U.G. DEGREE EXAMINATION — FEBRUARY, 2023.

Zoology

First Semester

INVERTEBRATE ZOOLOGY – I

Time : 3 hours Maximum marks : 70

PART A — (3 × 3 = 9 marks)

Answer any THREE questions.

1. Taxonomy

2. Desmospongia

3. Hydroids

4. Strobila

5. Papillae

PART B — (3 × 7 = 21 marks)

Answer any THREE questions.

6. Write the list of rules involved in naming the species in scientific nomenclature?

7. Comment on the general characteristic of Phylum Porifera.

8. Give an account on the morphological adaptations in parasites.

9. Explain in brief the life history of Ascaris.

10. Write about the polymorphism in Obelia?

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions.

11. Give a detailed account on theories of taxonomy.

12. Illustrate the canal system in sponges and explain the different types of canal system.

13. Discuss in detail on morphology of colony in Obelia.

14. Write a detailed account on the external morphology of *Taenia Solium* with neat diagrams.

15. Classify the Phylum Aschelminthes up to class level and write down their general characteristics with suitable examples.

16. Explain in detail about the life history of *Ascaris lumbricoides*.

17. Classify the Phylum Protozoa up to class level and write down their general characteristics with suitable examples.

———————

U.G. DEGREE EXAMINATION — FEBRUARY 2023

Chemistry

First Semester

OFFICE AUTOMATION

Time : 3 hours   Maximum marks : 70

SECTION A — (3 × 3 = 9 marks)

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

All questions carry equal marks.

1.   What are the advantages of using a computer?

2.   How can you customize the indent amount in MS Word?

3.   What is the shortcut to add a filter to a table?

4.   What is a slide shorter view?

5.   How the World Wide Web works?

SECTION B — (3 × 7 = 21 marks)

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

All questions carry equal marks.

6. What are characteristics and limitations of computer?

7. What is mail merge? Give the basic steps in using mail merge in MS-Word.

8. What is the use of VLOOKUP and how do we use it?

9. How to embed a chart of Excel to PowerPoint presentation?

10. What is the difference between search engine and Web browser? Explain.

SECTION C — (4 × 10 = 40 marks)

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

All questions carry equal marks.

11. Explain various types of computers in detail.

12. What are the most prominent features of MS Word? Explain.

13. What are the various categories of functions available in Excel?

14. How to prepare power point presentation? Explain with example.

15. What is email? How do you create email explain process of sending and receiving emails?

16. Write the steps to saving, find and replacing in word document.

17. Discuss about page formatting methods with example.

_____

UG–CS–1184   BCAS–13

U.G. DEGREE EXAMINATION — FEBRUARY 2023

Botany/Zoology

Second Year

OFFICE AUTOMATION (SOFT SKILL COURSE)

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 Computer?

2. How to delete a break in column?

3. What is a cell address in Excel?

4. What is PowerPoint? Why is it used?

5. What is World Wide Web?

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 advantages and disadvantages of computer?

7. How to create cross referencing in word? Explain.

8. What is the difference between count, counta, and countblank?

9. How to insert slide number on presentation? Explain.

10. What are web browsers? Explain its functions.

PART C — (4 × 10 = 40 marks)

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

All questions carry equal marks.

11. Explain the Generations of computers in detail.

12. What are the main components of MS-Word? Explain.

13. Explain any five built-in functions with examples in MS-Excel.

14. Explain the procedure to add a chart to give your presentation an official business appearance.

15. What is email? How do you create email explain process of sending and receiving emails?

16. Discuss the important features of MS-Word with examples.

17. What is mail merge? Give the basic steps in using mail merge in MS-Word.

———————

U.G. DEGREE EXAMINATION — FEBRUARY, 2023.

Zoology

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. Explain the Coelom of Annelida.

2. Write a short note on *Peripatus* and its affinities.

3. Write a short note on Zoea.

4. Define Glochidium larva.

5. What is Pedicellaria?

PART B — (3 × 7 = 21 marks)

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

All questions carry equal marks.

6. Comment on Trochophore larva and its evolutionary significance.

7. Classify the phylum Arthropoda up to classes with examples.

8. Describe the different types of insect of Mouth parts.

9. List out the general characters of phylum Mollusca.

10. Explain classification of phylum Echinodermata.

PART C — (4 × 10 = 40 marks)

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

All questions carry equal marks.

11. Comment on the effects of Vermicompost on soil Properties.

12. Explain the external morphology of Prawn with diagram.

13. Elaborate on economic importance of Insects.

14. Illustrate and describe the digestive system of fresh water mussel.

15. Describe water vascular system in Star fishes.

16. Give detail account on circulatory system of Prawn.

17. Enumerate the larval stages of Echinoderm and their significance.

_____

U.G. DEGREE EXAMINATION — FEBRUARY, 2023

Zoology

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.   Comment on binomial nomenclature.

2.   Expound structure of mature ovule

3.   Distinguish between C3 and C4 plants.

4.   Enumerate the basic components of ecosystem.

5.   Differentiate between test cross and back cross.

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 economic importance of Rubiaceae.

7. Describe the development of male gametophytes
with neat diagram.

8. Write note on Kerb's cycle.

9. Analyse air pollution and its impact on
environment,

10. Discuss about the genetic linkage.

PART C — (4 × 10 = 40 marks)

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

11. Outline the classification of plants according to
Bentham and Hookers.

12. Describe the ultra-structure of mature anther
with suitable diagram.

13. Write an account on the electron transport chain reaction.

14. Discuss in detail about energy flow in an ecosystems.

15. Analyse the chromosomal mapping.

16. Give a detailed note on distribution, vegetative and floral characters of the Apocynaceae. Add note on its economic values.

17. Discuss in detail about the light and dark reaction in plants.

_____