

No of Questions: 120

Time: 2 ½ Hours

- The overfishing and destruction of the Great Banks the destruction of salmon runs on rivers having been dammed and the devastation of sturgeon fishery on the Columbia river in the northwest United States exemplify:**
  - Resources depletion
  - Overfishing and overpopulation
  - Over population in companion animals
  - Tragedy of the commons.
- A new pain killer stronger than morphine was found in the venom of:**
  - Horse-shoe crab
  - Krait
  - Cone-snail
  - Scorpion
- Consider the following statements:**
  - Eutrophication disrupts natural functioning of the ecosystem bringing about negative environmental effects.
  - Enhanced growth of the-phytoplankton and algal blooms leads to lack of oxygen in the water body resulting in severe reduction in fish and other animal populations.

**Which of the above statements are correct?**

  - 1 2
  - 1 only
  - 2 only
  - Neither 1 nor 2
- Consider the following statements:**
  - Indian ministry of Environment and Forests proposes a 300 crore Cheetah Reproduction Project to translocate this exotic African species from Namibia to Palpur-Kuna Sanctuary in MP,
  - As per the proposal each cheetah will cost Rs 2 crore when total budget for Project tiger is only 80 crores for 600 National Parks and Sanctuaries.
  - Other countries are spending huge amounts to protect foreign species introduced in their habitats like European rabbits in Australia and Indian Tahr in South Africa.
  - India has taken a questionable decision to introduce cheetah, an alien exotic species, into its biosphere -a proposition shunned by Wildlife experts.

**Which of the above statements are correct?**

  - 1,2
  - 1,2,3
  - 1,2,4
  - 1,2,3,4
- Consider the following statements:**
  - Nitric acid is used in the production of fertilizers.
  - Sulphuric acid is used in the production of explosives. Which of the statements given above is/are correct?
  - Only1
  - Only2
  - Both1 and2
  - Neither1 nor2
- Which one of the following is the secondary source of light in a fluorescent lamp?**
  - Neon gas
  - Argon gas
  - Mercury vapour
  - Fluorescent coating
- Which among the following elements is abundant on the lunar surface and holds the potential to put an end to the energy crisis of the earth?**
  - Helium-I
  - Helium-II
  - Helium-III
  - Helium-IV
- The law enforcement agencies use a chemical test to approximate a person's blood alcohol level. The person undergoing the test blows into the mouthpiece of a bag containing sodium dichromate solution in acidic medium. A chemical reaction with ethanol changes the colour of the solution from**
  - orange to green
  - orange to colourless
  - yellow to orange
  - colourless to orange
- Sodium the sulphate ( $\text{Na}_2 \text{S}_2\text{O}_3$ ) solution is used in photography to**
  - remove reduced silver
  - reduce silver bromide (AgBr) grain to silver
  - remove undecomposed AgBr as a soluble silver thiosulphate complex
  - convert the metallic silver to silver salt
- Which one among the following polymers is used for making bulletproof material?**
  - Polyvinyl chloride
  - Polystyrene
  - Polyethylene
  - Polyamide
- Food cans are coated with tin but not with zinc because**
  - zinc is costlier than tin
  - zinc has a higher melting point than tin
  - zinc is more reactive than tin
  - tin is more reactive than zinc
- Which of the following statements is/are correct?**
  - Amnion contains fluid.
  - Ultrasound scan can detect the sex of an embryo. Select the correct answer using the

codes given below

- a) Only1                      b) Only2  
c) Both1 and2                d) Neither1 nor2

13. Electricity is produced through dry cell from

- a) chemical energy  
b) thermal energy  
c) mechanical energy  
d) nuclear energy

14. Soap forms a colloidal solution in water and removes the greasy matter by

- a) absorption                b) emulsification  
c) electrolysis                d) electrophoresis

15. Different chromatographic techniques are used to separate

- 1) all sorts of mixtures  
2) only volatile components  
3) only solid components  
4) only isomers

The correct term(s) is/are

- a) 1 only                      b) 1,4 only  
c) 2,3 only                    d) 3,4 only

16. A. Zeroth law of thermodynamics states that thermodynamic equilibrium is an equivalence relation.

B. First law of thermodynamics deals with the conservation of energy.

Select the correct option:

- a) A is true                    b) B is true  
c) A B both are true        d) A B both are false

17. Which one of the following common devices works on the basis of the principle of mutual induction?

- a) Tubelight                    b) Transformer  
c) Photodiode                d) LED

18. A diffraction pattern is obtained using a beam of red light. Which one among the following will be the outcome, if the red light is replaced by blue light?

