

<b>R-3061</b>
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<b>Sub. Code</b>
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<b>465201</b>
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**P.G. DIPLOMA EXAMINATION, APRIL 2019.**

**Second Semester**

**SCUBA Diving**

**MARINE BIODIVERSITY THEORY**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

All questions carry equal marks.

1. Alien species.
2. Biodiversity assessment.
3. Endangered.
4. Marine reserve.
5. Cephalopods
6. Sea – snakes.
7. Species evenness.
8. Species inventory.
9. Island ecosystem.
10. Estuary.

**Part B****(5 × 5 = 25)**

Answer **all** questions, choosing either (a) or (b).

All questions carry equal marks.

11. (a) Explain briefly on Physical alteration.

Or

- (b) Briefly explain on Over - exploitation.

12. (a) Write note on marine policy.

Or

- (b) Explain about IUCN.

13. (a) Discuss about sea- cucumber.

Or

- (b) Write briefly on Marine Birds.

14. (a) Briefly explain on genetic diversity.

Or

- (b) Write note on systematic diversity.

15. (a) Write the importance of Sea grass ecosystem.

Or

- (b) Write the importance of Mangrove ecosystem.

**Part C****(3 × 10 = 30)**Answer any **three** questions.

All questions carry equal marks.

16. Elaborate the various threats to marine biodiversity.
  17. Give a detailed account on marine protected areas.
  18. Illustrate the distribution and adaptation of marine mammals.
  19. Expound the details on threatened and vulnerable species.
  20. Explain the importance of Coral reef ecosystem and add their management strategies.
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**R-3062**

**Sub. Code**

**465202**

**P.G. DIPLOMA EXAMINATION, APRIL 2019**

**Second Semester**

**SCUBA DIVING**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Write the full form of SCUBA.
2. Enlist the international organizations providing diving certificates.
3. What is the golden rule of SCUBA diving?
4. What kind of air used in the SCUBA tanks?
5. Write a short note on the importance of 'Purge Valve'.
6. Expand the term 'BCD'
7. Brief the role of 'Buddy' in diving.
8. What is CPR?
9. How tides are differed from waves?
10. What are the specialty diver courses?

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Write a short note on buddy breathing.

Or

- (b) Discuss briefly about the Nitrogen Narcosis.

12. (a) Write a paragraph on the history of SCUBA diving.

Or

- (b) Explain the search and recovery procedures.

13. (a) What is the significance of SCUBA diving?

Or

- (b) Discuss about the prerequisites of SCUBA diving.

14. (a) Write an essay about the Coral reef ecosystem.

Or

- (b) Write an essay about the Seagrass ecosystem.

15. (a) Explain about the buddy preparation procedures.

Or

- (b) Write a short note on the Dive Log.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Write an essay about the signals and communication.

17. Describe the Ascending and Descending procedures.

18. Give an account on underwater skills.
  19. Discuss about the various hazards in diving.
  20. Write an essay on the underwater navigation.
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