



DAILY QUIZ SEPTEMBER-2017
ENVIRONMENT

Q1 In an ecotone, the species which become abundant are called:

- A. Keystone species
- B. Edge species
- C. Endemic species
- D. Foster species

Q2 In Ecology, an ecotone is a/an:

- A. Transition zone between two biomes
- B. Community plus its physical environment
- C. Association between a species and a group of sites
- D. Distinct geographic variety within a species

Q3 The 'Montreux Record' is a register of:

- A. Invasive Alien Species and their ecological hazards outside their native environment.
- B. Wetland sites under the threat of anthropogenic activities.
- C. Endangered species of tropical and subtropical fauna.
- D. Coastal cities under direct threat of consequences of global warming.

Q4 consider the following statements

- 1. The GEAC functions in the Ministry of Science and Technology
- 2. The Committee is responsible for appraisals of proposals relating to release of genetically engineered (GE) organisms and products into the environment.

Which of the above statement(s) is/are correct? Select the correct answer using the codes below:

- A. 1 Only
- B. 2 only
- C. Both 1 and 2
- D. None of the above

Q5 Species diversity enhances the stability of a given ecosystem because:

- 1. The microclimate of the ecosystem becomes more favourable and localised
- 2. It narrows the ecological niche of the species

3. It provides the alternative channels for energy flow in the food web
4. Species diversity reduces the mean net primary productivity

Q6 Zebu cattle is originated from:

1. South Africa
2. India
3. Australia
4. Brazil

Q7 Consider the following pairs:

| Conference | Objective |
|-------------------------------------|--|
| 1 Saving the Ozone layer conference | : First Global conference related to Ozone layer |
| 2 Helsinki Conference | : Revision of Montreal protocol |
| 3. Vienna conference | : Total ban on Ozone depleting CFCs |

Which of the above given pairs is/ are correctly matched?

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

Q8 which is the following represents the effect of human activities on the climate change in terms of total amount of greenhouse gasses produced?

- A. Carbon footprint
- B. Carrying capacity
- C. Biotic consumption
- D. None of the above

Q9 Which of the following statements is/are true about the nano complex coating that mimics the physical structure of fish scales developed by IIT scientists.

1. Helpful in removing oil from oil-contaminated surfaces or for absorbing oil from ocean oil-spills.

2. Can be applied to any material to keep the surface free of oil contamination under water.

Select the correct answer using the codes given below:

- A. Only 1
- B. Only 2
- C. 1 and 2
- D. None of the above

Q10 Ecotypes refers to the species having a wide range of distribution which evolve genetically adapted local populations. In this context, consider the following statements with reference to Ecotypes:

1. Ecotypes differ from each other on the basis of morphological and physiological characters.
2. Different ecotypes of a species are interfertile.

Which of the statements given is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

Q11 Sagar Vani launched by:

- A. Ministry of Environment, Forests & Climate Change
- B. Ministry of Earth Sciences
- C. Defence Ministry
- D. The Ministry of Electronics and Information Technology

Q12 which of the following can be considered as example of loss of ecological footprint?

1. Loss of livelihood of fishermen
2. Damage to fish, turtles, crabs among other marine animals
3. Consumers reluctance to buy sea food
4. Environmental damage to coastal areas.

Codes:

- A. 1,2 and 4
- B. 1 and 3
- C. 2 and 4
- D. All of the above

Q13 According to the study conducted by WHO more than 3 million people were died due to their exposure of Particulate matter (PM 2.5). Consider the following statement regarding the study:

- 1. India has been placed first as more than one fifth of such death took place in India.
- 2. According to the study, populations in low income cities are most impacted due to PM 2.5
- 3. PM 2.5 is responsible for many cardiovascular diseases and lung cancer.

Which of the above statements is/are correct?

- A. 1 and 2
- B. 1 and 3
- C. 2 and 3
- D. All of the above

Q14 which of the following statements correctly explains the term 'sere'?

- A. The natural habitat of a mammal
- B. The sequence of changing community
- C. The Functional role of a species
- D. The place of a species in a food chain.

Q15 Which of the following is / are **incorrect** pairs regarding classification of biodiversity?

- 1. Alpha diversity → Between community diversity
- 2. Beta diversity → Within Community diversity
- 3. Gamma diversity → Overall Biodiversity

Select the correct option from the codes given below:

- A. 1 and 2
- B. 3 only
- C. 2 and 3
- D. 1 and 3

Q16 Where is current year IPCC session is taking place?