- a) Bands disappear  
b) Diffraction pattern becomes broader and further apart  
c) Diffraction pattern becomes narrower and crowded together  
d) No change

19. Viewfinders, used in automobiles to locate the position of the vehicles behind, are made of

- a) plane mirror                b) concave mirror  
c) convex mirror                d) parabolic mirror

20. The best colours for a sun umbrella will be

- a) black on top and red on inside  
b) black on top and white on inside  
c) red on top and black on inside  
d) white on top and black on inside

21. The main source of energy in sun is

- a) nuclear fusion            b) nuclear fission  
c) chemical reaction        d) mechanical energy

22. The upper and lower portions in common type of bi-focal lenses are respectively

- a) concave and convex  
b) convex and concave  
c) both concave of different focal lengths  
d) both convex of different focal lengths

23. Two pieces of conductor of same material and of equal length are connected in series with a cell. One of the two pieces has cross-sectional area double that of the other.

Which one of the following statements is correct in this regard?

- a) The thicker one will allow stronger current to pass through it.  
b) The thinner one would allow stronger current to pass through it.  
c) Same amount of electric current would pass through both the pieces producing more heat in the thicker one.  
d) Same amount of electric current would pass through both the pieces producing more heat in the thinner one.

24. A stone tied at the end of a string is whirled in a circular orbit. If the length of the string and the velocity of the stone are both doubled, the tension in the string

- a) Is also doubled            b) Becomes four times  
c) Is halved                    d) Remains unchanged

25. The failure of light to travel strictly in a straight line is known as

- a) Dispersion                    b) Polarization  
c) Refraction                    d) Diffraction

26. The working principle of a washing machine is:

- a) Capillarity                    b) Centrifugation  
c) Decantation                d) Diffusion

27. Consider the following statements:

1. The apparent weight of a body floating in a liquid is zero.  
2. The weight of the liquid displaced by the immersed part of the body equals its weight.

Which of the above statements is/are true?

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

28. Which of the following units of land area measurement are prevalent in India?

- 1) Bigha                        2) Kanal  
3) Kila or keela                4) Katha

Which of the above answers is/are correct?

- a) 1 and 2 only                b) 1 and 3 only  
c) 1, 2 and 3 only            d) All four

29. Who of the following constitutes a Finance Commission for a State in India?

- a) The President of India  
 b) The Governor of the State  
 c) The Union Finance Minister  
 d) The Union Cabinet
- 30. Assertion** a) An award made by a Lok Adalat is deemed to be a decree of a Civil Court.  
**Reason (R)** Award of Lok Adalat is final and binding on all parties, and no appeal lies against it before any court.  
 Codes  
 a) Both A and R are true and R is the correct explanation of A  
 b) Both A and R are true, but R is not the correct explanation of A  
 c) A is true, but R is false  
 d) A is false, but R is true
- 31. In which one of the following Ministries the census organisation has been functioning on a permanent footing since 1961?**  
 a) Health and Family Welfare  
 b) Home Affairs  
 c) Social Justice and Empowerment  
 d) Human Resource Development
- 32. The quorum for Joint Sitting of the Indian Parliament is**  
 a) One-twelfth of the total number of members of the House  
 b) One-sixth of the total number of members of the House  
 c) One-tenth of the total number of members of the House  
 d) Two-thirds of the total number of members of the House
- 33. Which one of the following is a human right as well as a Fundamental Right under the Constitution of India?**  
 a) Right to Information  
 b) Right to Education  
 c) Right to Work  
 d) Right to Housing
- 34. Formal or procedural democracy does not by any means guarantee**  
 a) political and civil rights  
 b) constitutionalism  
 c) the rule of law  
 d) absence of caste discrimination
- 35. Which of the following statements regarding writ of certiorari is/are correct?**  
 1. There should be a court, tribunal or an officer having legal authority to determine the questions of deciding Fundamental Rights with a duty to act judicially.  
 2. Writ of certiorari is available during the tendency of proceedings before a subordinate court.

Select the correct answer using the codes given below

- a) Only 1  
 b) Only 2  
 c) Both 1 and 2  
 d) Neither 1 nor 2

**36. Which of the following statements is/are correct? Under the provisions of Article 200 of the Constitution of India the Governor of a state may**

- Withhold his assent to a Bill passed by the state legislature.
- Reserve the Bill passed by the state legislature for consideration of the President.
- Return the Bill, other than a money Bill, for reconsideration of the legislature.

