

Q1. Extant species are

- (a) Loss of species due to extinction of another species
 (b) Those which are not extinct
 (c) Threatened species
 (d) Species undergoing mass extinctions.

Q2. Match the items in List 1 with those in List II and select the correct answer from the codes given below:

List I Ecosystem Services (Type),

- A. Supporting B. Provisioning
 C. Regulating D. Cultural

List II Ecosystem service benefits

1. Recreational and aesthetic
 2. Adjusting climate, floods, water quality
 3. Soil formation, nutrient cycling
 4. Food, clean water, timber

- (a) 1234 (b) 2413 (c) 3421 (d) 4321

Q3. The rich biodiversity of India is under severe threat due to:

1. Habitat destruction 2. Degradation
 3. Fragmentation 4. Overexploitation

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

Q4. Asia's largest inland saltwater lagoon as well as world's largest breeding place for colonies of flamingoes, white-bellied sea eagles, jacanas and herons is

- (a) Bhitarkanika Wild Life Sanctuary
 (b) Ranganathittu Wild Life Sanctuary
 (c) Thattekad Bird Sanctuary
 (d) Chilka Lake Bird Sanctuary

Q5. Which one of the following is involved for desalination of sea water?

- (a) Reverse osmosis (b) Simple osmosis
 (c) Use of sodium aluminium silicate as zeolite
 (d) Use of ion selective electrodes

Q6. Which one of the following properties changes with valency?

- (a) Atomic weight (b) Equivalent weight
 (c) Molecular weight (d) Density

Q7. Which one of the following is used as a mordant in dyeing and tanning industry?

- (a) Magnesium oxide (b) Magnesium carbonate
 (c) Magnesium chloride (d) Magnesium sulphate

Q8. Which one among the following has been producing/can produce light by a chemical change?

- (a) Sun (b) Moon
 (c) Electric bulb (d) Lightning and thunder

Q9. Which one among the following substances evolves heat when dissolved in water?

- (a) Potassium nitrate (b) Sodium chloride
 (c) Glucose (d) Calcium oxide

Q10. The macro nutrients provided by inorganic fertilizer are

- (a) carbon, iron and boron
 (b) magnesium, manganese and sulphur
 (c) magnesium, zinc and iron
 (d) nitrogen, phosphorus and potassium

Q11. Which one among the following gases readily combines with the haemoglobin of the blood?

- (a) Methane (b) Nitrogen dioxide
 (c) Carbon monoxide (d) Sulphur dioxide

Q12. Iron sheet kept in moist air covered with rust. Rust is

- (a) an element
 (b) a compound
 (c) a mixture of iron and dust
 (d) a mixture of iron, oxygen and water

Q13. Which of the following is not correct about Baking Soda?

- (a) It is used in soda acid fire extinguisher
 (b) It is added for faster cooking.
 (c) It is a corrosive base
 (d) It neutralizes excess acid in the stomach

Q14. Catenation is the process of

- (a) formation of cations
 (b) deposition of cations
 (c) formation of long chains of identical atoms
 (d) formation of covalent bonds

Q15. Cocaine is isolated from

- (a) opium (b) cocoa (c) cumin (d) pepper

Q16. The state of hybridization of each carbon in the structure $\text{CH}_2 = \text{CH} - \text{CH} = \text{CH}_2$ is

- (a) sp. (b) sp^3 . (c) sp^2 . (d) sp^2d .

Q17. A ray of light is incident on a plane mirror at an angle 30° with the normal at the point of incidence. The ray will be deviated from its incidence direction by what angle?

- (a) 30° (b) 60° (c) 120° (d) None of these

Q18. Which one of the following is not result of surface tension?

- (a) Vapour formation above the liquid surface
 (b) Convex shape of liquid meniscus
 (c) Liquid rising in a capillary
 (d) Spherical shape of mercury fallen on the floor

Q19. Why are inner lining of hot water geysers made up of copper?

