

**IASbaba's Daily Prelims Test [Day 54]**

**Topic- Environment, Current Affairs**

**1. Consider the following**

1. Soil
2. Nutrients
3. Amount of oxygen dissolved in Water
4. Non-Green Plants

**Which of the above is/are abiotic component?**

1. 1, 3 and 4
2. 1, 2 and 3
3. 2, 3 and 4
4. 1, 2, 3 and 4

Solution- 2

Non-Green Plants-Biotic

**2. Consider the following**

1. Mutualism
2. Amensalism
3. Commensalism
4. Parasitism

**Which of the above consists of positive interaction?**

1. 1 and 3
2. 2 and 4
3. 1, 2 and 3
4. 1, 3 and 4

Solution- 4

The question is just asking about positive interaction. It doesn't mean it is exclusive of negative interaction 😊. Be careful while reading the questions.

Mutualism- Positive, Positive interaction

Amensalims- Only negative since one is getting harmed and the other has no effect

Commensalism- Positive, Neutral relationship

Parasitism- Positive, Negative Interaction (Positive is there)

**3. Consider the following statements**

1. A species with large area requirements for which protection of the species offers protection to other species that share the same habitat
2. Can be used to help select the locations of potential reserves
3. Find the minimum size of these conservation areas or reserves, and to determine the composition, structure and processes of ecosystems

**Based on the above statements, select the best suited answer**

1. Keystone species
2. Indicator species
3. Umbrella species
4. Edge species

Solution- 3

Self explanatory- For more, read on google

**4. Consider the following**

1. Mosses
2. Mollusca
3. Lichens
4. Stoneflies
5. Greasewoods

**Which of the above is/are indicator species?**

1. 1, 3 and 5
2. 2, 4 and 5
3. 1, 2, 3 and 4
4. 1, 2, 3, 4 and 5

Solution- 4

[https://en.wikipedia.org/wiki/Indicator\\_species](https://en.wikipedia.org/wiki/Indicator_species)

<http://www.britannica.com/science/indicator-species>

**5. Consider the statements regarding biodiversity**

1. Marine diversity tends to be highest along coasts in Eastern Pacific.
2. Gamma diversity refers to diversity within a particular area, community or ecosystem.
3. Alpha diversity is a measure of the overall diversity for different ecosystems within a region

**Select the correct statement/s**

1. 1, 2 and 3
2. 2 and 3
3. Only 3
4. None

Solution- 4

Marine diversity tends to be highest along coasts in Western Pacific. Last two definitions are interchanged.

**6. Consider the following**

1. Intertidal Zone
2. Littoral Zone
3. Continental shelf
4. Kelp Forest
5. Coral Reefs
6. Pelagic zone
7. Seamounts

**Arrange these marine habitats in correct order of occurrence**

1. 1, 2, 7, 4, 5, 6 and 3
2. 2, 3, 1, 4, 7, 5 and 6
3. 2, 1, 4, 5, 3, 6 and 7
4. 3, 1, 6, 5, 4, 7 and 2

Solution- 3

Order- Littoral zone, Intertidal zone, Estuaries, Kelp forests, Coral reefs, Ocean banks, Continental shelf, Neritic zone, Straits, Pelagic zone, Oceanic zone, Seamounts, Hydrothermal vents, Cold seeps, Demersal zone and Benthic zone

**7. Consider the following**

1. Ten of the eighteen biosphere reserves of India are part of the World Network of Biosphere Reserves, based on UNESCO Man and the Biosphere Program
2. Panchmarhi and Nokrek Biosphere Reserves are two of them part of World Network of Biosphere Reserves

**Select the correct answer**

1. Only 1
2. Only 2
3. Both
4. None

Solution- 2

**Nine of the eighteen biosphere reserves** are a part of the World Network of Biosphere Reserves, based on the UNESCO Man and the Biosphere (MAB) Programme list.

Name	States	Year
Nilgiri Biosphere Reserve	Tamil Nadu, Kerala, Karnataka	2000
Gulf of Mannar Biosphere Reserve	Tamil Nadu	2001
Sundarbans Biosphere Reserve	West Bengal	2001
Nanda Devi Biosphere Reserve	Uttarakhand	2004
Nokrek Biosphere Reserve	Meghalaya	2009
Pachmarhi Biosphere Reserve	Madhya Pradesh	2009
Simlipal Biosphere Reserve	Odisha	2009
Achanakmar-Amarkantak Biosphere Reserve	Chhattisgarh, Madhya Pradesh	2012
Great Nicobar	Andaman and Nicobar Islands	2013

**8. Match the following**

**IUCN Protected Area Management**

**Category**

- |   |          |
|---|----------|
| 1. Landscape                                      | i. I     |
| 2. National Park                                  | ii. II   |
| 3. Area with sustainable use of natural resources | iii. III |
| 4. Habitat  | iv. IV   |
| 5. Wilderness area                                | v. V     |

**Which is/are correctly matched?**

- 1, 2 and 3
- 2 and 4
- 1, 3 and 5
- 1, 2, 3, 4 and 5

Solution-2

**IUCN Protected Area Management Categories:**

Category Ia — Strict Nature Reserve

Category Ib — Wilderness Area

Category II — National Park

Category III — Natural Monument or Feature

Category IV — Habitat/Species Management Area

Category V — Protected Landscape/Seascape

Category VI — Protected Area with sustainable use of natural resources

**9. Recently 'hydroponics' have gained momentum due to its amazing properties and utility. Consider the following regarding this**

1. It uses water and soil
2. It uses nutrients without soil
3. It can increase food production
4. Has been used in Space Programs

**Select the correct answer**

1. 1, 2 and 4
2. 2, 3 and 4
3. 1 and 2
4. 2 and 3

Solution- 2

Hydroponics is a term applied to the cultivation of plants in nutrient solutions without the use of soil. It uses nutrient solutions without soil. It has potential for future techniques of food production when water availability will be less. It is already gaining momentum in many countries. NASA is using this for its future space programmes like Mars inhabitation etc.

**10. Consider the following**

1. Thorium
2. Silicon dioxide
3. Arsenic
4. Uranium
5. Potassium
6. Mercury

**Contaminants of Fly Ash includes**

1. 2, 3 and 6
2. 2, 3, and 4
3. 2, 3, 4 and 5
4. 1, 2, 3, 4 and 6

Solution- 4