Select the correct answer using the codes given below

- a) Only 1  
 b) 1 and 2  
 c) 2 and 3  
 d) All of the above

**37. The Constitution of India is republican because it**

- provides for an elected Parliament
- provides for adult franchise
- contains a bill of rights
- has no hereditary elements

**38. Which one among the following is not a recommendation of the Sarkaria Commission on the appointment of the Governor in a state?**

- He/She must not have participated in active politics at least for some time before his/her appointment as Governor
- The Chief Justice of the Supreme Court may be consulted by the President in selecting a Governor
- The Governor's term of office of five years should not be disturbed except very rarely
- The Governor should not be the native of the state

**39. Which one among the following statements is not correct?**

- The right conferred by Article 32 cannot be suspended except by virtue of Article 359 (1) of the Constitution of India
- The enforcement of Articles 20 and 21 cannot be suspended
- Punishments can be prescribed by a State Legislature for offences under Part III of the Constitution of India
- The Fundamental Rights can be abrogated by law made by the Parliament with regard to members of the forces charged with the maintenance of public order

**40. The subject matter of an adjournment motion in the Parliament**

1. must be directly related to the conduct of the Union Government.
2. may involve failure of the Government of India to perform its duties in accordance with the Constitution. Select the correct answer using the codes given below
- a) Only 1                      b) Only 2  
c) Both 1 and 2              d) Neither 1 nor 2
- 41. Which of the following statements are correct regarding Joint Session of the Houses of the Parliament in India?**
1. It is an enabling provision, empowering the President to take steps for resolving deadlock between the two Houses.
2. It is not obligatory upon the President to summon the Houses to meet in a joint sitting.
3. It is being notified by the President.
4. It is frequently resorted to establish the supremacy of the Lok Sabha.
- Select the correct answer using the codes given below**
- a) 1 and 2                      b) 1, 2 and 3  
c) 2 and 3                      d) 3 and 4
- 42. Which of the following is not true of Article 32 of the Indian Constitution?**
- a) It gives the Supreme Court and the High Courts the power to issue writs for the enforcement of Fundamental Rights.
- b) It is included in Part III of the Indian Constitution and is therefore itself a Fundamental Right.
- c) Dr. Ambedkar called it the very soul of the Indian Constitution'.
- d) An aggrieved person has no right to complain under Article 32 where a Fundamental Right has not been violated.
- 43. Which of the following committee overviews the welfare of the Schedule Castes and Scheduled Tribes:**
- a) Parliamentary Committee  
b) Judicial Committee  
c) Lok Sabha Committee  
d) Rajya Sabha Committee
- 44. Which of the following article provides for the election of the Speaker and Deputy Speaker of the Lok Sabha?**
- a) Art 95                      b) Art 85  
c) Art 90                      d) Art 93
- 45. Which one of the following glands in the human body stores iodine?**
- a) Parathyroid                b) Thyroid  
c) Pituitary                    d) Adrenal
- 46. Cloves, used as a spice, are derived from which of the following plant parts?**
- a) Seeds                      b) Fruits  
c) Flower buds              d) Young leaves
- 47. By using which one of the following techniques, is DNA fingerprinting done?**
- a) ELISA                      b) RIA  
c) Northern Blotting  
d) Southern Blotting
- 48. Bryophytes are photosynthetic but do not have vascular tissue and true roots. This feature enables them to resemble with which of the following?**
- a) Fungi                      b) Algae  
c) Pteridophytes              d) Angiosperms
- 49. Which one of the following is not a feature of eutrophic lakes?**
- a) Blooms are frequent in eutrophic lakes  
b) Plant nutrient flux is high  
c) Primary productivity is low  
d) Dominated by blue green algae
- 50. Which one among the following plants cannot be multiplied by cuttings?**
- a) Rose                      b) Bryophyllum  
c) Banana                      d) Marigold
- 51. Cattle are capable of digesting cellulose present in the grass and/or fodder that they eat. This ability is attributed to the**
- a) presence of cellulose degrading bacteria in the rumen  
b) production of cellulose by the cattle rumen  
c) acids present in the rumen  
d) prolonged retention of cellulose in the rumen
- 52. Dog bite can cause rabies. Which among the following other animals can also cause rabies?**
- a) Donkey                      b) Bat  
c) Horse                      d) Crocodile
- 53. Which one among the following vitamins is necessary for blood clotting?**
- a) Vitamin A                    b) Vitamin D  
c) Vitamin K                    d) Vitamin C
- 54. Which one among the following groups of items contains only biodegradable items?**
- a) Paper, grass, glass  
b) Wood, flower, iron-scrap  
c) Sewage, plastic, leather  
d) Cow-dung, paddy-husk, vegetable wastes
- 55. Which of the following parts are found in both plant and animal cells?**
- a) Cell membrane, Chloroplast, Vacuole  
b) Cell wall, Nucleus, Vacuole  
c) Cell membrane, Cytoplasm, Nucleus  
d) Cell wall, Chloroplast, Cytoplasm
- 56. What does sphygmomanometer measure?**
- a) Blood pressure  
b) Velocity of fluids