- (a) Copper has low heat capacity
 (b) Copper has high electrical conductivity
 (c) Copper does not react with steam
 (d) Copper is good conductor of both heat and electricity

Q20. A liquid is kept in a regular cylindrical vessel upto a certain height. If this vessel is replaced by another cylindrical vessel having half the area of cross-section of the bottom, the pressure on the bottom will

- (a) remain unaffected
 (b) be reduced to half the earlier pressure
 (c) be increased to twice the earlier pressure
 (d) be reduced to one-fourth the earlier pressure

Q21. Which type/types of pen uses/use capillary action in addition to gravity for flow of ink?

- (a) Fountain pen (b) Ballpoint pen
 (c) Gel pen (d) Both ballpoint and gel pens

Q22. When an incandescent electric bulb glows

- (a) the electric energy is completely converted into light
- (b) the electric energy is partly converted into light energy and partly into heat energy
- (c) the light energy is converted into electric energy
- (d) the electric energy is converted into magnetic energy

Q23. In an observation, a-particles, b-particles and g-rays have same energies.

Their penetrating power in a given medium in increasing order will be

- (a) a, b, g (b) b, g, a (c) a, g, b (d) b, a, g

Q24. Butter floats in droplets on the surface of a hot soup. But when the soup cools, the droplets spread out to form a thin layer on the surface. This happens because

- (a) Butter is less dense than the soup
- (b) Butter is more viscous than the soup
- (c) Surface tension of the soup increases on cooling
- (d) Butter forms an insulation layer to slow down cooling

Q25. A neon sign emits red light which comes from

- (a) A red hot filament inside the glass tubing
- (b) A luminous gas at low pressure
- (c) A luminous red liquid
- (d) The oxidation of neon

Q26. Which of the following is/are units of length?

1. Nanometre
2. Light year
3. Astronomical Unit
4. Parsec

- (a) Only 1 (b) 1 and 2 (c) 1, 2, and 3 (d) All the four

Q27. Cobalt-60 is commonly used in radiation therapy because it emits

- (a) Alpha rays (b) Beta rays (c) Gamma rays (d) X-rays

Q28. Cryogenic engines find applications in

- (a) Sub-marine propulsion (b) Frost-free refrigerators
- (c) Rocket technology (d) Superconductivity

Q29. Who was the President of India at the time of proclamation of emergency in the year 1976?

- (a) V.V Giri (b) Giani Zail Singh
- (c) Fakhur-ud-din Ali Ahmad (d) Shankar Dayal Sharma

Q30. Consider the following statements

1. Ministry of Parliamentary Affairs constitute Consultative Committees of Members of both the Houses of Parliament.
2. The main purpose of these Committees are to provide a forum for formal discussions between the Government and Members of Parliament on policies and programmes of the Government. 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

Q31. Department of Official Language (Raj Bhasha Vibhag) comes under which one of the following Ministries?

- (a) Ministry of Culture
- (b) Ministry of Home Affairs
- (c) Ministry of Human Resource Development
- (d) Ministry of Information and Broadcasting

Q32. The Sachar Committee Report pertains to

- (a) Indian federalism
- (b) Economic development of backward regions
- (c) Indian Muslims (d) OBC's

Q33. If the Prime Minister is a member of the Rajya Sabha

- (a) He/she has to get elected to the Lok Sabha within 6 months
- (b) He/she can declare the government's policies only in the Rajya Sabha
- (c) He/she cannot take part in the voting when a vote of no confidence is under consideration
- (d) He/she cannot take part in the budget deliberation in the Lok Sabha

DIRECTIONS : The following questions are based on the following passage. A government in a democratic country has to respond to ongoing priorities in public criticism and political reproach and to the threats to survival it has to face. The removal of long standing deprivations of the disadvantaged people of our country may, in effect, be hampered by the biases in political pressure, in particular when the bulk of the social agitation is dominated by new problems that generate immediate and noisy discontent among the middle class Indians with a voice. If the politically active threats are concentrated only on some specific new issues, no matter how important (such as high prices of consumer goods for the relatively rich, or the fear that India's political sovereignty might be compromised by its nuclear deal with the USA), rather than on the terrible general inheritance of India of acute deprivation, deficient schooling, lack of medical attention for the poor and extraordinary under nourishment (especially of children and also of young women), then the pressure on democratic governance acts relentlessly towards giving priority to only those particular new issues rather than to the gigantic persistent deprivations that are at the root of so much inequity and injustice in India. The perspective of realisation of justice and that of an adequately broad nyaya are central not only to the theory of justice, but also to the practice of democracy.

