

No of Questions: 120

Time: 2 ½ Hours

- According to the International Union for Conservation of Nature and Natural Resources, the number of extinction of species documented between 1500 and 2009, have been :
 - 754
 - 875
 - 917
 - 679
- The greatest threat to the world's coral reef systems emanates from:
 - UV light band
 - Starvation caused by decline in zooplankton
 - Cyanide fishing
 - More frequent coral bleaching
- Which of the following statements are true?
 - Cambrian explosion precedes Phanerozoic Eon.
 - Cambrian explosion is also called Cambrian radiation
 - Cambrian explosion was marked by rapid appearance of major phyla
 - A single landmass known as Pangaea was formed following Cambrian explosion.
 - 1,2
 - 2,3
 - 1,2,3
 - 2,3,4
- The Red List of Threatened Plants and Animals includes
 - All extant species
 - Critically endangered species.
 - Endangered species
 - Vulnerable speciesThe correct response is
 - 1, 2, 3
 - 2, 3, 4
 - 1,2,4
 - 1,2, 3, 4
- The tracking of people by trained dogs is based on the recognition of which of the following compounds in the sweat from feet?
 - Carboxylic acids
 - Uric acid
 - Sugar
 - Salt
- Which one of the following is correct? Butter is
 - a super cooled oil
 - an emulsion
 - a molecular solid
 - None of these
- Which one of the following is associated with the formation of brown air in traffic congested cities?
 - Sulphur dioxide
 - Nitrogen oxide
 - Carbon dioxide
 - Carbon monoxide
- Which one of the following reducing agents can also act as an oxidising agent?
 - H₂
 - H₂S
 - SO₂
 - HI
- Water is a good coolant and is used to cool the engines of cars, buses, trucks etc. It is because water has a
 - high specific heat
 - low surface tension
 - high boiling point
 - Teflon
- Which one among the following nontoxic gases helps in formation of enzymes which ripen fruit?
 - Acetylene
 - Ethane
 - Methane
 - Carbon dioxide
- Iodised salt is a
 - mixture of potassium iodide and common salt
 - mixture of molecular iodide and common salt
 - compound formed by combination of potassium iodide and common salt
 - compound formed by molecular iodine and common salt
- What type of mixture is smoke?
 - Solid mixed with a gas
 - Gas mixed with a gas
 - Liquid mixed with a gas
 - Gas mixed with a liquid and a solid
- The form of carbon known as graphite
 - is harder than diamond
 - contains a higher percentage of carbon than diamond
 - is a better electrical conductor than diamond
 - has equal carbon-to-carbon distances in all directions
- The chemical used as a chemical weapon in the First World War was
 - carbon monoxide
 - hydrogen cyanide
 - mustard gas
 - water gas
- Morphine is
 - a terpene
 - a flavonoid
 - an alkaloid
 - a tannin
- The Heisenberg's uncertainty principle can be applied to
 - A flying concord
 - An electron
 - A moving cricket ball
 - A proton
- The density of water varies with temperature which helps the aquatic animals to live in cold water. At what temperature is the density of water maximum?
 - 1°C
 - 2°C
 - 3°C
 - 4°C

18. A perfect black body has the unique characteristic feature as
- a good absorber only
 - a good radiator only
 - a good absorber and a good radiator
 - neither a radiator nor an absorber
19. The force acting on a particle executing simple harmonic motion is
- directly proportional to the displacement and is directed away from the mean position
 - inversely proportional to the displacement and is directed towards the mean position
 - directly proportional to the displacement and is directed towards the mean position
 - inversely proportional to the displacement and is directed away from the mean position
20. When you pull out the plug connected to an electrical appliance, you often observe a spark. To which property of the appliance is this related?
- Resistance
 - Inductance
 - Capacitance
 - Wattage
21. A bus travels at a speed of 50 km/h to go from its origin of its destination at a distance of 300 km and travels at a speed of 60 km/h to return to the origin. What is the average speed of the bus?
- 54.55 km/h
 - 55 km/h
 - 55.55 km/h
 - 54 km/h
22. Dirty cloths containing grease and oil stains are cleaned by adding detergents to water. Stains are removed because detergent
- reduces drastically the surface tension between water and oil
 - increases the surface tension between water and oil
 - increases the viscosity of water and oil
 - decreases the viscosity in detergent mixed water
23. For a harmonic oscillator, the graph between momentum p and displacement q would come out as
- a straight line
 - a parabola
 - a circle
 - an ellipse
24. Echoes of ultrasonic waves are used
- For measuring the depth of sea beds
 - For detecting flaws in the interior of solids
 - In medical diagnosis
 - For all the above
25. Consider the following statements:
- An incandescent lamp has a tungsten filament.
 - Tungsten is a very good conductor of electricity.
- Which of the above statements is/are true?