- c) Temperature  
d) Curvature of spherical surfaces
- 57. The acronym SRO, being used in the capital market for various market participants, stands for which one of the following?**
- a) Self regulatory Organisations  
b) Small Revenue Operators  
c) Securities Roll-back Operators  
d) Securities Regulatory Organisations
- 58. Match the following List I List II (Five Year Plan) (Emphasis)**
- |             |  |
|-------------|--|
| A. First -  | 1. Food security and women empowerment   |
| B. Second - | 2. Heavy industries                      |
| C. Fifth -  | 3. Agriculture and community development |
| D. Ninth -  | 4. Removal of poverty                    |
- Codes: A B C D**
- a) 1 2 4 3                      b) 1 4 2 3  
c) 3 2 4 1                      d) 3 4 2 1
- 59. Which one among the following is a fixed cost to a manufacturing firm in the short run?**
- a) Insurance on buildings  
b) Overtime payment to worker  
c) Cost of energy  
d) Cost of raw materials
- 60. The Government of India and Reserve Bank of India have decided to introduce 1 billion pieces of ` 10 notes in polymer/ plastic on a field trial basis. Which of the following is/ are the objectives behind this move?**
- Increase of the lifetime of the notes.
  - Combating counterfeiting.
  - Reducing the cost of minting of currency.
- Select the correct answer using the codes given below**
- a) 1 and 2                      b) Only 2  
c) Only 3                      d) All of the above
- 61. Consider the following statements relating to the World Bank:**
- The World Bank was established in 1946, which is headquartered in New York.
  - The World Bank Group has set for itself the goal to end extreme poverty from the World by 2030.
  - The World Bank is a vital source of financial and technical assistance to developing countries around the world. It is not a bank in the ordinary sense but a unique partnership to reduce poverty and support development.
  - The World Bank Group comprises five institutions managed by their member countries in order to promote shared prosperity by fostering the income growth of the bottom 40% for every country.
- Which of the statements given above are correct?**
- a) 1, 2 and 3                      b) 2, 3 and 4  
c) 1, 3 and 4                      d) 2 and 4 only
- 62. Demand for a commodity refers to**
- a) Desire for that commodity  
b) Need for that commodity  
c) Quantity demanded of that commodity  
d) Quantity demanded at certain price during any particular period of time
- 63. The Government has undertaken grading and standardization of various agricultural products through the:**
- a) Food Corporation of India  
b) Directorate of Marketing and Inspection  
c) Indian Standards Institution  
d) Central Statistical Organisation
- 64. Which of the following is not one of the deficit financing methods in India?**
- a) Borrowing from RBI  
b) Borrowing from commercial banks  
c) Borrowing from IMF  
d) Printing new currency
- 65. Which among the following is not one of the important gold mines in the country?**
- a) Kolar                              b) Hospet  
c) Ramgiri                          d) Hutti
- 66. The Kew Economic Policy (1991) was launched in the background of the following economic indicators:**
- India's foreign exchange reserves had fallen to US\$ 1 billion.
  - The fall of the Soviet Union had deprived India of almost a quarter of its export market.
  - There was negative growth in real GDP.
  - Indian rupee had to be devalued by 45 percent.
- a) all 4                              b) only I  
c) I and II only                      d) I, II and III
- 67. The Indian institution that has filed more patents than all individual patents put together in India is:**
- a) CSIR                              b) ICAR  
c) AIIMS                              d) DRDO
- 68. Consider the following statements with regard to Planning Commission (PC) and Finance Commission (FC). Which of these statements is not true?**
- a) Both FC and PC are institutions for the transfer of resources from centre to the states.

