

ENVIRONMENT

1. reference to species interactions, the term Antibiosis refers to
 - (a) **production of secretions by an organism which is harmful to others.**
 - (b) an interaction where one organism derives nourishment from another organism.
 - (c) conflict between organisms of two different species for a limited essential resource.
 - (d) an interaction where one species benefits and the other remains unaffected.
2. Which of the following is the ability of an ecosystem to self regulate itself?
 - (a) Assimilation
 - (b) Adaptation
 - (c) **Homeostasis**
 - (d) Evolution
3. The final product of photosynthesis is
 - (a) Carbohydrates
 - (b) Carbon dioxide
 - (c) Oxygen
 - (d) **Both a & b**
4. Which one of the following is the process involved in photosynthesis?
 - (a) Potential energy is released to form free energy
 - (b) **Free energy is converted into potential energy and stored**
 - (c) Food is oxidized to release carbon dioxide and water
 - (d) Oxygen is taken and carbon dioxide and water vapour are given out
5. Which of the following statement(s) is/are true with regard to ecological pyramids?
 1. The pyramid of energy is always an upright one.
 2. Biomass changes over trophic levels can be non-pyramidal.
 3. The pyramid of numbers is always an upright one.
 4. The pyramid of numbers in parasitic ecosystems is always inverted.

Select the correct answer using the code given below:

 - a. 1, 2, 3 and 4
 - b. 1, 2 and 3 only
 - c. **1, 2 and 4 only**
 - d. 1 and 4 only
6. Which statements are true with regard to keystone species?
 1. They play roles affecting many other organisms in an ecosystem.
 2. They determine the ability of a large number of other species to survive.
 3. When a keystone species becomes extinct, it could result in a cascade of extinctions of other species.
 4. They are indicator species.

Select the correct answer using the code given below:

 - a. 1, 2, 3 and 4
 - b. 1 and 3 only
 - c. **1, 2 and 3 only**
 - d. 1, 3 and 4 only
7. Which one of the following terms describes not only the physical space occupied by an organism, but also its functional role in the community of organisms?
 - a. Ecotone
 - b. **Ecological niche**
 - c. Habitat
 - d. Home range

8. In the grasslands trees do not replace the grasses as a part of an ecological succession because of
- insects and fungi
 - limited sunlight and paucity of nutrients
 - water limits and fire**
 - None of the above
9. Which one of the following is the best description of the term 'ecosystem'?
- A community of organisms interacting with one another.
 - That part of the Earth which is inhabited by living organisms.
 - A community of organisms together with the environment in which they live**
 - The flora and fauna of a geographical area
10. **Assertion (A)** : Carbon dioxide in air is necessary for sustaining life.
Reason (R) : Carbon dioxide is assimilated as carbohydrates in photosynthesis.
Which one of the following is correct?
- Both A and R are correct and R is the correct explanation of A.
 - A and R both are correct explanation but R is not the correct explanation of A.**
 - A is correct and R is incorrect.
 - A is incorrect and R is correct.

HISTORY

1. Which of the following statements are correct about last years of Aurangzeb's reign?
- The number of jagirdars appointed had risen to such a great number that there was a serious shortage of paibaqi land.
 - There was rupture in the functional relationship between the emperor and the aristocracy due to lack of resources.
- Select the correct option from the codes given below:
- Only 1
 - Only 2
 - Both 1 & 2**
 - Neither 1 & 2
2. Which of the following statements are correct regarding jagirdari crisis during the reign of Aurangzeb?
- The jagirdari crisis led to an unhealthy competition among the nobles to gain control over the fertile jagirs.
 - The jagirdars faced the insecurity of getting transferred within a short period.
 - The problem worsened further during the reigns of Jahandar Shah, Farrukh Siyar and Muhammad Shah, when more and more mansabdars continued to be appointed.
- Select the correct option from the codes given below:
- Only 1 & 2
 - Only 2 & 3
 - Only 1 & 3
 - 1, 2 & 3**
3. Which of the following statements are correct about 17th & 18th centuries?
- There no peasant revolts in the late seventeenth and the early eighteenth centuries were not a cause behind the decline of the Mughal Empire.
 - Excessive centralization in the Mughal empire was perhaps not fully accepted by India's rural society.
- Select the correct option from the codes given below:
- Only 1
 - Only 2**
 - Both 1 & 2
 - Neither 1 & 2
4. Which of the following statements are correct about the architecture of Mughals?

