

ECO/CA/ENV

1. With reference to seagrasses, consider the following statements:
 1. Seagrasses are the most widespread coastal habitat and are found on all the continents on Earth.
 2. Seagrasses can improve water quality by absorbing excess nutrients in the runoff from the land.
 3. Eutrophication is one of the main threats to seagrass meadows causing a decline of about 7% year on year
 4. While corals are marine hotspots for biodiversity, seagrasses are classified as coldspots.

Which of the statement given above is/are correct?

- a) 1, 2 and 4
 - b) 3 and 4
 - c) **2 and 3**
 - d) 1 and 4
2. Which of the following measures would result in an increase in the money supply in the economy?
 - I. Purchase of government securities from the public by the Central Bank.
 - II. Deposit of current in commercial banks by the public.
 - III. Borrowing by the government from the Central Bank.
 - IV. Sale of government securities to the public by the Central Bank.
 Select the correct answer using the codes given below.

- (a) Only I
 - (b) II and IV
 - (c) **I and III**
 - (d) II, III and IV
3. If the interest rate is decreased in an economy, it will-
 - (a) Decrease in consumption expenditure in the economy.
 - (b) Increase the tax collection of the government.
 - (c) **Increase the investment expenditure of the economy.**
 - (d) Increase in total saving of the economy.

4. Consider the following statements:
 1. Under cash reserve ratio (CRR), a commercial banks have to hold a certain minimum amount of deposits as reserves with itself.
 2. Statutory Liquidity Ratio is the minimum percentage of deposits that a commercial bank has to maintain in the form of liquid cash, gold or other securities with itself.
 3. Banks earn a fixed interest on the money that is set aside as CRR.

Which of the statements given above is/are correct?

- (a) 1 only
 - (b) 1 and 2 only
 - (c) **2 only**
 - (d) 1, 2 and 3
5. Consider the following statements:
 1. The RBI acts as the debt manager to both Central & the State Governments.
 2. The Reserve Bank's debt management strategy includes minimizing the cost of borrowing and reducing the roll-over risks.

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
6. Which of the following policy changes can have an adverse impact on agriculture sector in India?
 1. Reducing import duties on agricultural products
 2. Lifting of Quantitative Restrictions on agricultural products
 3. Removal of Minimum Support Price
 4. Increase in public investment
 5. Export-oriented policy strategy

Select the correct answer using the code given below:

- (a) 1 and 2 only
 - (b) 3, 4 and 5 only
 - (c) **1, 2, 3 and 5 only**
 - (d) 1, 2, 3, 4 and 5
7. Which of the following is the nodal implementing agency for Fisheries and Aquaculture Infrastructure Development Fund?
 - (a) **National Fisheries Development Board**
 - (b) National Bank for Agriculture and Rural Development
 - (c) National Cooperatives Development Corporation
 - (d) NITI Aayog
 8. Which of the following sectors / categories fall under Priority Sector Lending (PSL)?
 1. Loan to minorities
 2. Education loan
 3. Loans for renewable energy

4. Overdraft under Pradhan Mantri Jan Dhan Yojana
 5. To startup companies
- Select the correct answer using the code given below:
- (a) 1, 2, 3 and 4 only
 - (b) 3, 4 and 5 only
 - (c) 1, 2 and 3 only**
 - (c) 1, 2, 3, 4 and 5
9. Consider the following statements about Cash Reserve Ratio (CRR):
1. It is the fraction of the total Net Demand and Time Liabilities (NDTL) of a Scheduled Commercial Bank in India that has to maintain as cash deposit with the RBI.
 2. It applies uniformly to all banks in the country irrespective of an individual bank's financial situation or size.
 3. Non-Bank Financial Corporations (NBFCs) also come under the purview of CRR.
 4. Banks are paid interest for parking the required cash under CRR.
- Which of the above statements are correct?
- (a) 1 and 2 only**
 - (b) 1, 2 and 3 only
 - (c) 3 and 4 only
 - (d) 1, 2, 3 and 4 only
10. Consider the following statements regarding laws of demand and supply:
1. The law of demand says that at higher prices, buyers will demand less of an economic good.
 2. Producers supply more at a higher price because the higher selling price justifies the higher opportunity cost of each additional unit sold.
- 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
11. Which of the following is not the criteria for the designation of a wetland under the Ramsar Convention?
- a) It should support any vulnerable, endangered, or critically endangered species or threatened ecological communities.
 - b) It should regularly support 1000 or more water birds.**
 - c) It support to plant and/or animal species at a critical stage in their life cycles, or provides refuge during adverse conditions.
 - d) It support to 1% of the individuals in a population of one species or sub species of wetland-dependent non-avian animal species.
12. Which of the following are examples of a lotic water ecosystem?
1. Rivers
 2. Creeks
 3. Springs
 4. Marshes
- Select the correct answer using the code given below.
- a) 1, 2 and 3 only**
 - b) 1 and 3 only
 - c) 2 and 4 only
 - d) 2, 3 and 4 only
13. In the context of environment and ecology, Surangam and Zing are:
- a) Living root bridges made by the Khasi and Jaintia tribes of the mountainous terrain along the southern part of the Shillong Plateau.
 - b) Traditional water harvesting practices used in the Western Ghats and Ladakh respectively.**
 - c) Shifting cultivation practices in Manipur and Nagaland.
 - d) Terrace farming practices in the hilly regions of Shiwaliks.
14. With reference to IPCC consider the following statements
1. It was created by the World Meteorological Organization (WMO) and the United Nations Environment Programme (UNEP)
 2. The objective of the IPCC is to provide governments at all levels with scientific information that they can use to develop climate policies.
- 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
15. Which of the following statements regarding the effects of gaseous air pollutants is not correct?
- a) Sulphur Dioxide causes stiffness of flower buds which fall off from the plants
 - b) The red haze in traffic is due to existence of oxides of Nitrogen

