

48. Consider the following facts with respect to the Africa Adaptation Initiative that has recently been in news:

1. The main objective of this initiative is to develop African countries by encouraging industrialization in the African continent.
2. It is a joint effort of World Trade Organization and African Union.

Which of the above statement/s is/are correct?

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

49. Consider the following statements with regards to 'Hope Spots':

1. The concept of Hope spots was brought in by United Nations Environment Programme (UNEP).
2. Its objective is to protect the decaying natural and cultural heritage of the world.
3. The Andaman and Nicobar Islands and Lakshadweep islands of India were identified as Hope Spots in India.

Which of the statements given above is/are correct?

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

50. 'Changwon declaration', which was recently in news, related to?

- (a) The trade of genetically modified organisms
(b) Wetland and human welfare.
(c) The illegal trade of Pangolin.
(d) The illegal trade of horns of Indian Rhinoceros.

51. Consider the following statements:

1. This organisms lives in grasslands. It is found in Assam, mainly in Manas Wildlife Sanctuary and Bornadi Wildlife Sanctuary.
2. Sucking louse is a parasite on it.
3. It is listed as critically endangered species by IUCN.

Above statements are related to which organisms?

- (a) Jerdon's Courser (b) Sociable lapwing
(c) Pygmy Hogg (d) Chiru

52. Which of the following statements is/are correct about Ruminants?

1. There are four chambers in the stomach of these animals.
2. Digestion in these animals takes place with the help of special kind of bacteria, protozoa and fungi.
3. The digestive system of these animals is not capable of digesting cellulose.

Select the correct answer using the code given below:

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

53. Which organs of a plant take/s part in its respiration process?

1. Roots
2. Stem
3. Leaves
4. Fruit
5. Flowers

Choose the correct answer with the help of the code given below.

- (a) 1 and 2 Only
(b) 2 and 3 Only
(c) 1, 2 and 3 Only
(d) 1, 2, 3, 4 and 5

54. Consider the following statements:

1. The energy for maintenance process in an organism is obtained from outside its body.
2. The process of maintenance repeats itself on a fixed interval in organisms
3. Majority of the food items of organisms are based on carbon and depending upon the complexity of the carbon source, different organisms have different nutrition processes.

Which of the statements given above is/are correct?

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

55. Consider the following statements with respect to 'Bio Gas':

1. It is produced by the aerobic degradation of organic substances.
2. Along with methane, gases like Carbon dioxide, Hydrogen and Hydrogen sulphide are also produced in this process.
3. The slurry discharged from bio gas plant is used as a high quality manure as it is rich in nitrogen but lacks phosphorus.

Which of the statements given above is/are correct?

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

56. What will be the effect of blockage of blood supply in any organ?

1. The oxygen supply will be blocked in the affected organ.
2. The decomposition of glucose will speed up in the affected organ.
3. The cells of the affected organ will undergo anaerobic respiration to produce energy.

Select the correct answer using the code given below.

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

57. Which of the following pairs are **not** correctly matched?

1. Cuscuta : Host
2. Algae : Heterotrophs
3. Mushrooms : Saprophytes

Select the correct answer using the code given below.

- (a) 1 and 2 Only (b) 2 and 3 Only
(c) 1 and 3 Only (d) None of the above

58. Consider the following statements relating to 'Leaders for Nature' initiative:

1. This initiative has been taken for the conservation of biodiversity in various wildlife sanctuaries in India.
2. This initiative is sponsored and operated by Wildlife Board of India.

Which of the statements given above is/are correct?

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

59. Consider the following statements :

1. The amount of water vapour decreases with altitude.
2. One of the reasons for the increase in the amount of water vapour in the atmosphere is carbon dioxide and other greenhouse gases.
3. Water vapour is stable in air.
4. Water vapour trap some of the heat from the sun and increase the temperature on earth producing a green house effect.

Which of the statements given above is/are correct?

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

60. Consider the following statements :

1. If the earth was not tilted on its axis, there would have been no seasons like summers, winters etc.
2. If the earth was not rotating on its axis, there would have been no alternate day and night.
3. If the earth was not tilted on its axis, there would have been same length of day and night throughout the year.