Q.34 What is the minimum mandate of a democratic government?

- (a) Respond to ongoing priorities in public criticism and threats to survival by decisive public action
- (b) Respond to demands of middle class pressure groups on an urgent basis
- (c) Preempt social agitations by enacting sensitive laws
- (d) Attend to severity threats that threaten national sovereignty

Q35. Despite being a Republican State, India is a member of the Commonwealth of Nations whose head is the British Monarch. This is because

- (a) this membership does not affect the sovereign nature of the Indian Republic
- (b) this membership only shows that the British ruled over India
- (c) members of the association are sovereign and independent
- (d) it is a symbol of the unity among the members of the association

Q36. Which of the following statements with respect to the judiciary in India is/are correct?

- 1. Unlike in the United States, India has not provided for a double system of courts.
 - 2. Under the Constitution of India, there is a single integrated system of courts for the Union as well as the states.
 - 3. The organisation of the subordinate judiciary varies slightly from state to state.
- Select the correct answer using the codes given below

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

Q37. With regard to the powers of the Rajya Sabha, which one among the following statements is not correct?

- (a) A money bill cannot be introduced in the Rajya Sabha
- (b) The Rajya Sabha has no power either to reject or amend a money bill
- (c) The Rajya Sabha cannot discuss the Annual Financial Statement
- (d) The Rajya Sabha has no power to vote on the Demands for Grants

Q38. The Rights to Information means and includes

- 1. Inspection of documents.
 - 2. Taking out files from office to any place desired by the applicant.
 - 3. Taking photograph of files.
 - 4. Obtaining information in tapes.
- Select the correct answer using the codes given below
- (a) 1 and 3 (b) 1, 2 and 3 (c) 2 and 4 (d) All of these

Q39. Consider the following statements

- 1. The Anti-Defection Law bans an elected member from voting against the explicit mandate of his/her party.
 - 2. The Anti-Defection provisions do not apply if onethird of the members of a party disobey the mandate of the party and constitute themselves as a separate party. Which of the statement(s) given above is/are correct?
- (a) Only 1 (b) Only 2 (c) Both 1 and 2 (d) Neither 1 nor 2

Q40. Match the following

List I (Commission/Committee)

List II (Mandate)

- A. Sachar Committee -1. Anti-Sikh Riots, 1984
- B. Srikrishna Commission -2. Socio-economic and educational conditions of Muslims in india
- C. Ranganath Misra Commission -3. Bombay Communal Riots 1992

D. Nanavati Commission - 4. Linguistic and religious minorities in India

Codes: A B C D

(a) 2 3 4 1 (b) 2 4 3 1 (c) 1 4 3 2 (d) 1 3 4 2

Q41. Which of the following principles is/are taken into consideration by the Speaker while recognising a parliamentary party or group?

- 1. An association of members who have an organisation both inside and outside the House
- 2. An association of members who shall have at least one-third of the total number of members of the House
- 3. An association of members who have a distinct programme of parliamentary work

Select the correct answer using the codes given below

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

Q42. Which among the following about the Rangarajan Panel Report on poverty estimation is/ are correct?

- 1. The report states that three out of ten people in India are poor
 - 2. The report endorsed the Tendulkar committee suggestion on determining poverty line in India
- 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

Q43. The National Human Rights Commission is a :

- (a) Constitutional body (b) Extra-constitutional body
- (c) Statutory body (d) The result of Cabinet's resolution

Q44. The following is the head who looks after the welfare of the Persons with Disabilities:

- (a) Commissioner (b) Director
- (c) Director-General (d) Chief Commissioner

Q45. Consider the following

Enzymes and protein can be corelated with each other in the following ways

- 1. All proteins are enzyme.
 - 2. All enzymes are protein.
 - 3. All enzymes are not protein.
 - 4. All proteins are not enzyme.
- Which of the above are correct?