- Neither 1 nor 2
 - Both 1 and 2
 - 1 only
 - 2 only
26. Consider the following statements:
- FM transmission is noise free.
 - Electrical disturbances in the atmosphere do not affect the frequency of the modulated wave.
- Which of the above statements is/are true?
- Both
 - Neither 1 nor 2
 - 1 only
 - 2 only
27. Endoscopy, a technique used to explore the to mach or other inner parts of the body, is based on the phenomenon of
- Total internal reflection
 - Interference
 - Diffraction
 - Polarisation
28. Consider the following statements:
- The position of C.G. of a body remains unchanged even when the body is deformed.
 - A light car and a bus moving with a same speed can be stopped by applying the same force.
 - Water is a bad conductor of heat but a good conductor of electricity.
 - Light travels faster in air than in water.
- Which of the statements given above are correct?
- 1,2
 - 1,3
 - 2,3
 - 3,4
29. Consider the following statements
- A Money Bill cannot be introduced in the Council of States.
 - The Council of States cannot reject a Money Bill nor amend it.
- Which of the statements given above is/are correct?
- Only 1
 - Only 2
 - Both 1 and 2
 - Neither 1 nor 2
30. What does the 93rd Constitutional Amendment deal with?
- Inclusion of Bodo, Dogri, Maithili and Santhali languages in the Eighth Schedule
 - Inclusion of service tax levied by Union and collected and appropriated by the Union and the states in the Seventh Schedule
 - Free and compulsory education for all children between the age of 6 and 14 years
 - No reservation in Panchayats need to be made in favour of Scheduled Castes in Arunachal Pradesh
31. The Bombay High Court does not have a bench at which one of the following places?
- Nagpur
 - Panaji

- c) Pune d) Aurangabad
- 32. Which one of the following is the largest Committee of the Parliament?**
- a) The Public Accounts Committee
b) The Estimates Committee
c) The Committee on Public Undertakings
d) The Committee on Petitions
- 33. Which one of the following rights conferred by the Constitution of India is also available to non-citizens?**
- a) Freedom of speech, assembly and form association
b) Freedom to move, reside and settle in any part of the territory of India
c) Freedom to acquire property or to carry on any occupation, trade or business
d) Right to constitutional remedies
- DIRECTIONS (Q. Nos.):** The following questions are based on the following passage. Civil society has become the leitmotif of movements struggling to free themselves from unresponsive and often tyrannical post colonial elites. If the first wave of liberation took place along with decolonisation, the second wave comes up against those very elites who had taken power after decolonisation. I see the beginning of an authentic civil society in the voice of those outside the ambit of norms laid down by the state-ecology, gender, class-in the resistance of those who refuse to let the state site its projects wherever it places, in the voice of those who reject corrupt elites in the political passions of those whose nerves are not numbed by consumer capitalism, in the letters to the newspapers, in oral communication. These are people who do not opt out of civil society, but who demand that the state deliver what it has promised in the Constitution and the law, who demand State accountability, who expand the sphere of rights to encompass those which has arisen out of the struggles of the people.
- 34. What are the demands not generated by people's struggle?**
- a) Good delivery of public services
b) Rule of law
c) State accountability
d) Uniform civil code
- 35. The President of India is elected by a proportional representation system through single transferable vote. This implies that**
- a) each elected MP or MLA has an equal number of votes
b) MPs and MLAs of a State have the same number of votes
c) all MPs and MLAs have one vote each