Which of the statements given above is/are correct?

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

61. Unlike temperate cyclones, tropical cyclones do not have the variations in precipitation and temperature, because -

- (a) Tropical cyclones form only on seas.
- (b) Fronts are absent in it.
- (c) It happens due to excess effect of ITCZ.
- (d) Due to excessive dynamism, the variation of temperature is not possible.

62. Consider the following statements :

1. It is a cold current.
2. Trade winds play an important role in the formation of this current.
3. It flows alongside the western coast of African continent.

Which current/currents do the above statements refer to?

- (a) Canary Current (b) Benguela Current
(c) None of the above (d) Both (a) and (b)

63. Consider the following statements with respect to the innovative field experiment of the oil degradation process recently conducted by Indian scientists in order to deal with the oceanic pollution :

1. This process is also known as Bio - leaching.
2. The active enzymes used in the experiment as obtained from the new strains of oil degrading viruses Burkholderia, Pseudomonas and Micrococcus.

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

64. Which of the following marine organisms have been categorized as Benthic organisms?

1. Jelly fish
2. Coral reef
3. Lobster
4. Molluscs
5. Dolphin

Select the correct answer using the code given below.

- (a) 1, 2 and 4 Only (b) 1, 3 and 4 Only
(c) 2, 3 and 4 Only (d) 3, 4 and 5 Only

65. Consider the following pairs :

Site	Country
1. Negombo	Sri Lanka
2. Shekhupura	Pakistan
3. Ashuganj	Bangladesh
4. Punakha	Bhutan

Which of the above pairs are correctly matched?

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

66. This tribe associated with Munda ethnic group was recently in news due to the death of children due to malnutrition. This tribe is:

- (a) Juang (b) Toda
(c) Mishmi (d) Shompen

67. With reference to Olympic Games, consider the following statements:

1. Singles and doubles competitions are organized in Badminton.
2. Singles and doubles competitions are organized in Table tennis.
3. Tennis uses a ball different from Table tennis.

Which of the statements given above is/are incorrect?

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

68. Consider the following statements with respect to the recent initiative of Government of India 'Mission Parivar Vikas':

1. The objective of this initiative is to improve the nutrition status and bring about a substantial reduction in maternal and infant mortality rate.
2. Ministry of women and child development has been made a nodal agency for its implementation.
3. It is planned to be launched in 145 districts of 7 states with high birth rates.

Which of the statements given above is/are correct?

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

69. With reference to National Human Rights Commission (NHRC), consider the following statements:

1. Either retired or acting Chief Justice of India can become Chairman of NHRC.
2. The chairman and members hold office for a term of five years or until they attain age of 65 years, whichever is earlier.

Which of the statements given above is/are incorrect?

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

70. Consider the following statements regarding the Election Commission of India:

1. The conditions of service and tenure of office of the election commissioners and the regional commissioners shall be determined by the president.
2. The constitution has debarred the retiring election commissioners from any further appointment by the government.

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

71. Read the following statements given below:

1. Although any change in Art 2 & 3 amounts to change in constitution, this change is made by parliament by enacting a simple law which is outside the purview of Article 368.
2. The Constitution can be amended by simple majority, special majority and special provisions with ratification of not less than one-half of the states.

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

72. Which of the following constitutional Provision/Provisions does not Promote killing of animals?

1. Directive Principles of State Policy
2. Fundamental Duties

Select the correct answer using the code given below.

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

73. With the reference to recent decision of the Supreme Court on the 'National Anthem' consider the following statements:

1. "People must feel this is my country and this is my motherland... At the root of Protocol for National Anthem, is respect for national identity, integrity and constitutional Patriotism" as said by the Supreme Court.
2. The respect of the National Anthem is in Fundamental Duties Part [Article 51-A (a)], which is enforceable by the Court and this judgment came in the light of this article.
3. The song was last ordered to be played in cinemas in India after the country's 1962 war with China but the Practice was discontinued in 1975 and afterward.

Which of the statements given above is/are correct?