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

Q46. Which of the following plants is not capable of manufacturing its own food?

- (a) Algae (b) Mushroom (c) Carrot (d) Cabbage

Q47. Which one of the following is considered as the drug of last resort for human beings?

- (a) Penicillin (b) Tetracycline
- (c) Chloramphenicol (d) Streptomycin

Q48. Primary source of vitamin-D for human beings is

- (a) citrus fruits (b) green vegetables
- (c) yeast (d) sun

Q49. Which one of the following is not biodegradable?

- (a) Woollen mat (b) Silver foil

(c) Leather bag (d) Jute basket

Q50. What is the most conspicuous salient feature of people with 'Progeria'?

- (a) More hair on body
(b) Less immunity to opportunistic infections
(c) Faster rate of ageing
(d) Suffer from infertility

Q51. Which one among the following animal tissues transport hormones and heat and maintains water balance?

- (a) Connective tissue (b) Muscular tissue
(c) Blood (d) Nervous tissue

Q52. Which one among the following group of items contain only biodegradable items?

- (a) Wood, Grass, Plastic
(b) Wood, Grass, Leather
(c) Fruit peels, Lime juice, China clay cup
(d) Lime juice, Grass, Polystyrene cup

Q53. The pH of human blood is normally around

- (a) 4.5-5.5 (b) 5.5-6.5 (c) 7.5-8.0 (d) 8.5-9.0

Q54. Two strands of DNA are held together by

- (a) hydrogen bonds (b) covalent bonds
(c) electrostatic force (d) Van der Waals' forces

Q55. Which of the following statements is/are correct?

1. Coronary artery supplies blood to heart muscles.

2. Pulmonary vein supplies blood to lungs.

3. Hepatic artery supplies blood to kidneys.

4. Renal vein supplies blood to kidneys.

Select the correct answer using the code given below:

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

Q56. Which one of the following vitamins is abundant in guava fruits?

- (a) Vitamin-A (b) Vitamin-B12
(c) Vitamin-C (d) Vitamin-D

Q57. By which one of the following years does the 11th Five Year Plan aim at achieving 10% rural tele-density in India from the present 1.9%?

- (a) 2009 (b) 2010 (c) 2011 (d) 2012

Q58. Which of the following statements is/are correct?

1. If a country is experiencing increase in its per capita GDP, its GDP must necessarily be growing.

2. If a country is experiencing negative inflation its GDP must be decreasing. 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

Q59. Which of the following institutions was/were asked by the Government of India to provide official estimates of black (unaccounted) money held by Indians, both in India and abroad?

1. National Institute of Public Finance and Policy.

2. National Council of Applied Economic Research.

3. National Institute of Financial Management. Select the correct answer using the codes given below

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

Q60. The effect of a government surplus upon the equilibrium level of NNP [Net National Product] is substantially the same as

- (a) an increase in investment
(b) an increase in consumption
(c) an increase in saving
(d) a decrease in saving

Q61. Which of the following statements is/are true?

1. If increase in demand and supply are of equal magnitude, the price will remain unchanged, but the equilibrium quantity will increase.

2. If increase in demand is of greater magnitude than increase in supply, both equilibrium price and equilibrium quantity will increase.

3. If increase in supply is of greater magnitude than increase in demand, equilibrium price will fall but equilibrium quantity will increase. Select the correct answer using the code given below:

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

Q62. Consider the following statements in respect of the Comptroller and Auditor General (CAG):

1. CAG is appointed by the President of India and can be removed only on grounds and procedure similar to those of a Supreme Court Judge

2. The form in which accounts of the centre and states are to be kept is prescribed by CAG.

3. Reports on the accounts of the states are submitted to the President who shall cause these to be placed before the Parliament.

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

Q63. Which of the following is not one of the features of the Special Economic Zones (SEZ) being set up for promoting exports?

