

M.Sc. DEGREE I SEMESTER EXAMINATION IN ENVIRONMENTAL TECHNOLOGY, NOVEMBER 2009

ENV/ENB 2101 ENVIRONMENTAL BIOLOGY

Time : 3 Hours

Maximum Marks : 50

PART - A

(Answer ANY SIX questions)(All questions carry EQUAL marks)

(6 x 2 = 12)

- I. (1) What is meant by 'Centres of Diversity'?
- (2) What is 'climax community'?
- (3) What is 'mutualism'? Give two examples.
- (4) What is meant by 'biopiracy'?
- (5) Briefly explain alpha richness and beta richness.
- (6) What is meant by 'hotspot'?
- (7) Define food web.
- (8) What is meant by environmental activism?

PART - B

(Answer ANY SIX questions)(All questions carry EQUAL marks)

(6 x 3 = 18)

- II. (1) Write notes on Coral Reef Biome.
- (2) Write notes on predation.
- (3) What are the major impact of changing air quality and air pollution on plant community?
- (4) What are the causes of desertification?
- (5) Write notes on IUCN and its functions.
- (6) Write notes on CITES.
- (7) Write an account of Ramsar convention.
- (8) Write an account of CBD.

PART - C

(Answer ANY TWO questions)(All questions carry EQUAL marks)

(2 x 5 = 10)

- III. (1) Discuss briefly on the major people's movement for biodiversity conservation in Kerala.
- (2) Write an account of the role of biological interactions in community structure.
- (3) What are the major causes of marine pollution? What is its impact on marine communities?
- (4) What are the major causes of degradation of agricultural land? What is the impact of irrigated agriculture on ground water table?

PART - D

(Answer ANY ONE question)

- IV. Write an essay on the following : (1 x 10 = 10)
- (1) What are the major causes of climate change? What will be the effect of climate change on coastal ecosystem? Discuss briefly the human vulnerability to climate change.
- (2) Write an essay on integrating environmental protection and sustainable development.
- (3) Write an essay on various terrestrial habitats and the major impact of climate change on terrestrial ecosystem.