- d) MPs and MLAs of different States have different numbers of votes
- 36. Which one among the following is the distinguishing factor between a pressure group and a political party?**
- a) Pressure groups are confined to a few, while political parties involve larger number of people
b) Pressure groups do not seek active political power, political parties do
c) Pressure groups do not politically motivate people, while political parties do
d) Political parties take political stance, while pressure groups do not bother about political issues
- 37. Match the following**
- List I (Act) List II (Feature)**
- A. The Indian Councils Act, 1892 – Introduction of provincial autonomy
B. The Indian Councils Act, 1909 – Indian Introduction of the principle of election
C. The Government of India -Act, 1919 – Introduction of diarchy in provinces
D. The Government of India Act, 1935 – Introduction of separate electorate for the Muslims
- Codes A B C D**
- a) 2 4 3 1 b) 1 3 4 2
c) 2 3 4 1 d) 1 4 3 2
- 38. How does participatory budgeting seek to make the functioning of local governance institutions more transparent and accountable?**
1. By allowing citizens to deliberate and negotiate over the distribution of public resources.
2. By allowing citizens to play a direct role in deciding how and where resources should be spent.
3. By allowing historically excluded citizens with access to important decision-making venues.
- Select the correct answer using the codes given below**
- a) 1 and 2 b) 2 and 3
c) Only 3 d) 1, 2 and 3
- 39. Among the following ideals and philosophy, identify those enshrined in the Preamble to the Constitution of India.**
1. Sovereign democratic republic.
2. Socialism and secularism.
3. Capitalism and free trade.
- Select the correct answer using the codes given below**
- a) 1 and 2 b) 1 and 3
c) 1,2 and 3 d) 2 and 3

40. Which one among the following was not a proposal of the Cabinet Mission, 1946?
- The Constituent Assembly was to be constituted on the democratic principle of population strength
 - Provision for an Indian Union of Provinces and States
 - All the members of the Constituent Assembly were to be Indians
 - British Government was to supervise the affairs of the Constituent Assembly
41. Match the following
- List I (Person) List II (Role in making of the Constitution of India)
- | | |
|------------------------|--|
| A. Rajendra Prasad - | 1. Member. Drafting Committee |
| B. TT Krishnamachari - | 2. Chairman Constituent Assembly |
| C. H C Mukherjee - | 3. Chairman. Drafting Committee |
| D. B R Ambedkar - | 4. Vice Chairman. Constituent Assembly |
- Codes A B C D
- 2 1 4 3
 - 2 4 1 3
 - 3 4 1 2
 - 3 1 4 2
42. Parliamentary Democracy is one where
- a balance of popular participation and elite rule takes place
 - the government is responsible not to the public but to the elected representatives.
 - the parliamentarians are delegated the responsibility of thinking and acting on behalf of their constituents.
- Select the correct answer using the code given below:
- 1, 2 and 3
 - 2 and 3 only
 - 1 and 3 only
 - 2 only
43. The children's population (below 18 years) is as high as 41% of the total population in India. The Integrated Child Development Programme does not seek to fulfil one of the following for the children:
- nutritional food
 - health care
 - over-all child development
 - primary education
44. The 73rd Amendment provided for a Finance Commission to review the financial position of the Panchayats. This Commission is appointed by
- The President
 - The Governor
 - The Union Finance Minister
 - The Comptroller and Auditor General
45. Which one of the following causes the chikungunia disease?
- Bacteria
 - Helminthic worm
 - Protozoan
 - Virus
46. Dim-vision in the evening and night results from the deficiency of which one of the following?
- Vitamin-A
 - Vitamin-E
 - Vitamin-B12
 - Vitamin-C
47. Which one of the following is responsible for converting milk into curd?
- Fungi
 - Bacteria
 - Virus
 - None of these
48. Which one of the following characteristics is common among parrot, platypus and kangaroo?
- Oviparity
 - Toothless jaws
 - Homothermy
 - Functional postanal tail
49. Match the following List I(Mineral) - List II (Major Source)
- | | |
|--------------|------------------------|
| A. Iron | 1. Banana, date |
| B. Potassium | 2. Palak |
| C. Iodine | 3. Iodized common salt |
| D. Calcium | 4. Milk, egg |
- Codes A B C D
- 2314
 - 2314
 - 4312
 - 4132
50. Which among the following are the major reasons behind preferring eucalyptus tree in the planned forestation process?
- Plantation grows very fast.
 - Plantation makes the soil more fertile.
 - Wood from eucalyptus tree is easily converted into the pulp for paper industry.
- Select the correct answer using the codes given below.
- 1 and 2
 - 1 and 3
 - 2 and 3
 - All of these
51. Match the following
- List I (S ugar) - List II (Source)
- | | |
|-----------------|--------------|
| A. Cellulos e - | 1 Honey |
| B. Pituitary - | 2 Sugarcane |
| C. M altose - | 3 Cotton woo |
| D. Sucrose - | 4 Starch |
- Codes A B C D
- 3142
 - 3412
 - 2143
 - 2413
52. Why do you feel cool under a tree but not so under a tin shed on a sunny day?
- The greenness of the tree gives the cool feeling
 - Photosynthesis absorbs heat
 - The leaves convert water vapours into water which is a heat-absorbing process