- c) Hydrocarbon pollutants are formed by incomplete combustion of fuel
d) Carbon dioxide binds with haemoglobin in blood to form carboxyhaemoglobin
16. Sacred Groves in India can be best defined as
 a) The patches in Sunderban mangroves where man-eater tigers are worshipped out of fear.
 b) The plantation of trees like coconut and banana that produce fruits which are used as offerings to deities.
c) Tracts of forest in which all the trees and wildlife within are venerated and given total protection
 d) Forests where wild animals are sacrificed as a part of a ritual.
17. It is a potent greenhouse gas. The transpiration and evaporation increase its concentration in the atmosphere. Its concentration greatly varies from season to season and region to region. It is one of the highest contributors to the warming of the earth due to its capacity to absorb both incoming and terrestrial radiation. The greenhouse gas being described here is:
 a) Chloro fluorocarbons (CFCs)
 b) Nitrogen oxide
c) Water vapour
 d) Carbon dioxide
18. Which of the following protocols or arrangements are part of the convention on Biological Diversity (CBD)?
 1. Cartagena protocol
 2. Geneva protocol
 3. Nagoya protocol
 4. Advance Informed Agreement
 Select the correct answer using the code given below:
 a) 2 and 4 only
 b) 1 and 3 only
c) 1, 3 and 4 only
 d) 1, 2, 3 and 4
19. The use of living microorganism to degrade environmental pollutant is called:
 a) Micro meditation
 b) Bio mining
c) Bio remediation
 d) Bio augmentation
20. Match the following:
List-I
 A. Producers
 B. Primary Consumers
 C. Decomposers
 D. Secondary Consumer
List-II
 1. Saprotrophs
 2. Autotrophs
 3. Herbivores
 4. Carnivores
 Select the correct answer using the code given below:
a) A-2, B-3, C-1, D-4
 b) A-2, B-3, C-4, D-1
 c) A-3, B-2, C-1, D-4
 d) A-3, B-2, C-1, D-4
21. Consider the following statements regarding the Gangetic River Dolphins
 1. The Vikramshila Gangetic Dolphin Sanctuary is the only sanctuary for dolphins in India.
 2. They have very poor eyesight and depends upon echolocation for catching prey.
 3. They are found in Bhutan, Nepal and Bangladesh.
 Which of the following statements are correct?
 a) 1 and 2 only
 b) 2 and 3 only
 c) 1 and 3 only
d) 1, 2 and 3
22. Consider the following statements regarding coral reefs:
 1. Corals are in symbiotic association of unicellular dinoflagellate algae.
 2. The colour and nutrient to coral is provided by Zooxanthellae.
 Which of the above statements is/are correct?
 a) 1 only
 b) 2 only
c) Both 1 and 2
 d) Neither 1 or 2
23. If a wetland of international importance is brought under the 'Montreux Record', what does it imply?
a) Changes in ecological character have occurred, are occurring or are likely to occur in the wetland as a result of human interference.

- b) The country in which the wetland is located should enact a law to prohibit any human activity within five kilometers from the edge of the wetland
 - c) The survival of the wetland depends on the cultural practices and traditions of certain communities living in its vicinity and therefore the cultural diversity therein should not be destroyed.
 - d) It is given the status of 'World Heritage Site'
24. Consider the following statements
- 1. Livestock emissions from both manure and gastroenteric releases account for roughly around 32 per cent of human-caused methane emissions.
 - 2. Agricultural methane only comes from Livestock farming.
- Which of the above statement/s is/are not correct?
- a) 1 only
 - b) 2 only**
 - c) Both 1 and 2
 - d) Neither 1 nor 2
25. National Museum of Natural History (NMNH) is administered under which of the following ministry?
- a) Ministry of Environment, Forest, and Climate Change**
 - b) Ministry of Education
 - c) Ministry of Culture
 - d) Ministry of Home Affairs



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