

C. ABDUL HAKEEM COLLEGE (AUTONOMOUS),
MELVISHARAM - 632 509.

SEMESTER EXAMINATIONS, NOVEMBER - 2018

B.Sc., ZOOLOGY

U18ABY101 – BOTANY - I (ALLIED)

SEMESTER I

Time: Three Hours

Maximum: 75 Marks

SECTION - A (10 X 2 = 20 Marks)

Answer ALL Questions.

Write Short notes on:

1. Eukaryotic cell.
2. Functions of nucleus.
3. Meristematic tissue.
4. Chlorenchyma.
5. Flagellation.
6. TMV.
7. Importance of chlorella.
8. Basidiocarp.
9. Strobilus.
10. Gametophyte.
11. a) Discuss about the structure & functions of mitochondria.
(Or)
b) Differentiate the Prokaryotes from eukaryotes.
12. a) Elaborately discuss the primary structure of root.
(Or)
b) Explain the meristematic from permanent tissues.
13. a) Describe the structure of Bacteriophage.
(Or)
b) List out the general characteristics of bacteria.
14. a) Comment on the structure and life history of *Albugo*.
(Or)
b) Discuss the life history of *Agaricus*.
15. a) Discuss the structure of L.S. of *Lycopodium cone*.
(Or)
b) Elaborately discuss the structure of *Funaria*.

SECTION - C (3 X 10 = 30 Marks)

Answer ANY THREE Questions.

SECTION - B (5 X 5 = 25 Marks)

Answer ALL Questions.

16. Explain in detail about mitosis cell cycle.
17. Write essay on the primary structure of stem.
18. Write a detail note on shape and flagellation of Bacteria.
19. Discuss the structure, life history and economic importance of *Nostoc*.
20. Give an account on the life cycle of *Lycopodium*.