- b) While PC is a permanent body, FC is constituted every five years.  
 c) Awards given by both are binding on the Central Government.  
 d) FC awards non-plan resources while PC allocates plan resources
- 69. The Sun Temple of Konark was built by Narasimhadeva I. To which dynasty did he belong to?**  
 a) Somavamsi dynasty  
 b) Imperial Ganga dynasty  
 c) Suryavansi Gajapati dynasty  
 d) Bhoi dynasty
- 70. Separate electorates for Muslims in India were introduced by which one of the following Acts?**  
 a) Government of India Act of 1909  
 b) Indian Councils Act of 1892  
 c) Rowlatt Act of 1919  
 d) Government of India Act of 1935
- 71. What is the correct sequence of the following events?**  
 1. Rowlatt Act  
 2. Gandhi-Irwin Pact  
 3. Morley-Minto Reforms  
 4. Illbert Bill
- Select the correct answer using the codes given below**  
 a) 1, 2, 4, 3                      b) 3, 4, 1, 2  
 c) 4, 1, 3, 2                      d) 4, 3, 1, 2
- 72. Consider the following statements relating to Sher Shah**  
 1. During Sher Shah's reign, the village Panchayat and Zamindars were not allowed to deal with civil and criminal cases at the local level.  
 2. Sher Shah set-up army cantonments in different parts of the empire and a strong garrison was posted in each of them.
- Which of the statements given above is/are correct?**  
 a) Only 1                              b) Only 2  
 c) Both 1 and 2                      d) Neither 1 nor 2
- 73. October 26, 1947 is an important date in the Indian history, because of**  
 a) Maharaja Hari Singh's signing on Instrument of Accession  
 b) ceasefire with Pakistan  
 c) merger of Sind  
 d) declaration of war over India by Pakistan
- 74. Consider the following statements relating to Indigo Revolt**  
 1. The Indigo Revolt is particularly memorable for the role played by the intelligentsia to uphold the cause of the movement.  
 2. After the revolt, the colonial authorities set-up the Indigo Commission to enquire into the grievances of the Indigo cultivators.
- Which of the statements given above is/are correct?**  
 a) Only 1                              b) Only 2  
 c) Both 1 and 2                      d) Neither 1 nor 2
- 75. Which one among the following was part of Gandhi-Irwin Agreement of 1931?**  
 a) Stern action against policemen guilty of brutal assault on Satyagrahis  
 b) Nehru to represent Congress at the Round Table Conference of 1931  
 c) Deletion of communal question from the agenda of the conference  
 d) Release of political prisoners excepting those guilty of arson and violence
- 76. Which among the following was the most immediate factor for the spread of Swadeshi and boycott of foreign goods during the first decade of the last century?**  
 a) Curzon's design to curtail the sphere of local self government  
 b) Curzon's attempt to control the universities  
 c) Curzon's partition of Bengal  
 d) Curzon's plan to curb the growing popularity of the Indian National Congress
- 77. Who among the following Chinese travellers visited the Kingdoms of Harshavardhana and Kumar Bhaskar Varma?**  
 a) I-Tsing                              b) Fa-Hien  
 c) Hiuen Tsang                      d) Sun Shuyun
- 78. Which one among the following correctly describes Gandhiji's attitude towards the Swarajist leaders?**  
 a) He was not opposed to their entry into council  
 b) He had full trust in their bona fides and considered them most valued and respected leaders  
 c) He was not in favour of maintaining warm personal relations with them  
 d) He was neutral to government's offensive against the Swarajists and did not defend them
- 79. Statement I: Mahavira initially joined a group of ascetics called Nirgranthas.  
 Statement II: The sect was founded 200 years earlier by Parsva.**  
 a) Both the statements are true and Statement II is the correct explanation of Statement I  
 b) Both the statements are true, but Statement II is not the correct explanation of Statement I