- d) The leaves give out water which vapourises absorbing some heat as latent heat
- 53. Consider the following statements regarding antibiotics**
- They are used to destroy disease-causing bacteria.
 - They can be applied to the skin, swallowed or injected to fight micro-organisms inside the body.
 - They are effective against disease-causing viruses.
 - The first antibiotic to be discovered was Tetracycline. Which of the statement(s) given above is/are correct?
- a) 1 and 2 b) 1,2 and 4
c) 2,3 and 4 d) Only 1
- 54. Match the following**
List I - List II (Gland) (Hormone)
- | | |
|-----------------|-----------------------------|
| A. Pancreas -1 | Cortisol |
| B. Pituitary -2 | Vitamin D |
| C. Adrenal -3 | Thyroid stimulating hormone |
| D. Kidneys -4 | Glucagon |
- Codes A B C D**
- a) 4312 b) 4132
c) 2134 d) 2314
- 55. Match List I with List II and select the correct answer using the code given below the Lists:**
List I (Animal) - List II (Phyla)
- | | |
|--------------------------|--------------|
| A. Ascaris | -1. Mammalia |
| B. Malarial parasite -2. | Arthropoda |
| C. Housefly | -3. Nematoda |
| D. Cow | -4. Protozoa |
- Code: ABCD**
- a) 3421 b) 3241
c) 1243 d) 1423
- 56. Which one of the following glands in the human body stores iodine?**
- a) Parathyroid b) Thyroid
c) Pituitary d) Adrenal
- 57. Consider the following statements**
- The current global economic crisis owes its genesis to the subprime crisis in the United States.
 - The Indian economy is showing a faster recovery from the economic crisis than its western counterparts. 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
- 58. When the productive capacity of the economic systems of a state is inadequate to create sufficient number of jobs, it is called**
- a) seasonal unemployment
b) structural unemployment
- c) disguised unemployment
d) cyclical unemployment
- 59. Which one among the following is not a salient feature of the Companies Bill as amended in the year 2012?**
- For spending the amount earmarked for corporate social responsibility, the company shall give preferences to local areas where it operates
 - Punishment for falsely inducing a person to enter into an agreement with bank or financial institution with a view to obtaining credit facilities
 - There is no limit in respect of companies in which a person may be appointed as auditor
 - 'Independent directors' shall be excluded for the purpose of computing 'one-third of retiring directors'
- 60. Share of food in total consumption expenditure has been coming down as Per Capita Income grew over time in last sixty years because**
- people have been purchasing less food
 - people have been preferring non-cereal items in their food basket
 - growth in food expenditure has been lower than growth in per capita income
 - percentage of the poor in population has increased over time
- 61. The value of all final goods and services produced by the normal residents of a country and their property, whether operating within the domestic territory of the country or outside in a year is termed as**
- Gross National Income
 - Net National Income
 - Gross Domestic Product
 - Net Domestic Product
- 62. Commercial banks finance rural credit directly and through**
- NABARD
 - Rural Banks
 - Cooperative societies
 - State government
- 63. The concept of Green Economy in the context of Rio+20 has the following features:**
- it seeks to calculate the economic growth by taking into account the cost of depletion of natural capital.
 - It takes into account the price of waste pollution.
 - It argues for a halt to development as it causes environmental degradation.
 - Option 1, 2 and 3 above.
- Select the correct answer from the codes given

below:

