

B.N. Bandodkar College of Science, Thane
Semester I Examination November 2014-2015

USHSC103

Duration 2 hrs 30 mins

Max. Marks-75

- N.B.
- 1) All Questions are Compulsory.
 - 2) Every Question has internal options.
 - 3) Figures to right indicate full marks.

Q.1) a. Write broader classification of Thallophyta 10

OR

a. Write broader classification of Pteridophyta

b. Write broader classification of Bryophyta 10

OR

b. Write broader classification of Angiosperms.

Q.2) a. Attempt any **TWO** 12

Enlist Distinguishing characteristics of following phyla:

1) Mollusca

2) Annelida

3) Arthropoda

4) Echinodermata

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b. Attempt any **ONE**

1. Distinguish between class Mammalia and class Reptilia

2. Distinguish between Cartilaginous and Bony fishes.

Q3) a. What is ecology? Explain the components of ecosystem in detail.

OR

10

a. Explain the concept and pattern of energy flow in ecosystem with suitable diagram.

b. Enlist the types of ecosystem. Explain terrestrial ecosystem in detail.

OR

10

b. What are pyramids? Explain the types of pyramids in detail.

Q.4) Write short notes on any **THREE**.

a. Explain characteristic of sub kingdom Phanerogamae.

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OR

a. Write short note on Gymnosperms.

b. Write a note on symmetry and its types with examples.

OR

b. What are different types of habitat of animals? Explain with suitable examples.

c. Explain food chain with suitable example.

OR

c. Explain aquatic ecosystem.
