b. Fundamental and realized niches

5. What do you mean by biogeography? Describe the major terrestrial biomes. Add a note on the theory of island biogeography. [2+8+4=14]

OR

6. Write short notes on the following: [2x7=14]

a. Natural history of Indian subcontinent

b. Liebig-Blackman concept of limiting factors

7. What are the major factors that influence global climate change? Discuss the impact of climate change on biodiversity and agriculture. [6+8=14]

OR

8. Write short notes on the following: [2x7=14]

a. Climax community

b. Structure and function of aquatic ecosystems

9. Write a critical note on how NBA can meaningfully contribute towards conservation of biodiversity highlighting the mandates of CBD. [14]

OR

10. Write short notes on the following: [2x7=14]

a. Biosphere reserves

b. Wildlife conservation

PG (CBCS) ODD SEMESTER EXAMINATION, 2021
held in July 2022

LIFE SCIENCE & BIOINFORMATICS
1st Semester

Course No. : LISBCC - 104
(Environmental and Conservation Biology)

Full Marks : 70
Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

(Answer all questions)

1. Write the principles of ICN. Describe the methods of taxonomy used in classification of organisms. [8+6=14]

OR

2. Write short notes on the following: [2x7=14]

a. Reproductive isolation

b. Different modes of speciation

3. What are the different abiotic and biotic components of an ecosystem? How do they interact with each other? [8+6=14]

OR

4. Write short notes on the following: [2x7=14]

a. Interspecific competition