- A. New Delhi
- B. Montreal
- C. Beijing
- D. Kigali

Q17 Which among the following multilateral environment agreements (MEAs) is **NOT** correctly paired with the respective issue it deals with?

- A. Montreal Protocol of 1987 – Ozone Depleting Substances.
- B. Bonn Convention of 1979 – The conservation of Migratory Species.
- C. Basel Convention of 1989 – Regulation of transboundary movement, transit, handling and use of Living Modified Organisms
- D. Rotterdam Convention of 1998 – Consensual International Trade in certain Hazardous Chemicals and Pesticides.

Q18 The 'thickness' of Stratospheric Ozone layer is measured in/on:

- A. Sieverts
- B. Dobson units
- C. Melson units
- D. Beaufort Scale

Q19 Consider the following statements regarding the Salinization.

1. Irrigation of land helps in reduction of salinity of soil.
2. It occurs on soil due to improper agricultural practices only.

Select the correct statement using the codes given below.

- A. 1 only

- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

Q20 Which among the following is the most abundant Greenhouse Gas in the earth's atmosphere?

- A. Carbon dioxide
- B. Water Vapour
- C. Sulphur Dioxide
- D. Tropospheric Ozone

Q21 The Red List of IUCN provides the list of which of the following?

- A. Threatened species
- B. Dangerous plant species
- C. GM plants
- D. Dangerous animal species

Q22 Which of the following Statements regarding mosses are correct :

1. Mosses are effective at trapping pollutants such as particulate matter
2. Mosses lack a root system, so they rely on deposition from the atmosphere for their mineral nutrition.

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

Q23 Consider the following statements regarding the Recognition of Forest Rights Act 2006.

- 1. Ministry of Tribal Affairs is the nodal ministry for implementing its provisions.
- 2. It seeks to recognize rights for habitation and occupation in forest land for Scheduled Tribes (STs) and other traditional forest dwellers.
- 3. It extends to whole of India.

Which of the following statements given above are correct?

- A. 1 and 2
- B. 1 and 3
- C. 2 and 3
- D. 1, 2, and 3

Q24 which of the following statement is/are correct about the Sundar bans?

- 1) The Indian segment of the Sundarbans is a part of a UNESCO World Heritage site.
- 2) They forms part of the Ganga-Brahmaputra delta
- 3) Sundarbans is the largest Mangrove forest in the world shared between India and Bhutan

Select the correct option from the codes given below:

- A) 1 and 2 only
- B) 2 and 3 only
- C) 1 and 3 only
- D) All are correct

Q25 The headquarters of Zoological Survey of India (ZSI) are located in which city?

- A. Bangalore
- B. Dehradun
- C. Kolkata
- D. Bhubaneshwar

Q26 which of the following are advantages of inland waterways:

- 1. Cost effective
- 2. Environment friendly
- 3. Reduce the congestion in road and railway sector

Choose the correct option:

- A. 1 and 3 only
- B. 2 and 3 only
- C. 3 only
- D. All of the above

Q27 which of the following correctly describes the term 'Ecological Efficiency'?

- A. Ability of plants to convert solar energy into Chemical energy
- B. Chemical Energy converted into Biomass from one trophic level to another
- C. Amount of Organic matter stored by producers
- D. Nutrient availability at the highest trophic level

Q28 which of the following statements is/are true about Ecological Pyramids?

- 1. In a pyramid of Biomass is determined by measuring dry weight of the Organisms
- 2. Inverted Pyramid of Biomass happens when the smaller weight of producers support consumers of larger weight
- 3. Ecological Pyramids have no place for detritivores and decomposers though they play a vital role in Ecosystem

Select the correct answer using the code given below:

- A. 1 and 3
- B. 2 and 3
- C. Only 3
- D. All of the above

Q29 Major Health hazards due to lead contamination are:

- 1. Sickle cell anemia
- 2. Severe damage to kidneys
- 3. Birth defects

Choose the correct option:

- A. 1 and 2 only
- B. None of the above
- C. 2 and 3 only
- D. All of the above

Q30 River Ganga is declared a living person. Which of the following are the implications of it?

1. The river will have the status of a legal person with all corresponding rights, duties and liabilities of a living person
2. Polluting river would amount to harming a human being
3. The Ministry of Environment, Forest and Climate Change will act as legal parent.

Select the correct answer using the code given below:

- A. 1 and 2 Only
- B. 1, 2 and 3 Only
- C. 2 and 3 Only
- D. 1 and 3 Only

Q31 which of the following statement is/are correct regarding Narmada?