- (a) The SEZ area will be treated as foreign territory for trade operations, duties and tariff.
(b) No license is required for import into the zone.
(c) Foreign workers will be allowed free entry without visa restrictions.
(d) There will be no routine examination by customs authorities of import-export cargo.

Q64. Consider the following statements in relation to the National Investment Fund (NIF) 2006:

- (a) will consist of proceeds from disinvestment of government equity in PSUs.
(b) It would be maintained outside the Consolidated Fund of India.

(c) The Fund will be used to finance selected social sector schemes.

(d) Some portion of the Fund will also be utilized for investment in loss making PSUs.

Q65. Reducing infant mortality helps control the growth of population by:

- (a) controlling repeated child birth to compensate for the mortality
- (b) protecting the health of the mother
- (c) increasing the gap between two births
- (d) preventing the tendency to choose the sex of the prenatal child

Q66. Indian poverty is said to be predominantly rural. Yet the problem of urban poverty appears to have reached unmanageable proportions. The paradox is explained by:

- I. greater visibility of urban poverty
 - II. migration of rural population to urban areas
 - III. seasonality of agricultural operations
 - IV. the cycle of drought and floods
- (a) I above (b) I & II (c) I & IV (d) 1 and 3

Q67. Which of the following factors was primarily responsible for the delay in implementing the recommendations of the Disinvestment Commission?

- (a) Resistance from PSU employees
- (b) Prolonged bearish sentiments in the stock market
- (c) Differences among the coalition partners in government
- (d) Delay in obtaining Parliamentary approval

Q68. Insider Trading is an offence under Indian laws. Who among the following will not, in the normal circumstances, be focused on insider trading?

- (a) A financial journalist covering a company
- (b) A director of the company
- (c) An auditor of the company
- (d) An employee of the company

Q69. In which one of the following cities, was the East India Association founded by Dadabhai Naoroji in 1866?

- (a) Paris (b) London (c) New York (d) Tokyo

Q70. In which of the following years was the first Railway line between Bombay and Thane laid?

- (a) 1853 (b) 1854 (c) 1856 (d) 1858

Q71. The Doctrines of 'Non-Violence' and Civil Disobedience' associated with Mahatma Gandhi were influenced by the works of

- (a) Churchill-Irwin-Tolstoy
- (b) Ruskin-Tolstoy-Thoreau
- (c) Thoreau-Humen-Shaw
- (d) Cripps-Tolstov-Howes

Q72. Which one of the following inscriptions mentions Pulakesin II's military success against Harshavardhana?

- (a) Allahabad Pillar inscription
- (b) Aihole inscription
- (c) Damodarpur Copperplate inscription

(d) Bilsad inscription

Q73. Consider the following paragraph He was seriously injured in police lathi charge in Lahore during demonstrations against Simon Commission, for which he subsequently died in November, 1928. Later on, the British officer who was responsible for the lathi charge on him, was shot dead by Bhagat Singh and Rajguru. The revolutionary referred to in the above paragraph is

- (a) Pandit Govind Ballabh Pant (b) Lala Lajpat Rai
- (c) Mangal Singh (d) Motilal Nehru

Q74. Consider the following statements about Dr Ram Manohar Lohia

1. He believed the Satyagraha without constructive work is like a sentence without a verb.
2. He wrote his PhD thesis paper on the topic of Salt Satyagraha, focusing on Mahatma Gandhi's socioeconomic theory.
3. He recognised that caste, more than class, was the huge stumbling block to India's progress. Which of the statements give above is/are correct?

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

Q75. In addition to Macaulay's Minutes on Education, another landmark draft is also attributed to him. Identify the draft from the following.

- (a) Draft of Indian Penal Code
- (b) Draft of Indian Forest Policy
- (c) Draft of the Zamindari Abolition Act
- (d) Draft of the Maritime Trade Policy

Q76. Which of the following was/were reason/reasons for the success of European trading companies in South India, during the 17th century?

