UG–AS-294 BZOOS–11

U.G. DEGREE EXAMINATION —
JULY 2022.

Zoology

(From CY – 2020 onwards)

First Semester

INVERTEBRATE ZOOLOGY – I

Time : 3 hours Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions out of Five questions each in 100 words.

1. Monophyletic

2. Choanocytes

3. Atolls

4. Flame cells

5. Pinworm

PART B — (3 × 7 = 21 marks)

Answer any THREE questions out of Five questions each in 200 words.

6. Write about the animal classification and nomenclature.

7. Give an account on cellular organization of sponges.

8. Comment on the general characteristics of phylum Coelenterata.

9. Explain the nervous system of *Taenia* solium with neat diagram.

10. Explain the parasitic adaptations of *Enterobius vermicularis*.

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions out of Seven question each in 500 words.

11. Classify the phylum Platyhelminthes upto class level and write down their general characteristics with suitable examples.

12. Give a detailed account on life history of plasmodium.

13. Discuss in detail about the reproduction in sponges with neat illustrations.

14. Write a detailed essay on different types of corals.

15. Explain in detail about the nematode parasites and its effect on hosts.

16. Explain the elementary ideas of parasitic adaptations in helminthes.

17. Give a detailed account on any two types of parasitic protozoans.

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UG–AS-295 BBOTSA-11

U.G. DEGREE EXAMINATION —
JULY 2022.

Botany

(From CY 2020 onwards)

First Semester

PLANT DIVERSITY -I

Time : 3 Hours Maximum marks : 70

PART A — (3 × 3 = 9 Marks)

Answer any THREE questions out of five questions in 100 words

All questions carry equal marks

1. Common on haplontic life cycle in algae.

2. Define Basidiocarp.

3. List out the characteristic features of Bryophytes.

4. Distinguish between parenchyma and collenchyma cells.

5. Enumerate the stelar region in dicot stem.

PART B — (3 × 7 = 21 Marks)

Answer any THREE questions out of five questions in 200 words

All questions carry equal marks

6. Write a note on the economic Importance of Algae.

7. Analyse the structure of *Aspergillus* with neat diagram.

8. Describe the life cycle pattern of *Funaria* with suitable illustration.

9. Explain the structure and function of phloem cells.

10. Discuss about the secondary thickening in dicot stem.

PART C — (4 × 10 = 40 Marks)

Answer any FOUR questions out of seven questions in 500 words.

All questions carry equal marks.

11. Give a detailed account on the life cycle pattern in *Sargassum*.

12. Discuss in details about the structure and methods of reproduction in *Agaricus*.

13. Explain the general characters and structure of *Funaria*.

14. Illustrate the structure, composition and function of complex tissue.

15. Describe the internal structure of dicot leaf with suitable diagram.

16. Give an account on the structure and reproduction of *Oscillatoria*.

17. Write a detailed account on the following.

    (a) Differentiate between simple and permanent tissues.

    (b) Function of Xylem and phloem.

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UG-AS–286 **BCAS-13**

U.G. DEGREE EXAMINATION – JULY 2022

(From CY – 2020 onwards)

First Semester

OFFICE AUTOMATION

Time : 3 hours Maximum marks : 70

PART A — (3 × 3= 9marks)

Answer any THREE questions. Out of Five questions in 100 words.

All questions carry equal marks.

1. What is a computer?

2. How to save a file in Word document?

3. Write about Orientation?

4. What is a Menu?

5. How to Create an email –ID?

PART B— (3 × 7=21 marks)

Answer any THREE questions. Out of Five questions in 200 words.

All questions carry equal marks.

6. Explain the Evolution of computer?

7. Explain Formatting Text?

8. Briefly Explain Paragraph Indents?

9. Write about opening Spreadsheet?

10. Explain about the sorting data?

PART C— (4 × 10 = 40 marks)

Answer any FOUR questions out of Seven questions in 500 words.
ALL questions carry equal marks.

11. Describe in detail about Generation of Computers?

12. Explicate in detail about working with documents?

13. What is Toolbar and explain in detail about adding and deleting features to the toolbar?

14. Discuss about Shortcut Keys in Excel?

15. Discuss about the working with slides in detail.

16. Describe formatting a presentation?

17. Explain Google Gmail in detail?

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UG–AS-296 BZOOS–21

U.G. DEGREE EXAMINATION —
JULY 2022.

Zoology

(From CY – 2020 onwards)

Second Semester

INVERTEBRATE ZOOLOGY – II

Time : 3 hours Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions out of five questions in 100 words.

All questions carry equal marks.

1. Write any three economic importance of Annelida.

2. Biological importance of Green Gland.

3. Draw and label the Mouth parts of Honey bee.

4. What is Organ of Bojanus.

5. Comment on tube feet.

PART B — (3 × 7 = 21 marks)

Answer any THREE questions out of five questions in 200 words.

6. Write an essay on Nervous system of Earthworm.

7. Summarise the General characters of Arthropoda.

8. Elucidate the mouth parts of Cockroach with relevant sketch.

9. Describe the classification of Mollusca up to classes with examples.

10. Explain in detail about the Spicules.

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions out of seven questions in 500 words.

All questions carry equal marks.

11. Give an account on general characters of Annelida.

12. Draw a neat sketch on Appendages of prawn.

13. Explain in detail about Crustacean larvae and their significance.

14. Explain the respiratory system of fresh water Mussels.

15. Write an account on external adaptations of Star fish.

16. Comment on Social Life in Insects.

17. Discuss about the Circulatory system of Star fish.

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UG-AS-297 BBOTSA - 22

U.G. DEGREE EXAMINATION –
JULY 2022.

Botany

(From CY – 2020 onwards)

Second Semester

PLANT DIVERSITY - II

Time : 3 hours Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions out of five questions in 100 words.

All questions carry equal marks.

1. What is meant by binomial nomenclature?

2. Describe the structure of pollen grain.

3. Explain photorespiration.

4. What is food web?

5. Differentiate linkage and crossing over.

PART B — (3 × 7 = 21 marks)

Answer any THREE questions out of five questions in 200 words.

All questions carry equal marks.

6. What are the floral characters of Fabaceae? Add note on its economic importance.

7. Analyse the structure of mature anther with a suitable diagram.

8. Write a note on photosynthesis in C4 plants.

9. Give a brief account on energy flow in an ecosystem.

10. Discuss about the mendel's law of inheritance.

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions out of seven questions in 500 words.

All questions carry equal marks.

11. Give a detailed account on the distribution, floral characters of families Annonaceae and Liliaceae.

12. Explain about the process of fertilization and embryo rescue.

13. Describe Glycolysis pathway.

14. Write an account on the water pollution, consequences and control measure.

15. Analyse the chromosome mapping and its importance.

16. Discuss in details about the types and mechanism of water absorption in plants.

17. Write an account on the development of male gametophyte with suitable diagrams.

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