- a) 4 only b) 1 and 3 only
c) 2 and 3 only d) 1 and 2 only
- 64. The reversal of British Indian Policy from free trade to discriminating protection in 1923 was the result of:**
- a) Montague Chelmsford Reforms
b) the recommendation of Fiscal Commission
c) Swadeshi movement
d) changes in American trade policies
- 65. Which of the following can be termed an infrastructural bottleneck in the development of India's economy?**
- a) existence of a large variety of financial institutions
b) The federal nature of Indian polity
c) The volatility of the Indian rupee
d) Hey Delay in the administration of justice
- 66. There is, in theory, justification for subsidising merit goods because:**
- a) the benefits go to the individual but the costs are borne by the society
b) the enjoyment of these goods by one is not at the expense of similar enjoyment by another
c) these goods benefit not only the individual but also the society at large
d) the distribution of these goods are determined solely by the merit of the recipient
- 67. The British developed Indian railway system in such a way as to facilitate traffic between:**
- a) the capital city and hill resorts
b) the metro cities
c) sources of raw material and production centers
d) the sources of raw materials and ports
- 68. Open Market Operations are:**
- a) activities of SEBI registered brokers
b) selling of currency by RBI
c) issue of gilt-edged securities by the government
d) sale of shares by FIIs
- 69. Who among the following was not a party to the coalition that fought against the English in the Battle of Buxar?**
- a) Mir Kasim b) Mir Jafar
c) Shuja-ud-daulah d) Shah Alam II
- 70. Who among the following Urdu poets was invited to the Second and Third Round Table Conference?**
- a) Faiz Ahmad b) Josh Malihabadi
c) Muhammad Iqbal d) Firaq Gorakhpuri

- 71. Who among the following has issued the coin rupee for the first time?**
- a) Muhammad bin Tughluq
b) Ala-ud-din Khilji
c) Sher Shah
d) Akbar
- 72. Consider the following statements**
- Dayanand Saraswati founded the Arya Samaj in 1875.
 - The Arya Samaj repudiated the authority of the caste system.
 - Dayanand Saraswati was born in the Brahman family. Which of the statements given above are correct?
- a) 1, 2 and 3 b) 1 and 2
c) 2 and 3 d) 1 and 3
- 73. Which two of the following plays did Kalidasa wrote before writing Abhigyanashakuntalam?**
- Vikramorvashiyam
 - Malavikagnimitram
 - Swapnavasavadattam
 - Kadambari
- Select the correct answer using the codes given below**
- a) 1 and 2 b) 1 and 3
c) 1 and 4 d) 3 and 4
- 74. Consider the following statements about Vijayanagara empire**
- Vijayanagara was noted for its markets dealing in spices, textiles and precious stones.
 - Krishnadeva Raya's rule was characterised by the strain within the imperial structure,
 - The Amara-Nayakas were military commanders who were given territories to govern by the Royas. Which of the statements given above is/are correct?
- a) Only 3 b) 1 and 2
c) 1 and 3 d) All of these
- 75. Which one among the following statements about Ashokan edicts is correct?**
- The Pillar edicts were located in all parts of the empire
 - The edicts give details of his personal concerns but are silent on events of the empire
 - The subject of inscribed matter on Rock edicts differs completely with that of the Pillar edicts
 - The Greek or Aramaic edicts are versions or translations of the texts used in other edicts
- 76 Which one among the following was not a possible reason for the success of Nadir Sheah's**

Military campaign in Delhi?

- a) Weak Mughal emperor
- b) Lack of strong defence in the North-West frontier
- c) Late preparation for the defence of Delhi
- d) Use of superior military technology by the invading army

77. Which of the following statements about Permanent Settlement are correct?

- 1. It conferred proprietary rights to peasants.
- 2. The Zamindars were recognised as the proprietors of land.
- 3. The government permanently fixed the land revenue demand.
- 4. The Zamindars acted as the middlemen between the peasants and the government.

