

UG-694

BZOO1-1

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

First Year

Zoology

INVERTEBRATE ZOOLOGY

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Write short notes on classification of Animal Kingdom.
2. Explain the canal system of Sponges.
3. Describe the general characters of Helminthes.
4. Give a note on Nematode parasites and disease.
5. Write a short note on classification of Annelida.
6. Comment on circulatory system of Prawn.

7. Describe the digestive system of freshwater mussel.
8. Write about the external features of Star fish.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

9. Write an account on life cycle of Plasmodium.
10. Explain the concept of polymorphism with reference to Coelenterate.
11. Give the distinguishing features of the *Toenia solium*.
12. Write an essay on parasitic adaptation in Helminthes.
13. Draw a neat diagram on appendages of Prawn.
14. Write an account on nervous system of Earthworm.
15. Explain the respiratory system of Freshwater mussel.
16. Critical evaluation of water vascular system.

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 × 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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