

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

USHSC101

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. Explain the meaning of Human Science and the milestones in the history of Human Science. **10**

OR

a. Explain Alchemy and different types of Alchemy. **10**

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

- 1) Explain cosmozoic theory of origin of life.
- 2) Explain theory of biogenesis.
- 3) Give an account of big bang theory of origin of universe.
- 4) Give an account of theory of spontaneous generation.

b) Attempt any **ONE** **08**

- 1) Elaborate on Oparin and Haldane's theory of origin of life.
- 2) Give an account of Miller and Urey's experiment with diagram.

Q3) a. Explain the processes and types of Fossilization.

OR

- a. What is Biostratigraphy? Explain concept of stage and zone.
- b. What are microfossils? Explain different types of microfossils?.

10

OR

b. Explain morphology and fossil records of Stromatolites.

10

Q.4) Write short notes on any THREE 15

a. The Cell theory. 5

OR

✓ a. The discovery of gravitation. 5

b. Dryopithecus. 5

OR

✓ b. The Neanderthal man. 5

c. Paleocology. 5

OR

✓ c. Characteristics of fossils of phylum Porifera 5