1. The Mughals introduced arches, spherical domes, minarets, window screens and imposing facades.
2. The employment of Indian craftsmen resulted in the fusion of traditional Hindu and Islamic styles of artistic expression known as the Indo-Islamic style.

Select the correct option from the codes given below:

- (a) Only 1 (b) Only 2
(c) **Both 1 & 2** (d) Neither 1 & 2
5. Consider the following about the policy of “paramountcy”.
1. East India Company was abolished and India began to be governed directly by the British Monarch
 2. The British assured the Indian states that their territory would not be annexed in the future.

Which of the above is/are correct?

- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) **Neither 1 nor 2**
6. Arrange the following events in correct chronological order.
1. 1st Anglo Nepal war
 2. 1st Anglo Burmese war
 3. 4th Anglo Maratha war
 4. 1st Anglo Afghan war

Select correct answer using codes given below:

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

7. Which of the following statements about the Nizams of Hyderabad are not true?
- I. Nasir Jung was murdered by Muzaffar Jung with the help of the French.
 - II. Muzaffar Jung was murdered by Salabat Jung with the help of the British.
 - III. Skiandar Jah succeeded Muzaffar Jung.
 - IV. Osman Ali Khan was the last Nizam of Hyderabad.

Choose the answer using the codes given below.

- a) I and II
b) I and III
c) **II, and III**
d) II and IV
8. Consider the following about the policy of “paramountcy”.
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(c) Both 1 and 2 (d) **Neither 1 nor 2**
9. Match the following columns with regard to policies of British towards Indian States

Policy

- A. Policy of ring fence
- B. Policy of subordinate union
- C. Policy of subordinate isolation
- D. Policy of equal federation

Objective

1. To punish or depose but not to annex
2. To create the buffer zones to defend company frontiers
3. An All Indian Federation
4. States surrendered all forms of external sovereignty and retained full sovereignty in internal administration.

Select the correct answer using the codes given below:

- (a) A-4, B-1, C-2, D-3
- (b) A-2, B-4, C-3, D-1
- (c) A-2, B-1, C-4, D-3**
- (d) A-4, B-2, C-1, D-3

10. Match the following

List – I

- A. Dupleix was defeated by Clive.
- B. War ended in compromise with Treaty of Axe-la-Chappelle.
- C. Battle of Wandiwash.

List -II

- (i) First Carnatic War
- (ii) Second Carnatic War
- (iii) Third Carnatic war

- | | A | B | C |
|-----------|-------|-------|---|
| (a) (ii) | (i) | (iii) | |
| (b) (i) | (ii) | (iii) | |
| (c) (iii) | (ii) | (i) | |
| (d) (ii) | (iii) | (i) | |

1. With reference to digital Platform “LokpalOnline”, consider the following statements:

1. It is an end-to-end digital solution for the management of complaints against public servants filed under the Lokpal and Lokayuktas Act, 2013.
2. Its security audit has been done by an agency empanelled by the CERT-In, Ministry of Electronics and Information Technology.
3. The identity of the complaint is kept confidential on the platform.

Which of the statements given above is/are correct?

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

(d) 1, 2 and 3

2. Which of the following features are correct regarding “The Co-Lending Model” between a bank and NBFC for lending to the priority sector.

1. Banks are permitted to co-lend with all the registered Housing Finance Companies (HFC) also.
2. Banks shall be required to retain a minimum of 20 percent share of the individual loans on their books.
3. The CLM shall not be applicable to foreign banks with less than 20 branches.

Which of the following statements is/are correct?

- (a) 1 and 2 only
- (b) 2 only

(c) 1 and 3 only

(d) 1, 2 and 3

3. With reference to the Ramanujan Prize, consider the following statements:

1. It is administered by the Ministry of Statistics & Programme Implementation.
2. The Mathematician who is less than 30 years of age is eligible for it.

CA

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**

4. With reference to Deposit Insurance and Credit Guarantee Corporation (DICGC), consider the following statements

- 1. If a bank is weak or is even about to go bankrupt, depositors will get their money of up to Rs 1 lakhs within 90 days.
- 2. All commercial banks are insured by the DICGC.
- 3. This covers banks already under moratorium and not those that could come under moratorium.

Which of the following statements is/are correct?

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

5. Sankalp Smarak, recently seen in the news, is related to which of the following personalities?

- (a) Mahatma Gandhi.
- (b) Jawaharlal Nehru
- (c) Subhash Chandra Bose**
- (d) Chandra Shekhar Azad



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