- c) Statement I is true, but Statement II is false  
 d) Statement I is false, but Statement II is true
- 80. The Mansabdari system of the Mughals was a complex system. Its efficient functioning depended upon**
1. the practice of offering the title of Mansabdar' to military personnel only.
  2. proper functioning of the dagh (branding) system.
  3. proper functioning of the jagirdari system.
- Select the correct answer using the codes given below**
- a) Only 1                      b) 1 and 3  
 c) 2 and 3                     d) All of these
- 81. Which one among the following events was associated with American War of Independence?**
- a) Tennis Court Oath
  - b) Boston Tea Party
  - c) Fall of Bastille
  - d) Reign of Terror
- 82. Who among the following was not associated with the activities of the Theosophical Society?**
- a) Madame H P Blavatsky
  - b) Mr A O Hume
  - c) Col H S Olcott
  - d) Mrs Annie Besant
- 83. Statement I:** The twelfth century witnessed the emergence of a new movement in Karnataka led by a Brahmana named Basavanna.  
**Statement II:** The Lingayats worshipped Shiva in his manifestation as a Linga.
- a) Both the statements are individually true and Statement II is the correct explanation of Statement I
  - b) Both the statements are individually true but statement II is not the correct explanation of Statement I
  - c) Statement I is true but Statement II is false
  - d) Statement I is false but Statement II is true
- 84. Match List I with List II and select the correct answer using the code given below the Lists:**  
**List I(Editor) - List II (Journal/ Newspaper)**  
 A. S.A. Dange- 1. Labour-Kisan Gazette  
 B. Muzaffar Ahmed - 2. Inquilab  
 C. Ghulam Hussain - 3. Navayug  
 D. M. Singaravelu - 4. The Socialist Code:
- a) A-4; B-3; C-2; D-1
  - b) A-4; B-2; C-3; D-1
  - c) A-1; B-2; C-3; D-4
  - d) A-1; B-3; C-2; D-4
- 85. Which one of the following states is the largest producer of black pepper in India?**
- a) Tamil Nadu                b) Kerala
  - c) Karnataka                d) Andhra Pradesh

- 86. Which one of the following States of India is the largest producer of lignite coal?**
- a) Maharashtra            b) Gujarat
  - c) Madhya Pradesh        d) Tamil Nadu
- 87. Assertion(A):** Physiological density is preferable to arithmetic density as an index of population density.  
**Reason (R)** Physiological density is based on arable land while arithmetic density is based on total area.
- a) Both A and R are individually true and R is the correct explanation of A.
  - b) Both A and R are individually true and R is the correct explanation of A.
  - c) A is true but R is false
  - d) A is false but R is true.
- 88. Which water body separates Australia from New Zealand?**
- a) Cook Straits              b) Megellan
  - c) Tasman Sea                d) Great Barrier Reef
- 89. Match the following**  
**List I List II (River) (Source)**
- |               |                  |
|---------------|------------------|
| A. Ganga -    | 1. Amarkantak    |
| B. Son -      | 2. Gaumukh       |
| C. Godavari - | 3. Mahabaleshwar |
| D. Krishna -  | 4. Trimbakeshwar |
- Codes A B C D**
- a) 1 2 4 5                      b) 2 1 3 4
  - c) 4 3 1 2                      d) 2 1 4 3
- 90. Which is the correct arrangement of the following rivers from North to South?**
- a) Godavari, Penner, Cauveri, Periyar
  - b) Penner, Godavari, Periyar, Cauveri
  - c) Godavari, Cauveri, Penner, Periyar
  - d) Cauveri, Godavari, Periyar, Penner
- 91. Which one of the following countries does not have a border with China?**
- a) Myanmar                  b) Afghanistan
  - c) Thailand                  d) Kazakhstan
- 92. What is the characteristic feature of Narmada Valley?**
- a) Volcanic origin            b) Structural origin
  - c) Glacial origin             d) Aeolian origin
- 93. Why South-East Asia has the largest concentration of peasant population at the global scale?**
- a) The area is dominated by shifting cultivation due to favourable terrain character
  - b) Intensive subsistence farming is practiced in the region
  - c) The region has favourable and healthier climate
  - d) The area has a large forested area which is cleared for cultivation of various crops

**94. The thermal equator is found**

- a) at the equator
- b) South of the geographical equator
- c) North of the geographical equator
- d) at the tropic of cancer

**95. Consider the following statements**

1. Ozone is mostly found in the stratosphere.
2. Ozone layer lies 25 to 30 km above the surface of the Earth.
3. Ozone absorbs ultraviolet radiation from the Sun.
4. Ozone layer has no significance for life on the Earth.