1. The presence of the Mughals in the South was not as much as in the North.
2. The Vijayanagara kingdom had been overthrown in the late 16th century.
3. The South had many small and weak states.

Select the correct answer using the codes given below

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

Q77. Which of the statements given below about the Champaran Satyagraha is/are correct?

1. It was related to Indigo plantations.
2. It started because the European planters oppressed the Zamindars.

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

Q78. Which one among the following statements is correct?

- (a) The Revolt of 1857 was not supported by the Nizam of Hyderabad
- (b) Dinabandhu Mitra was the author of the book, Unhappy India
- (c) The Sindhis of Gwalior gave shelter to the Rani of Jhansi
- (d) Mangal Pandey led the Sepoys March to Delhi

Q79. Which one among the following statements is not true of the jajmani system?

- (a) It was a non-market exchange system
- (b) It was practised in many villages and regions during the pre-colonial period
- (c) It was introduced under pressure from the colonial regime
- (d) It was incorporated into wider networks of exchange through which agricultural products and other goods circulated

Q80. Statement I: The Permanent Zamindari Settlement of land created a new class of landlords. Statement II: The new class of landlords became strong political allies of the British and were interested in the continuance of British dominion.

- (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

Q81. Statement I: The economy of India in the 19th century came to a state of ruin under English East India Company. Statement II: English East India Company's acquisition of Diwani right led to the miseries of the peasants and those associated with the traditional handicrafts industry of India.

- (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.

Q82. Which one of the following statements about Rig Veda is not correct?

- (a) Deities were worshipped through prayer and sacrificial rituals
- (b) The Gods are presented as powerful, who could be made to intervene in the world of men via the performance of sacrifices
- (c) The Gods were supposed to partake of the offerings as they were consumed by the fire
- (d) The sacrifices were performed in the temples

Q83. The Ghadar party, formed in the USA, was determined to start a revolt in India. Which among the following provinces did the party choose to begin its armed revolt?

- (a) Punjab (b) Bengal (c) United Provinces (d) Bihar

Q84. Which of the following characteristics about the state of Travancore in 18th century

Kerala is/are correct?

1. Travancore was ruled by Marthanda Varma from 1729 to 1758.
2. Travancore built a strong army and defeated the Dutch in 1741.
3. Travancore was an important centre of learning.

Select the correct answer using the code given below:

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

Q85. Which one of the following places is famous for production of railways coaches?

- (a) Nasik (b) Kapurthala (c) Kanpur (d) Kochi

Q86. In which one of the following islands of India is an active volcano found?

- (a) Car Nicobar Island (b) Nancowry Island
- (c) Barren Island (d) Maya Bunder Island

Q87. High spring tides occur at new Moon and full Moon because the

- (a) Moon and Earth are at right angles
- (b) Sun and Moon are at right angles
- (c) Sun, Earth and the Moon are in straight line
- (d) Sun and Earth are at right angles

Q88. Which continent of the world does not have a desert?

- (a) Australia (b) Europe (c) Asia (d) North America

Q89. The jet streams are

- (a) wind systems with a pronounced seasonal reverse at a direction
- (b) winds blowing from the subtropical highpressure belts towards the subpolar lowpressure belts
- (c) narrow meandering bands of swift winds which blow in the midlatitudes near the tropopause and encircle the globe
- (d) winds blowing from the subpolar lowpressure belts towards the subtropical highpressure belts

Q90. Consider the following places of Kashmir region (1) Sri Nagar (2) Gilgit (3) Kargil (4) Banihal Arrange the above place from North to South using the code given below

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

Q91. Match the following

List II (Characteristic Vegetation) **List I** (Region)

- A. Selvas - 1. Mosses and Lichens
 - B. Savanas - 2. Epiphytes
 - C. Tundra - 3. Tropophytes
 - D. Monsoon lands - 4. Grasses and trees
- Codes A B C D A B C D

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

DIRECTIONS:

The following questions consist of two statements, Statement I and Statement II. you are to examine these two statements carefully and select the answers to these

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questions using the code given below.

