QP CODE: 21001680

21001680

Reg No : .....

Name : .....

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2022

First Semester

Faculty of Science

Branch VIII-ZOOLOGY

ZY1CT01-BIOSYSTEMATICS AND ANIMAL DIVERSITY

(2012-2018 Admission -Supplementary/Mercy chance)

Time: 3 Hours Max. Weight : 30

Section 1(short answer type questions)

*Answer any **ten out of twelve** questions.*

*Each question carries **1** weight.*

1. Phenetics.
2. ICZN.
3. Homonymy.
4. Phylogenetic Trees.
5. Symmetry.
6. Psuedocoelomate.
7. Onychophora.
8. Placoderms.
9. Agnatha.
10. Eutheria
11. Echiura
12. Monophyly

(10×1=10)

Section II (Short essay type questions)

*Answer any **Five out of eight** questions.*

*Each question carries **2** weight..*

13. Give a short account on taxonomic procedures.

14. Discuss the rules and formation of scientific names of different taxa.

15. Comment on three domain concept in systematics.

16. Discuss the levels of organization in Animal Kingdom.

17. Write a brief account Cropping and Red Queen Principle.

18. Explain the evolutionary relationships of Porifera and Placozoa.

19. Analyse the causes and consequences of Cambrian explosion.

20. Give the reasons for the success of arthropods.

(5×2=10)

Section III(Long essay type questions)

*Answer any **two out of three** questions.*

*Each question carries **5** weight*

21. Describe the classical and modern methods of biosystematics.

22. Through suitable diagrams, explain the skull of reptiles and its importance in biosystematics.

23. Write a detailed account on adaptive radiation in mammals.

(2×5=10)