**Which of the statements given above is/are correct?**

- a) 1 and 2                      b) 1 and 3
- c) 2 and 3                      d) 3 and 4

**96. Lack of atmosphere around the Moon is due to**

- a) low escape velocity of air molecule and low gravitational attraction
- b) high escape velocity of air molecule and low gravitational attraction
- c) low gravitational attraction only
- d) high escape velocity of air molecule only

**97. Farmers are requested to mix lime with soil while farming their fields. This is because**

- a) lime is very helpful in maintaining the water content in the soil
- b) lime decreases the acidity of soil
- c) lime decreases the basicity of soil
- d) high concentration of lime is necessary for the plant growth

**98. The waves that help scientists to understand the internal structure of the Earth are**

- a) primary waves      b) secondary waves
- c) surface waves      d) longitudinal waves

**99. The planetary winds that blow from the subtropical high pressure belts to the equator are known as**

- a) westerlies              b) doldrums
- c) polar winds            d) trade winds

**100. Which of the following are true of matrilineal societies?**

1. Newly married couple stays with the woman's parents.
2. As per the rules of inheritance, the property passes from mother to daughter.
3. Women play a dominant role in the family.
4. Examples of matrilineal societies are those of the Khasi and Jaintia tribes of Meghalaya.

**Select the correct answer using the codes given below**

- a) 1, 2, 3 and 4              b) 1 and 3
- c) 2 and 4                    d) 1, 2 and 4

**101. The humidity of air measured in percentage is called**

- a) absolute humidity
- b) specific humidity
- c) relative humidity
- d) all of these

**102. The vegetation type characterised by**

- (i) a large expanse of grassland with scattered trees and shrubs,
- (ii) lying between tropical rain forest and tropical steppes and deserts and
- (iii) flat-topped trees, is called
- a) mid-latitude broad-leaf mixed forest
- b) temperate rain forest
- c) tropical savanna
- d) mid-latitude grassland

**103. Meghnad Saha is known for his contribution in which one of the following fields?**

- a) Physics
- b) Medical Science
- c) Environmental Science
- d) History

**104. Which one of the following pairs is not correct matched? Person Bank**

- a) OP Bhatt: SBI
- b) KV Kamath: ICICI
- c) Aditya Puri: HDFC
- d) Vikram Pandit: IDBI

**105. What is the correct chronological order of conferring Bharat Ratna to the following?**

1. MS Subbalakshmi
2. Professor Amartya Sen
3. Dr APJ Abdul Kalam
4. Sushri Lata Dinanath Mangeshkar

**Select the correct answer using the codes given below**

- a) 1, 2, 3, 4                      b) 3, 1, 2, 4
- c) 2, 1, 4, 3                      d) 4, 3, 1, 2

**106. What is the common first digit of the number of the Superfast and Shatabdi trains regardless of zones presently running in India?**

- a) 0                                  b) 1
- c) 2                                  d) 3

**107. Venkatraman Ramakrishnan has been jointly awarded the 2009 Nobel Prize in Chemistry for his contributions in**

- a) identifying the molecular ruler in ribosomal assembly which ensures error-free synthesis of protein in cells
- b) synthesising a group of life-saving antibiotics
- c) the work on green fluorescent protein of jellyfish
- d) successfully crystallising the large subunits of ribosome in cells



**108. Consider the following statements about the Queen's Baton Relay**

1. The helix shape of the Baton for the 2010 Commonwealth Games, created out of aluminium, is coated with a graded and layered soil pattern in black, yellow and red to represent the diversity of Commonwealth nations
2. This relay traditionally begins with a commencement ceremony at Buckingham Palace, London, during which, the Queen entrusts the Baton containing her message to the athletes to the relay for the 1998 Games in Kuala Lumpur. Malaysia was the first to travel to other nations of the Commonwealth.

The first honorary relay runner.

**Which of the statements given above is/are correct?**

- a) 1, 2 and 3
- b) 2 and 3
- c) Only 2
- d) 1 and 3

**109. An underwater meeting held recently has drawn attention world over. The meeting was held by**

- a) some Somali pirates to make a new strategy for capturing ships for ransom
- b) some environmental scientists for promoting awareness for saving water
- c) some environmental activists for promoting awareness against air pollution
- d) the Cabinet of a country to highlight the threat of rising sea level for the country

**110. Which of the following statement is not correct regarding the Armed Forces (Special Powers) Act?**

- a) It gives army officers acting under the Act legal immunity for their action
- b) The Act confers armed forces special powers in operations against the Naxals
- c) There has been widespread agitation against the Act
- d) Justice (Retd.) BP Jeevan Reddy Committee was constituted to review the Act

**111. Why is Switzerland unable to join European Union (EU) till date (2010) despite its government's persistent effort to do so?**

- a) Few EU countries like France and Germany are opposed to Switzerland's joining the Union
- b) The Swiss people continue to vote against joining the EU as they do not want to lose Switzerland's sovereignty
- c) EU rejected Switzerland's application as Swiss Government did not agree to use Euro as currency

- d) All of the above

**112. In the case of the nuclear disaster which of the following options for cooling the nuclear reactors may be adopted?**

1. Pumping of water to the reactors.
2. Use of boric acid.
3. Taking out the fuel rods and keeping them in a cooling pond.

