

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

B.Sc., ZOOLOGY

SEMESTER II

U15ABY201 – BOTANY - II (ALLIED)

Time: Three Hours

Maximum: 60 Marks

SECTION - A (10 X 1 = 10 Marks)

Answer **ALL** Questions.

1. Autospore.
2. White rust.
3. Protocorm.
4. Megasporophyll.
5. Evolution.
6. Photosynthesis.
7. Law of Dominance.
8. Darwinism.
9. Biotechnology.
10. Tissue culture.

SECTION - B (5 X 4 = 20 Marks)

Answer **ALL** Questions.

11. a) Describe the structure of *Chlorella*.

(Or)

- b) Describe the life history of *Albugo*.

12. a) Explain the life history of *Funaria*.

(Or)

- b) Describe the internal structure of *Lycopodium* stem.

13. a) Describe the absorption of water in plant.

(Or)

- b) Give note on electron transport chain.

14. a) Explain the Mendel's Law.

(Or)

- b) Explain about the theory of Lamarckism.

15. a) Briefly explain the advantages of tissue culture.

(Or)

- b) Write short notes on Genetic Engineering.

SECTION - C (3 X 10 = 30 Marks)

Answer **ANY THREE** Questions.

16. List out the economic importance of Fungi.
17. Describe the life history of *Cycas*.
18. Write an essay on Krebs's cycle.
19. Briefly describe the theory of Darwinism.
20. Define genetic engineering. Explain the principles and advantages of genetic engineering.