Select the correct answer using the codes given below

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

78. Which one among the following statements regarding Bal Gangadhar Tilak is not correct?

- a) He propounded the theory of the Arctic Home of the Aryans
- b) He founded the Anti-Cow Killing Society
- c) He set-up the Home Rule League at Poona
- d) He supported the Age of Consent Bill

79. Which one among the following depicts the correct meaning of the term Tins-i-Kamil concerning crops in Mughal India?

- a) Paddy crop b) Cash crop
- c) Coarse crop d) Crop grown,

80. What was Ziyarat in the language of the Sufis?

- a) Pilgrimage to the tombs of Sufisaints for seeking barkat (spiritual grace)
- b) Reciting divine name
- c) Offering free kitchens run on futuh (unasked for charity)
- d) Setting up of auqaf (charitable trusts)

81. Which of the following statements is/are not correct about Bhakti tradition in South India?

- 1. Earliest Bhakti Movements in India were led by Alvar and Nayanar saints.
- 2. Nalayira Divyaprabandham, frequently described as Tamil Veda is an anthology of compositions by the Alvars.
- 3. Karaikkal Ammaiyar, women Alvar saints, supported patriarchal norms.

Select the correct answer using the codes given below

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

82. The social ideals of Mahatma Gandhi were first put forth in

- a) Hind Swaraj
- b) An Authobiography–The Story of My Experiments with Truth
- c) History of the Satyagraha in South Africa
- d) The Bhagavad Geeta According to Gandhi

83. Consider the following statements about colonial economy of Vietnam (Indo China):

- 1. The colonial economy in Vietnam was primarily based on rice cultivation and rubber plantations.
- 2. All the rubber plantations in Vietnam were owned and controlled by a small Vietnamese elite.
- 3. Indentured Vietnamese labour was widely used in the rubber plantations.
- 4. Indentured labourers worked on the basis of contracts that did not specify any rights of labourers but gave immense power to the employers.

Which of the statements given above is/are correct?

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

84. Which of the following is/are the characteristic(s) of the Sannyasi and Fakir uprisings?

- 1. These uprisings refer to a series of skirmishes between the English East India Company and a group of sannyasis and fakirs
- 2. One reason for the uprising was the ban on free movement of the sannyasis along pilgrimage routes.
- 3. In the course of the uprisings in 1773, Warren Hastings issued a proclamation banishing all sannyasis from Bengal and Bihar.
- 4. Are contemporaneous with the Non Cooperation Movement.

Select the correct answer using the code given below:

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

85. Which one of the following statements is not correct?

- a) All meridians run in a ture North-South direction
- b) Meridians are spaced farthest apart at the equator and converge to common points at the poles
- c) All meridians are always parallel to one another
- d) An indefinite number of meridians may be drawn on a globe