1. Narmada, is the largest east flowing river in India
2. It is considered as the dividing line between North India and Peninsular India.
3. It rises near Amarkantak range of mountains in Madhya Pradesh.

Select the correct option using the codes given below:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 3 and 1 only
- D. All of the above

Q32 Choose the the potential benefits of GM crops

1. Raises the productivity of the crop.
2. Reduces the need of using harmful pesticides.
3. Reduces the soil salinity
4. Prevents soil erosion.

Select the correct option using the codes given below:

- A. 1 only
- B. 1 and 3 only
- C. All of the above

D. 1, 2 and 3 only

Q33 what is the current status of snow leopard according to revised IUCN data?

- A. Endangered
- B. Vulnerable
- C. Critically endangered
- D. Threatened

Q34 Which of the following statement(s) is/are true relating to the Ken-Betwa Inter-Linking of Rivers Project?

1. The project will benefit the drought prone areas of Maharashtra and Karnataka
2. Ken-Betwa river interlinking project will be the first river project that will be located within a tiger reserve.

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

Q35 'Boat lab' vessel is commissioned by department of biotechnology recently to study and perform tests on water quality and biodiversity of the wider ecosystem in which of the following river ?

- A. Ganga
- B. Cauvery
- C. Brahmaputra
- D. Yamuna

Q36 which of the following is not a India's Commitment under INDC (Intended Nationally Determined Contributions) ?

- A. Reduce emission intensity by 33 to 35 per cent by 2030 compared to 2005 levels.

B. Produce 40 per cent of electricity from non-fossil fuel based energy resources by 2030, if international community helps with technology transfer and low cost finance

C. Create an additional carbon sink of 2.5 to 3 billion tonnes of carbon dioxide equivalent by 2030 through additional forest and tree cover.

D. All of the above

Q37 The 'Phyto-Pharma Plant Mission', 'B4', and 'Frugal Microscopy through the Foldscope' are programmes/initiatives recently launched by the Department of Biotechnology in which one of the following regions?

A. Western Himalayan states

B. North East Region

C. Western Ghats

D. The states of Jharkhand, Orissa and Chattisgarh

Q38 Aerosols can

1. Scatter sunlight directly back into space

2. Modify the size of cloud particles, thereby changing how clouds reflect and absorb sunlight

3. Be found in the Stratosphere

Select the correct answer using the code given below:

A. 1 and 2

B. 2 and 3

C. 1 and 3

D. 1, 2 and 3

Q39 Consider the following statements about Wildlife Protection Act of 1972

1. Protection to only animals is covered under this act.

2. Wildlife protection act 1972 has 6 schedule to give varying degree of protection.

Choose the correct statements

A. 1 only

B. 2 only

- C. Both 1 and 2
- D. Neither 1 nor 2

Q40 What are the health problems associated with e- waste?

- A. Chances of having high level lead in blood.
- B. Respiratory problems
- C. Can cause Minamata disease.
- D. All of the above

Q41 With reference to bio fortification choose the correct statements?

- 1. Increasing the essential micro nutrient into a food to increase the nutritional content of food.
 - 2. Biofortification can be done through the manual means while processing food.
- A. 1 only
 - B. Neither 1 nor 2
 - C. Both 1 and 2
 - D. 2 only

Q42 Where does the headquarter of Food and Agriculture Organization is located?

- A. Beijing
- B. Geneva
- C. Rome
- D. France

Q43 which of the following is the benefits of city compost?

- 1. Rich in organic carbon
- 2. Weed-free
- 3. City compost can also be blended with rock phosphate to produce phosphate-rich organic manure

4. Simultaneously clean up our cities and help improve agricultural productivity and quality of the soil.

Answer using the codes

- A. 1,2 and 3 only
- B. 3 and 4 only
- C. 2,3 and 4 only
- D. All of the above

Q44 consider the following statements and choose the correct answer :

1. International solar organisation aim for better harmonization among all countries to scale up solar energy production.
2. With ratifications by 15 countries, the ISA will become a treaty based intergovernmental international organization.

- A. Statement 1 and statement 2 both are individually correct. Statement 2 is correct explanation of statement 1
- B. Statement 1 and 2 are Individually correct. But statement 2 is not a correct explanation of statement 1
- C. Statement 1 is true but statement 2 is not true.
- D. Statement 1 not true but statement 2 is true.