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

74. Consider the following statements with respect to 'Communal award':

1. Few seats were reserved for the every minority community in the Legislative assembly which were to be elected by separate electorates.
2. Along with the Dalits, the Sikhs and the Christians were also granted the minority status by it.
3. Mahatma Gandhi did a hunger strike till death in the Yervada prison in protest to separate electorates for Dalits, which was opposed by Madan Mohan Malviya.

Which of the statements given above is/are correct?

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

75. Consider the following statements with respect to 'Simon commission':

1. It presented its report on the relationship between Indian estates and the sovereign power.
2. It envisioned an All India Union which included the provincial estates as well.
3. It recommended a fully responsible rule at the centre.

Which of the statements given above is/are **not correct**?

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

76. Consider the following statements with respect to the 'Cornwallis Code':

1. It provided the Collector with judicial and prosecution powers so that he could quickly settle the disputes related to land revenue.
2. It empowered the collector to provide immediate help during famine in his district.

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

77. Karkkidakam associated with Indian culture and tradition is:

- (a) a halt in the Ratha Yatra of Lord Jagannatha.
(b) an important text of Kannad literature related to South Indian festivals.
(c) the last month of Malayalam calendar also known as 'Ramayan' month.
(d) a famous temple of Tamil culture recognized from the ancient times.

78. Consider the following statements relating to Koodiyattam dance form:

1. This dance form is performed in Tamilnadu that involves Sanskrit dramas. It is one of the most ancient theatres of India.
2. This two thousand year old dance form is recognized as 'World heritage art' by UNESCO.

3. It is a temple art performed by the people of Chakyar and Nambiyar community by using hand gestures and eye movements.

Which of the statements given above is/are correct?

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

79. Consider the following practices/ traditions related to the Indian cultural life:

1. The tradition of reading Vedas
2. Navroz
3. Yoga
4. Rasleela

Which of the above are included in the Intangible Cultural Heritage list of UNESCO?

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

80. Consider following statements regarding food chains in an ecosystem.

1. In an aquatic ecosystem, grazing food chains (GFC) is the major conduit for energy flow.
2. In a terrestrial ecosystem, a much larger fraction of energy flows through the detritus food chain than through the GFC.

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

81. You may have heard of the earthworm being referred to as the 'farmer's friend'. Consider following statements regarding this:

1. They help in the breakdown of complex inorganic matter.
2. It conducts respiration through its skin.
3. The process of breakdown of complex organic matter by them is known as 'Decomposition'.

Which of the statements given above is/are correct?

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

82. Consider the following statements:

1. An ecotone is a transition area where two communities meet and integrate.
2. Ecotone is always a wide area.
3. An ecocline is a gradation from one ecosystem to another when there is no sharp boundary between the two.

Which of the statements given above is/are correct?

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

83. Ultraviolet (UV) rays are considered to be very harmful for living organisms. Which of the following are harmful effects of UV rays?

1. Change in DNA
2. Skin Cancer
3. Snow blindness

Select the correct answer using the code given below.

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

84. Consider the following statements related to the MARPOL, the international convention for the prevention of marine pollution:

1. It was adopted in 2010 by International Maritime Organisation.
2. It is related to the prevention of increasing air pollution due to ships.
3. India is a signatory of this convention.

Which of the statements given above is/are correct?

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

85. It is made up of ancient metamorphic rocks and is highly broken. Many sand dunes and plain areas with coarse grain laterite soil are found here.

Above statements are related to which of the following coast?

- (a) Malabar Coast (b) Chennai Coast
(c) Kakinada Coast (d) Coromandel Coast

86. Consider the following statements:

1. In India, the endangered animal Red Panda is found naturally only in the north-eastern sub-Himalayan regions.
2. IUCN has placed Giraffes in Vulnerable list due to rapid decrease in its numbers.

Which of the statements given above is/are **not correct**?

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

87. Consider the following statements:

1. Brown Carbon is emitted mainly by high temperature combustion process.
2. The mass of Brown Carbon is more than black carbon.
3. The absorption Capacity of Black Carbon is less than brown Carbon.

Which of the statements given above is/are correct?

