

B.SC. ZOOLOGY 6TH SEMESTER SESSIONAL EXAMINATION, 2023
PAPER: EVOLUTIONARY BIOLOGY
PAPER CODE: ZOO-HC-6026

MARKS=30

TIME=1 HR

Q1. Answer the following:

1x4=4

- a) The modern hypothesis of origin of life was formulated by _____-.
- b) Analogous organs have similar _____-.
- c) According to Recapitulation Theory of Evolution, _____ recapitulates phylogeny.
- d) _____ is the author of 'Genetics and the Origin of Species'.

Q2. Write short notes on (any three):

2x3=6

- (a.) Coacervates (b.) Mutation (c.) Discontinuous Distribution (d.) Transitional forms
- (e.) Archaeopteryx

Q3. Distinguish between (any one):

2x1=2

- (a.) Evolution and mutation
- (b.) Chemogeny and Biogeny

Q4. Describe Miller's Experiment with a neat labelled diagram.

8

Q5. Discuss Lamarck's Theory of Evolution. Justify whether this theory has universal acceptance with atleast one example in support of your answer.

8+2=10

OR

Who propounded the theory of Natural Selection? Discuss the theory in brief and add a note on its modern concept.

1+6+3=10