

UG-695

BZOO1-2A

**B.Sc. DEGREE EXAMINATION —
JUNE, 2018.**

First Year

Zoology

GENERAL BOTANY

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Bring out the salient features of the family Rubiaceae.
2. Elaborate the structure of a mature anther.
3. Differentiate C3 pathway with that of C4 pathway.
4. Describe Pond ecosystem.
5. Write notes on:
 - (a) Test cross
 - (b) Back cross.
6. Describe the inflorescence of Euphorbiaceae.

7. Elaborate structure of mature ovule.
8. Briefly write about photorespiration.

PART B — ($5 \times 10 = 50$ marks)

Answer any FIVE questions.

9. Outline the classification of Bentham and Hooker.
 10. Describe the events of fertilisation.
 11. Describe the light reaction.
 12. Bring out the stages of Glycolysis.
 13. Write an essay on air pollution.
 14. Write an essay on crossing over.
 15. Elaborate Dihybrid ratio with suitable example.
 16. Bring out the salient features of Fabaceae and add a note on its economic importance.
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