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

88. Which of the following statement is/are true about 'SAKAAR'?

1. It is an augmented reality (AR) application designed for android device.
2. It was developed by CSIR.

Select the correct answer using the code given below.

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

89. Which of the following statements about 'Tapas-201' is/are correct?

1. It is a long endurance combat capable drone, developed by DRDO.
2. It is capable of carrying combinations of payloads.
3. It is a multi mission UAV, which is being developed to carry out the intelligence, surveillance and Reconnaissance (ISR) roles for the three armed forces.

Select the correct answer using the code given below.

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

90. Consider the following statements with respect to the Zika virus :

1. This virus is transmitted by Aedes mosquito.
2. Infection with this virus causes Microcephaly in females.
3. This virus can be transmitted from infected mother to the foetus and also by means of sexual intercourse.
4. India has been placed in High Risk Zone by World Health Organization due to rapid spread of this virus in India.

Which of the statements given above is/are **not correct**?

- (a) 2 and 4 Only (b) 1 and 4 Only
(c) 3 Only (d) None of the above

91. Consider the following statements regarding 'Synthetic Nano Robots' :

1. This robot is operated by means of ultrasonic waves.
2. It can be very helpful in treatment of Tumor.
3. The size of this robot is comparable to that of a Red Blood Cell.

Which of the statements given above is/are correct?

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

92. Consider the following statements regarding 'Cartosat-2C' :

1. It is the fourth satellite in the indigenously built earth observation series of satellites -Cartosat, which was launched by PSLV-C34.
2. Its resolution is more than 1 meter and it can observe objects and areas larger than this size.
3. Panchromatic camera has been used in it.
4. It was used in the Surgical Strike by Indian Army in Pakistan Occupied Kashmir.

Which of the statements given above is/are correct?

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

93. Consider the following statements regarding 'International Renewable Energy Agency' (IRENA):

1. IRENA is an intragovernmental organisation to promote adoption and sustainable use of renewable energy.
2. It is a global hub for renewable energy co-operation and information exchange among its member nations.
3. India is one of the permanent and founder members of IRENA.

Which of the statements given above is/are **not correct**?

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

94. Consider following statements regarding 'Bioremediations':

1. The key players in bioremediation are virus.
2. Bioremediation is the extraction of metals from their ores through the use of living organism.

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

95. Consider following statements regarding ecological successions:

1. Primary succession is faster than secondary succession.
2. Climax community is similar in all successions.

Which of the statement given above is/are correct?

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

96. Consider the following statements regarding MCR-1 gene which was recently in news :

1. MCR -1 gene increases the resistance of humans which will help to fight against viral infection.
2. In a way, MCR - 1 neutralizes the medicines given for the treatment of bacterial infections.

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

97. Which of the following statements with respect to 'New Urban Development Agenda' is correct?

- (a) It is an agenda to pave the path for development under Digital India campaign by Government of India.
- (b) It is an agenda adopted with a view to design a new index as conceptualised by World Bank which can help to achieve all the aspects of development.
- (c) It is an agenda adopted in UN Habitat III.
- (d) None of the above.

98. Consider the following statements with respect to 'Kigali agreement':

1. The reduction in emission of strong greenhouse gases is binding under this agreement. Earlier it was not binding.

2. All the countries have been divided in four groups under this agreement and each group has to phase out the strong greenhouse gases in a different manner.

3. Montreal protocol is a legally binding system which was until now binding only for Ozone layer Depleting Substances.

Which of the statements given above is/are correct?

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

99. Consider the following statements regarding Nirbhay Missile:

1. It is a long-range Subsonic Cruise missile developed by DRDO.
2. Nirbhay missile is being developed under the 'Integrated Missile Development Programme'.
3. Its fourth successful test was conducted in December 2016 and now it is equal to the Tomahawk missile of USA.

Which of the statements given above is/are correct?

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

100. The GST Council has approved four GST rates. Consider the following statements in this regard :

1. It was decided to have a four-level tax system with 5, 12, 18 and 28 per cent tax under the newly proposed Goods and Services Tax system in the Indirect tax area.
2. It is proposed to levy only Clean Environment cess in place of all existing cesses.

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