

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

B.Sc., ZOOLOGY

SEMESTER VI

U15MZL603 – EVOLUTION

Time: Three Hours

Maximum: 75 Marks

SECTION - A (10 X 2 = 20 Marks)

Answer ALL Questions.

Explain/Define the Following:

1. Protocells.
2. Differentiate Biogenesis and Abiogenesis.
3. Mutation.
4. Vestigial organ.
5. Genetic drift.
6. Meristic variation.
7. Bipolar distribution.
8. Sphenodon.
9. Neanderthal man.
10. Ramapithecus.

SECTION - B (5 X 5 = 25 Marks)

Answer ALL Questions.

11. a) What is protobiogenesis and add a note on it?

(Or)

- b) Briefly explain the origin of earth.

12. a) Write a short note on the mutation on evolution.

(Or)

- b) Give an account on the Neo Lamarckism theory.

13. a) Briefly explain on stabilizing selection.

(Or)

- b) Write the concept of Natural selection.

14. a) Explain about the Mimicry with suitable example.

(Or)

- b) Write a short note on the factors affecting distribution of animals.

15. a) Give a account on ancestry of man.

(Or)

- b) What are the trends in human evolution?

SECTION - C (3 X 10 = 30 Marks)

Answer ANY THREE Questions.

16. Write the physiological and biochemical evidences in favour of the theory of evolution.
17. Write an essay on the Lamarck's theory of use and disuse.
18. Give a detailed account on the Natural selection.
19. Write an essay on Batesian and Mullerian mimicry with suitable examples.
20. Define Isolation and add a note on pre-mating and post-mating isolating mechanism.
