

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) Alchemy (7)
- OR
- (A) Contribution of Copernicus & Robert Boyle. (7)
- (B) Define scientific method. Explain the steps involved in it with suitable example. (8)
- OR
- (B) Define scientific revolution. Give its significance. (8)
- (C) Attempt any ONE of the following: (5)
- (i) Ancient Indian Science.
- (ii) Contribution of Johannes Kepler & Galileo Galilie.
- Q.2) Give an account of the following
- (A) Theory of Biogenesis. (7)
- OR
- (A) Future Evolution of Man. (7)
- (B) Enlist characters of Primitive & Modern Man. (8)
- OR
- (B) Urey and miller experiment (8)
- (C) Attempt any ONE of the following: (5)
- (i) Theory of Special Creation.
- (ii) Cultural Evolution of Man.
- Q.3) Give an account of the following
- (A) Siliceous Microfossils. (7)
- OR
- (A) Stages of Biostratigraphy. (7)
- (B) Enlist characters of Calcareous Microfossils. (8)
- OR
- (B) Types of fossilizaton (8)
- (C) Attempt any ONE of the following: (5)
- (i) Significance of fossils.
- (ii) Define Paleoeecology

Q.4)

Attempt Any **THREE** of the following:

(15)

- (i) Contribution of Tycho Brahe & William Harvey .
- (ii) Contribution of Sir Jagdish Chandra Bose & Vikram Sarabhai
- (iii) Write a note on Origin of Life and Organic Evolution.
- (iv) Cosmozoic Theory.
- (v) Define Phosphatic Microfossils.
- (vi) Process of fossilization.

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