

**C. ABDUL HAKEEM COLLEGE (AUTONOMOUS),  
MELVISHARAM - 632 509.  
SEMESTER EXAMINATIONS, APRIL - 2018**

**B.Sc., ZOOLOGY**

**SEMESTER VI**

**U14MZL603 – EVOLUTION**

Time: Three Hours

Maximum: 75 Marks

**SECTION - A (10 X 2 = 20 Marks)**

Answer **ALL** Questions.

Define/Explain the following:

1. Homologous structure.
2. Vestigial organ.
3. Somatoplasm.
4. Point mutation.
5. Genotype.
6. Heritable variation.
7. Barrier.
8. Limulus.
9. Climatic isolation.
10. Allopatric species.

**SECTION - B (5 X 5 = 25 Marks)**

Answer **ALL** Questions.

11. a) Explain the theory of recapitulation.

(Or)

- b) Explain the blood test method as a biochemical evidence for evolution.

12. a) Give a note on spontaneous mutation.

(Or)

- b) Comment on the biochemical mutation.

13. a) Write an account on the continuous variation.

(Or)

- b) Comment on non- heritable variation.

14. a) Explain Batesian mimicry.

(Or)

- b) Comment on the significance of mimicry.

15. a) Give an account on the ethological isolation .

(Or)

- b) Write a note on the biological evolution of man.

**SECTION - C (3 X 10 = 30 Marks)**

Answer **ANY THREE** Questions.

16. Explain the physiological evidences for evolution.
17. Explain briefly the Darwin's sexual selection theory.
18. Give a brief account on the types of variations.
19. Discuss the importance of living fossils.
20. Explain the biological species concept.

\*\*\*\*\*