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VPM's B.N.Bandodkar College of Science, Thane  
Human Sciences F.Y.B.Sc ; Course- USHSC101  
Semester I – 2016-17

Total Marks: 75

Duration: 2.5 hrs

**N.B:**1. All questions are compulsory.

2. Figures to the right indicate marks.

3. Draw neat and labeled diagrams wherever necessary.

**Q.1) Give an account of the following**

(A) Nature & significance of Alchemy. (7)

OR

(A) Landmarks in Scientific revolution. (7)

(B) What is the ancient & medieval background of science? Add a note on importance of scientific method. (8)

OR

(B) Ancient Indian applied science. (8)

(C) **Attempt any ONE of the following:** (5)

(i) Explain steps in Scientific Method.

(ii) Branches of biology

**Q.2) Give an account of the following**

(A) Enlist characters of Primitive & Modern Man. (7)

OR

(A) Causes & trends in Human Evolution. (7)

(B) Future Evolution of Man. (8)

OR

(B) Spallanzani's Experiment. (8)

(C) **Attempt any ONE of the following:** (5)

(i) Redi's Experiment.

(ii) Theory of Special Creation.

P.T.O

- Q.3) Give an account of the following (7)
- (A) Fossil Arthropoda and Mollusca. (7)
- OR
- (A) Enlist characters of Calcareous Microfossils. (7)
- (B) Assemblage & Abundance biozone. (8)
- OR
- (B) Stages of Biostratigraphy. (8)
- (C) Attempt any ONE of the following: (5)
- (i) Write a note on Paleobotany
- (ii) Define Phosphatic Microfossils.
- Q.4) Attempt Any THREE of the following: (15)
- (i) Contribution of Copernicus
- (ii) Early development in science.
- (iii) Define Evolution.
- (iv) Spontaneous Generation.
- (v) Define Mold & Cast fossils.
- (vi) Define Trace fossils.

~~~~~All the best~~~~~