

Marine biodiversity - PBBT102

UNIT 1 (2 marks)

1. Define marine biodiversity?
2. How biodiversity is measured?
3. Why many species go extinct every day?
4. What is biodiversity hotspot?
5. What are endemic species?
6. Why is biodiversity so important and worthy of protection?
7. How can we preserve biodiversity?
8. What role does biodiversity play in conservation?
9. What is Biodiversity?
10. How does the vegetal stratification of an ecosystem influence its biological diversity?
11. What is marine biology?
12. What are marine organisms? Give few examples.
13. Write a note on marine organism?
14. List out the unique features of marine organism.
15. What are the potentials of marine organisms in different fields?
16. Enlist different marine organism's types?
17. What are biotic components?
18. Write a note on application of marine organisms?
19. Why is it essential to study marine organisms?
20. What is the role of biodiversity in marine environment?

Part B (5 marks)

1. Write a brief note on marine organism.
2. Write a brief note on history of marine biology.
3. Write a brief note on unique features of marine organism.
4. Write a brief note on potentials of marine organisms in different fields.
5. Explain in brief about types of marine organisms.
6. Explain in brief about history of marine biology. Justify the answer with some expeditions
7. Write a brief note on applications of marine organisms
8. Explain how various species are going extinct with suitable examples.
9. Write a brief note on preservation of marine biodiversity.
10. What is the role of biodiversity in marine environment?

Part C (10 marks)

1. Explain in brief about alternatives for protection of marine biodiversity.
2. What is the role of biodiversity in marine environment? Explain how various species are going extinct with suitable examples.
3. How is biodiversity so important and worthy of protection? Explain in brief about types of marine organisms.
4. What is the reason that many species go extinct every day? Explain in brief about types of marine organisms.

5. Write notes on different organisms found in marine biodiversity.
6. What is biodiversity? Write importance of marine microorganisms.
7. What is biodiversity and why it is important to study marine biodiversity?
8. Explain in brief about history of marine biology.
9. Write a note on unique features of marine organism.
10. Explain how various species are going extinct with suitable examples. List out the unique features of marine organism.

Unit 2

2 marks

1. What is flora?
2. What is marine flora?
3. What is the composition of marine flora?
4. What is the importance of ecosystem?
5. What is the significance of marine plants?
6. Define marine ecosystem.
7. What are planktons?
8. Classify planktons.
9. What are phytoplanktons?
10. What are mangroves?
11. What are sea grasses?
12. What are microalgae?
13. Differentiate micro and macro algae?
14. What are sea weeds?
15. Write about marine microflora?
16. What are salt marsh plants?
17. What are the different types of marine plants?
18. What is the different role of marine flora?
19. Define macroalgae?
20. Give some examples of micro and macro algae.

5marks

1. Difference between micro and macro algae.
2. Write note on composition of marine flora with its distribution.
3. Write in brief about marine microflora.
4. Write a brief note on marine plants.
5. Define Marine Ecosystem. What is the significance of marine plants.
6. write a brief note on

- a. Phytoplankton
 - b. Mangrooves
 - c. Sea grass
7. Write a brief note on micro and macro algae with its significance.
 8. What are the different types of marine plants and their importance in ecosystem?
 9. Explain in brief about composition of marine flora.
 10. Write significance of phytoplankton, micro and macro algae.

10 marks

1. What is the different composition of marine flora?
2. What is the different distribution of micro flora?
3. Explain different type of marine flora.
4. Explain the significance of marine flora. What is the different composition of marine flora?
5. Define
 - a. Phytoplankton
 - b. mangrove
 - c. seagrass
 - d. salt marsh plant
 - e. seaweeds
6. What are seaweeds? Explain with its types and significance.
7. What is microflora? Give some examples of microflora with its significance.
8. What is the role of marine flora in marine biodiversity? Explain its significance
9. Write notes on marine flora.
10. Write a note on Seaweeds.

Unit 3

2marks

1. What is fauna?
2. What is marine fauna?
3. What is the composition of marine fauna?
4. What is Seaweeds?
5. What is the significance of marine animals?
6. Classify Seaweeds.
7. What are zooplanktons?
8. Classify of zooplanktons.
9. What are the different types of marine animals?
10. What are sponges?
11. What are sea cnidarians?
12. What are annelids?
13. What are arthropods?
14. What are molluscs?
15. Write about marine fauna?
16. What are echinoderms?
17. What are the different types of marine animals?
18. What is the different role of marine animals of various phyla?

19. What are Tunicates?
20. What are benthic fishes?

5 marks

1. Write a brief note on marine fauna.
2. Explain different composition of marine fauna.
3. Give a brief account distribution of marine fauna
4. Give a brief account significance of marine fauna
5. Define
 - a. zooplankton
 - b. Sponges
 - c. Cnidarians
 - d. Annelids
 - e. Arthropoda
6. What are benthic fishes? Explain its distribution and significance.
7. Write a note on zooplankton with its significance.
8. Write note on different marine fauna present in marine biodiversity.
9. What are marine mammals? Explain its role in marine ecosystem
10. What is the different role of marine animals of various phyla?