Q92. The Earth revolves around the Sun in an elliptical path and the Sun is located at one focus of the ellipse. Imagine a situation in which the Earth goes around the Sun on a circular path. Which one among the following would result in under that situation?

- (a) It would not make any difference
- (b) Difference between seasons will be reduced
- (c) The earth would become very hot
- (d) The Earth would become very cold

Q93. Which of the following statements regarding red soils of India is/are correct?

1. The colour of the soil is red due to ferric oxide content.
2. Red soils are rich in lime, humous and potash.
3. They are porous and have friable structure.

Select the correct answer using the code given below

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

Q94. Renewable energy can be obtained from

- (a) Fossils (b) Radioactive elements
- (c) Biomass (d) Natural gas

Q95. Logically, what does a continually rising air pressure indicate?

- (a) Advent of unsettled and cloudy weather
- (b) Advent of a cyclone
- (c) Fine and settled weather
- (d) Fire and unsettled weather

Q96. The riverbank is weakest where the river turns. This is because water

- (a) gets concentrated on the inner bank of the turn, making it denser
- (b) effectively bounces off the outer bank as it turns exerting an extra pressure on the bank
- (c) flows faster as it turns
- (d) reacts more effectively with the bank at a turn

Q97. Statement I : Tsunami is small in open ocean yet may be over 30 m high when it reaches a coastline.

Statement II : Tsunamis have long wavelength and they travel across

the open ocean at high speed. As they approach shore, the wavelength decreases and the wave height increases.

- (a) Both the statement I are individually true and statement II is correct explanation of statement I
- (b) Both the statements are individually true but Statement II is not correct explanation of statement I
- (c) Statement I is true but statement II false.
- (d) Statement I is false but statement II is true.

Q98. The Karewas of Kashmir refers to which among the following types of deposits?

- (a) Aeolian and glacial (b) Fluvial
- (c) Lacustrine (d) Volcanic

Q99. 'Global Dimming' means

- (a) gradual increase of the temperature of ionosphere
- (b) gradual loss of biodiversity hot spots
- (c) gradual reduction in the amount of global direct irradiance at the Earth surface
- (d) gradual increase in the melting of ice in polar regions

Q100. Satellite having the same orbital period as the period of rotation of the Earth about its own axis is known as

- (a) polar satellite (b) stationary satellite
- (c) geostationary satellite (d) INSAT

Q101. Which one of the following is depositional landform?

- (a) Stalagmite (b) Lapis (c) Sinkhole (d) Cave

Q102. Match **List I** with **List II** and select the correct answer using the code given below the

Lists: List I List II (Phenomenon) (Date)

- A. Summer solstice -1. 21st June
- B. Winter solstice -2. 22nd December
- C. Vernal Equinox -3. 23rd September
- D. Autumnal - 4. 21st March Equinox

Code: A B C D

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

Q103. Billy Doctxove, a member of the Elite Panel of ICC umpires belongs to which one of the following countries?

- (a) South Africa (b) West Indies
- (c) Australia (d) New Zealand

Q104. Who among the following is the first man (after Bjorn Borg in 1990) to win the French Open and Wimbledon Singles Title back to back?

- (a) Rafael Nadal (b) Roger Federer
- (c) John McEnroe (d) Daniel Nestor

Q105. Which one of the following committees was constituted by Ministry of Human Resource Development Government of India, as per the direction of the Supreme Court of India to frame guidelines on student union election in colleges/ universities?

- (a) Moily Committee (b) Lyngdoh Committee
- (c) Sachar Committee (d) Ganguly Committee

Q106. The acronym of which one of the following missile is perceived as the confluence of the two nations (India and Russia) represented by two rivers?

- (a) Astra (b) Akash (c) Prithvi (d) BrahMos

Q107. The equipment SONAR is used to determine the

- (a) depth of the seabed
- (b) intensity of an earthquake
- (c) cruising altitude of an aircraft
- (d) speed of a moving object

Q108. AVAHAN'-the Indian segment of Bill and Melinda Gates Foundation (BMGF) is engaged in the prevention of

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- (a) dengue (b) polio
(c) HIV/AIDS (d) filariasis

Q109. Which one of the following is the solitary aircraft carrier of the Indian Navy that turns 50 in 2009, and has the distinction of being the oldest floating airfield in service?

