORPAT is the bilateral maritime exercise between India and France.
- 3. Mitra Shakti is the joint military exercise between India and Russia.

Which of the statements given above is/are correct?

- a. 1 only
- b. 1 and 2 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer: a

Exp: CORPAT is the bilateral maritime exercise between India and Indonesia. And Mitra Shakti is the joint military exercise between India and Sri Lanka.



VAJIRAM & RAVI