Part C (10 Marks)

1. Explain in detail about marine fauna.
2. Write note on different roles of marine mammals.
3. Explain brief about marine fauna with its significance.
4. Explain the diversity of marine animals.
5. Define
 - a. Zooplankton
 - b. Mollusks
 - c. Cordates pelagic
 - d. Benthic fishes
6. Why study of marine fauna is important? Explain.
7. How does marine fauna contributes towards marine ecosystem?
8. What is the significance of marine animals? Explain brief about marine fauna with its significance.
9. Explain brief about marine fauna with its significance. How does marine fauna contributes towards marine ecosystem?
10. Write note on different roles of marine mammals. Explain in detail about marine fauna.

Unit 4 (2 marks)

1. What are the principles of environmental education?
2. Justify India is a great spot of biodiversity.
3. List out the different types of marine zone?

4. What is intertidal zone?
5. What is Open Ocean?
6. What is Shallow Ocean?
7. What is Deep Ocean?
8. List the threats towards biodiversity.
9. Write down the structure and function of Ecosystem.
10. What is brackish water?
11. Explain the life of marine organism in Shallow Ocean.
12. Write note on life of marine organism in deep sea.
13. Why conservation of Biodiversity is important?
14. What is Biodiversity?
15. Write the effect of physiochemical on marine organisms?
16. How does biological diversity relate to the characteristics of the abiotic factors of an ecosystem?
17. What is adaptation?
18. What is biological stress?
19. What is environmental stress?
20. List the different types of marine zone.

5 marks

1. Explain in brief about adaptation marine organism.
2. What are the different reasons of adaptations for marine organisms?
3. Explain life of marine organisms in different marine zone.
4. What is intertidal zone? Explain the life of marine organism in intertidal zone.
5. Write note on open ocean zone with its biodiversity.
6. Explain the life of marine organisms in different environment.
7. Explain the effect of nutrition on life of marine organisms.
8. What is biological stress and how does it affect marine organisms.
9. Write a brief note on adaptive mechanism of marine organisms.
10. Explain the life of marine organism in Deep Ocean.

10 marks

1. Explain the life of marine organisms in Shallow Ocean.
2. List out the different types of marine zones.
3. Write note on
 - a. Intertidal zone
 - b. Open ocean
 - c. Shallow ocean
 - d. Deep ocean
4. Explain the life of marine organism in deep sea.
5. Explain adaptation of marine organism in different marine zone
6. Explain adaptation of marine organism in different marine environment.
7. List out the different types of marine zones.
8. Explain the adaptation of marine animals in different biological and other stress

9. Explain the adaptative mechanism of microorganisms.
10. Explain the Environmental, nutritional, physicochemical stresses to marine life forms.

Unit 5 (2 marks)

1. Why conservation of marine biodiversity is important?
2. What is conservation of biodiversity?
3. Write the technique of marine conservation?
4. Define bio security.
5. Under what circumstances can aquaculture produce a net benefit for marine conservation?
6. Explain biodiversity assessment technique?
7. Write the principles of biodiversity conservation?
9. What is meant by alien species?
10. How overexploitation effects on conservation of marine biodiversity.
11. How does pollution affect marine biodiversity?
12. Give a note on physical alteration on marine diversity.
13. What are the different methods of conservation of biodiversity?
14. What are the marine pollutants?
15. What is the effect on marine organism due to pollution?
16. How does bio security helps in conservation of marine biodiversity?
17. What is marine pollution?
18. What is the effect of oil spill on marine organisms?
19. How does alien species affect marine biodiversity?
20. Give an account on threats to marine biodiversity?

5marks

1. What is marine diversity? Explain its importance.
2. What is conservation of marine biodiversity and why it is important?
3. Explain the principles of biodiversity conservation.
4. Explain different threats to marine biodiversity.
5. What is over exploitation and how it affects marine diversity?
6. What are physical alteration and its effect on marine biodiversity?
7. How does pollution effects marine biodiversity?
8. Explain why bio security is important?
9. What are alien species and its effect on marine biodiversity?
10. What are the different methods for conservation of marine diversity?

10 marks

1. Describe different methods for conservation of marine biodiversity.
2. What are the different factors that disturb the marine diversity? Explain.
3. Explain the effect of oil spill on marine biodiversity.
4. Why marine species go extinct?
5. Write down the methods that can prevent the loss of marine biodiversity?

6. How fishing cause loss of marine diversity?
 7. Write brief note on conservation of biodiversity and its assessment techniques?
 8. How the natural disaster effect the marine diversity
 9. Why bio security is needed explain with suitable examples.
 10. Explain the types of pollutant causes effects to the marine biodiversity?
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