- (a) INS Viraat (b) INS Trishul
(c) INS Godavari (d) INS Vikramaditya

Q110. Consider the following passage about a folk dance form of India. This dance is performed solo or in group of 3 or 4 females essentially on the occasion of worship of Goddess Manasa. As per mythology, Behulaa had to dance before the Goddess Manasa to get back her husband's (Lakhindar) life. The dancers while dancing leave their hair open. Another striking moment of this dance is dancing with Daa (sharp weapon used for sacrifice) and rotating of dancers' head in rapid circular motion, with open tresses. Which one of the following dance form is described above?

- (a) Padayani dance (b) Deodhani dance
(c) Bagurumba dance (d) Gaur dance

Q111. Mahatma Gandhi Rural Employment Guarantee Act makes a paradigm shift from the previous wage employment programmes by

- (a) focusing on all-round development of the rural people.
(b) providing wage employment in rural areas a legal binding for the State Governments
(c) providing a statutory guarantee of wage employment.
(d) augmenting food security through wage employment in rural areas

Q112. The term used to describe the process by which an outsider, immigrant or subordinate group becomes indistinguishably integrated into the dominant host society, is known as

- (a) Accommodation (b) Cultural imperialism
(c) Acculturation (d) Adaptation

Q113. Consider the following information and identify from the code given below the legendary Hollywood actress who is also remembered as a champion for a number of charitable causes, notably the fight against AIDS.

She appeared in more than 50 films and won three Oscars including one for her performance in 'Butterfield 8' and another for 'Who's Afraid of Virginia Woolf?'
The Londonborn actress was a star at age 12, a bride and a divorcee at 18, a screen goddess at 19 and a widow at 26.

- (a) Ingrid Bergman (b) Elizabeth Taylor
(c) Katharine Hepburn (d) Nicole Kidman

Q114. Match the following
List I (books) **List II** (Author)

- A. Bharathipura - 1. Kavery Nambisan
B. A Street in Srinagar - 2. Shehan Karunatilaka
C. Chinaman - 3. Chandrakanta
D. The Story that must not be told - 4. UR Ananthamurthy
Codes A B C D
(a) 4 2 3 1 (b) 1 2 3 4 (c) 4 3 2 1 (d) 1 3 2 4

Q115. The Treaty on Integrated Development of Mahakali River was signed between India and
(a) Pakistan (b) Nepal (c) Bhutan (d) Bangladesh

Q116. Consider the following statements about Malala Yousafzai

- In November, 2012, she was awarded with the Bravery Award by the World Peace and Prosperity Foundation.
 - The United Nations declared 10th November as 'Malala Day' in honour of her contribution in the field of girls' education.
- Which of the statement(s) given above is/are correct?

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

Q117. Which one among the following was added in the year 2012 in the list of world heritage sites of the UNESCO?

- (a) Western Ghats (b) Agra Fort
(c) Ajanta Caves (d) Meenakshi Temple

Q118. Consider the following statements regarding Indian Ocean Rim Association

- The 13th Council of Ministers meeting of the Association was held in November 2013 in Perth.
 - India was elected Chair of the Association from 2013 to Miscellaneous C-173 2015.
 - There are twenty member nations in the Association. Which of the statements given above is/are correct?
- (a) Only 1 (b) Only 2 (c) 1 and 3 (d) All of these

Q119. Indian Navy commissioned its first Advanced Light Helicopter Squadron at Kochi in November 2013. What is the name of the helicopter?
(a) Chetak (b) Dhruv (c) Rudra (d) Cheetah

Q120. Consider the following statements about world's first Modern Slavery Bill, published in June 2014 by the British House of Commons:

- This is the first of its kind bill in Europe which specifically addresses slavery and trafficking in the 21st century.
- The Bill fixes the maximum sentence available for the most serious offenders up to 14 years. 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