86. In which one of the following is higher percentage of carbon found?

- a) Lignite coal b) Peat coal
c) Bituminous coal d) Anthracite coal
- 87. Match the following**
List I (Place) List II (Famous for)
A. Balaghat - Oil field
B. Katni - Iron ore
C. Singrauli – Manganese
D. Kalol - Bauxite Coal
Codes A B C D
a) 1 2 4 3 b) 3 4 5 1
c) 3 5 4 1 d) 1 2 5 3
- 88. What is the correct sequence of the location of the following sea ports of India from South to North?**
a) Cochin, Thiruvananthapuram, Calicut, Mangalore
b) Calicut, Thiruvananthapuram, Cochin, Mangalore
c) Thiruvananthapuram, Cochin, Calicut, Mangalore
d) Thiruvananthapuram, Calicut, Mangalore, Cochin
- 89. An Earthquake epicentre is the**
a) point where the seismograph is located
b) point within the Earth where the movement along the fault occurs
c) approximate centre of a group of related Earthquakes
d) point on the surface directly above where the rupture along the fault zone occur
- 90. Which among the following pairs are correct?**
1. Cirque and Col Glacial topography
2. Barkhans and Yardans Desert topography
3. Eddies and Potholes Fluvial topography
Select the correct answer using the code given below
a) 1, 2 and 3 b) 1 and 2
c) 2 and 3 d) 1 and 3
- 91. Consider the following statements**
1. The Earth does not move along its orbit at a constant rate.
2. The Earth moves fastest at perihelion and slowest at aphelion. The above statements are true of which one of the following laws?
a) Kepler's second law
b) Newton's second law of motion
c) Ohm's law
d) Newton's law of gravitation
- 92. Statement I Wind is deflected to the right in Northern Hemisphere and to the left in Southern hemisphere from its normal course. Statement II Earth rotates from West to-East.**
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.
- 93. Which among the following monoculture crops provide(s) immediate cash to the farmers?**
1. Tea in Asom
2. Rubber in Africa
3. Sugarcane in Malaysia
4. Coffee in Brazil
a) Only 1 b) 2 and 3
c) 3 and 4 d) 1 and 4
- 94. A nautical mile is equal to**
a) 5060 feet b) 5280 feet
c) 6060 feet d) 6080 feet
- 95. South Pacific island nation Samoa, positioned to the East of the International Date Line, on May 2011 decided to forego a day and shift to the time zone on its West. The reason for this shifting is to**
a) facilitate smooth internal administration throughout the country
b) attain political stability in the country
c) facilitate trade with Australia and New Zealand
d) promote tourism industry in the country
- 96. In absorption of insolation, the most significant part is played by**
a) carbon dioxide b) ozone
c) oxygen d) haze
- 97. Statement I Comets revolve around the Sun only in long elliptical orbits. Statement II A comet develops a tail when it gets close to the Sun**
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.
- 98. If the time of a place located on 165° E meridian is 11:00 pm on Sunday, what would be the time at the place located on 165° W meridian?**
a) 11:00 pm on Sunday
b) 12:00 noon on Sunday
c) 1:00 am on Sunday
d) 11:00 pm on Saturday
- 99. Which one among the following statements is not correct?**

- a) Solar noon occurs simultaneously at locations with the same longitude
- b) One meridian, which is directly under the Sun, experiences solar noon at a given time
- c) Places having same longitude experience solar noon at different times
- d) Solar noon occurs at different times at locations with the same latitude

100. Which one among the following is responsible for formation of Ozone Holes' in the stratosphere?

- a) Benzopyrene
- b) Hydrocarbons
- c) Chloro Fluoro Carbons
- d) UV radiatio006E

101. Which one of the following dams is constructed across Krishna River?

- a) Ukai Dam
- b) Krishna Sagar Dam
- c) Srisaillam Dam
- d) Mettur Dam

102. A typical black hole is always specified by

- a) a (curvature) singularity
- b) a horizon
- c) either a (curvature) singularity or a horizon
- d) a charge

103. Which one of the following is a programme that converts high level language to machine language?

- a) Linker
- b) Assembler
- c) Interpreter
- d) Compiler

104. Between which one of the following sets of blood groups, is the blood transfusion possible?

- a) A and O
- b) B and A
- c) A and AB
- d) AB and O

105. Consider the following statements about environmental concerns in history

1. In the Indian Ocean region, early French and British scientists pondered over possible linkages of deforestation, the wholesale denuding of the native tree cover and the cycles of water replenishment.
2. In the USA, there were similar fears by the late 19th century.
3. There was hardly any environmental concerns in the past about wider global impacts of the way resources were used.

Which of the statements given above is/are correct?

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

106. Who among the following holds the world record for the fastest century in a One Day International cricket match?

- a) Sanath Jayasuriya
- b) Virendra Sehwag
- c) Shahid Afridi
- d) None of these

107. Consider the following statements

1. The gross revenue from the telecom sector in India accounts for 3% of the GDP.
2. Centre for Development of Telematics is better known as C-DOT.
3. The switch from digital technology to the analog system revolutionised telephony in India.

Which of the statements gives above is/are correct?

