

M.Sc. (Micro/Botany/Zoology) Semester - 1 (CBCS) Examination**Oct/Nov. -2019 - [OLD COURSE]****BIODIVERSITY AND BIOSYSTEMATICS (CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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Q.1 Answer any seven of the following questions: (14)

- a. What is genetic biodiversity?
- b. Explain about Eco-tourism.
- c. What is invasive species?
- d. Why classification is required?
- e. What is Mosses? explain
- f. Describe keystone species with examples.
- g. What is the significance of CBD?
- h. Draw a few differences in between bony and cartilaginous fishes.
- i. Explain in short: locomotory organs of earthworm.
- j. What are claspers? Write its function.

Q.2 Write notes on any two from the following questions: (14)

- a. Habitat Destruction, Invasive species and Over-exploitation.
- b. Marine biodiversity.
- c. Sustainable use of Biodiversity

Q.3 Write notes on the following: (14)

- a. Human pathogens
- b. Characteristics of Prokaryotes

[OR]**Q.3 Write notes on the following:**

- a. Health important organisms.
- b. Cyanobacteria

Q.4 Answer the Following: (14)

- a. Write differences between angiosperms and gymnosperms.
- b. Write general features and classification of green protists.

Q.5 Write note on any two of the following: (14)

- a. Write general characters and classification of phylum Mollusca
- b. Write differences in between class amphibia and mammalian
- c. Give classification chart of arthropoda and explain with examples
- d. Write general characters of phylum protozoa