**Select the correct answer using the codes given below**

- a) Only 3
- b) 1 and 2
- c) 2 and 3
- d) All of these

**113. The year 2011 was the centenary year for which one among the following policymaking bodies of the Government of India in scientific research and development?**

- a) ISRO
- b) ICAR
- c) ICMR
- d) CSIR

**114. Which among the following countries has decided to give grant of US\$ 1 billion for reconstruction of Nalanda University?**

- a) USA
- b) China
- c) UK
- d) Japan

**115. The year 2002 Code of Conduct related to territorial and maritime dispute in the South China sea was signed between China and**

- a) Philippines
- b) Vietnam
- c) United States of America
- d) ASEAN

**116. Which one among the following countries initiated the process of Fourth Wave of Democratic Transition?**

- a) Libya
- b) Afghanistan
- c) Tunisia
- d) Morocco

**117. Which one among the following regarding G-20 is not correct?**

- a) A group of developed countries
- b) An integral part of the United Nations
- c) Outside the World Bank and IMF
- d) An offshoot of G-7

**118. VS Ramadevi, was the Governor of Karnataka and Himachal Pradesh. What was more specific about her? She was the**

- a) Governor of the two States simultaneously
- b) only female Chief Election Commissioner of India
- c) only female Indian High Commissioner to United Kingdom
- d) Governor of Reserve Bank of India

**119. Union Government granted Navaratna status to**

1. Engineers India Ltd.
2. Coal India Ltd.
3. India Trade Promotion Organization

4. National Buildings Construction Corporation Ltd. Select the correct answer using the code given below:

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

**120. Which of the following is/are the objective(s) of National AYUSH Mission, approved by the Union Cabinet recently?**

1. Improvement of AYUSH education through enhancement in the number of upgraded educational institutions.

2. Better access to AYUSH services through increase in the AYUSH hospitals and dispensaries, availability of drugs and manpower.

3. Providing sustained availability of quality raw material for AYUSH system of medicine.

**Select the correct answer using the code giver below:**

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



## ANSWER KEY

|      |      |      |      |       |       |
|------|------|------|------|-------|-------|
| 1.d  | 21.a | 41.b | 61.b | 81.b  | 101.c |
| 2.c  | 22.b | 42.d | 62.d | 82.b  | 102.c |
| 3.a  | 23.d | 43.a | 63.b | 83.b  | 103.a |
| 4.c  | 24.a | 44.d | 64.c | 84.a  | 104.d |
| 5.c  | 25.d | 45.b | 65.b | 85.b  | 105.b |
| 6.d  | 26.b | 46.c | 66.c | 86.d  | 106.c |
| 7.c  | 27.a | 47.d | 67.a | 87.d  | 107.d |
| 8.a  | 28.d | 48.b | 68.c | 88.c  | 108.b |
| 9.c  | 29.b | 49.c | 69.b | 89.d  | 109.d |
| 10.c | 30.b | 50.c | 70.a | 90.a  | 110.b |
| 11.c | 31.b | 51.a | 71.d | 91.c  | 111.b |
| 12.c | 32.c | 52.b | 72.b | 92.b  | 112.b |
| 13.a | 33.b | 53.c | 73.a | 93.b  | 113.c |
| 14.d | 34.c | 54.d | 74.c | 94.c  | 114.b |
| 15.a | 35.b | 55.c | 75.d | 95.b  | 115.d |
| 16.c | 36.d | 56.a | 76.c | 96.a  | 116.c |
| 17.b | 37.a | 57.a | 77.c | 97.b  | 117.a |
| 18.a | 38.b | 58.c | 78.b | 98.b  | 118.b |
| 19.c | 39.c | 59.a | 79.b | 99.d  | 119.c |
| 20.d | 40.b | 60.a | 80.c | 100.b | 120.a |