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

108. High Altitude Warfare School of the Indian Army is located at

- a) Gulmarg
- b) Siachin
- c) Leh
- d) Manali

109. Which one of the following is not a football tournament?

- a) I-League
- b) Irani Trophy
- c) Bardoloi Trophy
- d) Durand Cup

110. Which amongst the following countries is the largest troop contributor to the United Nations peace keeping mission?

- a) India
- b) China
- c) Pakistan
- d) Bangladesh

111. Statement I: In Vietnam War, Americans used powerful defoliants such as Agent Orange over large areas of dense forest and agricultural fields.

Statement II: Defoliants are very dangerous war weapons which leave the forests and agricultural fields barren.

Codes

- 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

112. Which one of the following is not a formal agency of social control?

- a) Courts
- b) Police
- c) Family
- d) Teachers

113. The Indian Research Station 'Himadri' is located at

- a) Siachen
- b) Darjeeling
- c) Arctic Region
- d) Antarctica

114. Consider the following statements

1. The Kalinga Prize is an award given by UNESCO for exceptional skill in presenting scientific ideas to lay people.

2. Dorairajan Balasubramaniam was the last person from India to receive the Kalinga Prize.

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

115. The Indian Army undertook Operation Meghdoot to establish Indian control over

- a) Sir Creek b) Alksai Chin
c) Siachen Glacier d) Drass Sector

116. Who among the following is the author of the book, 'Sachin : Born to Bat-The Journey of Cricket's Ultimate Centurian'?

- a) Khalid AH Ansari b) Boria Majumdar
c) Kiran Nagarkar d) Ed Hawkins

117. Well known film 'Chittagong', directed by Bedabrata Pain, is mainly based on the life of

- a) Subodh Roy
b) Binod Bihari Chowdhury
c) Preetilata Wadedar
d) Ganesh Ghosh

118. Rachel Carson's famous book, Silent Spring refers to

- a) geology of terrain where river originates

- b) ecology and degradation of a hot spring due to excessive tourism
c) biodiversity of an unknown terrain rich in flora and fauna
d) the death of songbirds due to eating insects poisoned with pesticides

119. Novak Djokovic, who won the Men's Wimbledon Tennis Open Tournament 2014, is from

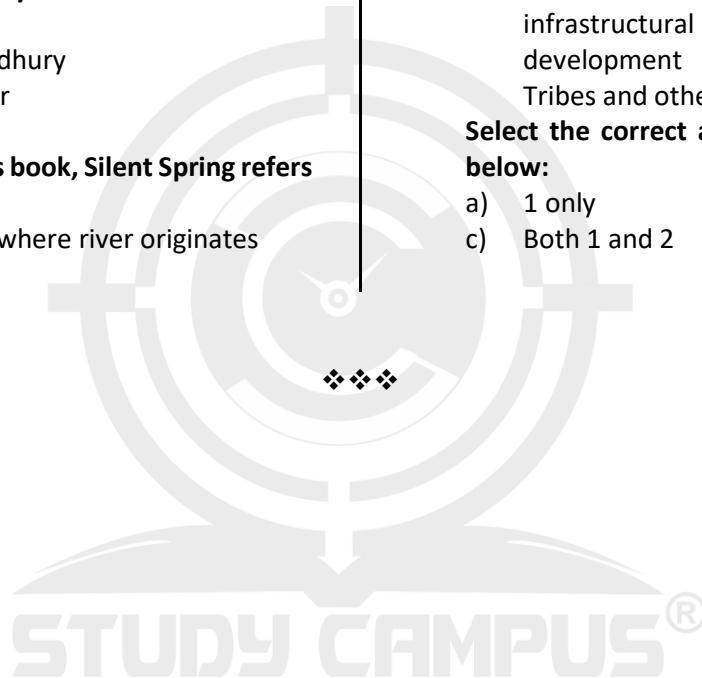
- a) Serbia b) Spain
c) Switzerland d) England

120. Which of the following statements is/are true with regard to the newly launched Vanbandhu Kalyan Yojana?

1. Under the scheme, Centre will provide? 10 crore each for every State and Union Territory of the country for the development of various facilities for the tribals.
2. The scheme mainly focuses on bridging infrastructural gaps and gap in human development indices between Scheduled Tribes and other Social Groups.

Select the correct answer using the code given below:

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



ANSWER KEY

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

