

Mid-West University  
**Examinations Management Office**  
Final Examinations -2078

Bachelor level/ B.Sc/ 1<sup>st</sup> Semester

Full Marks : 60

Time: 3hrs

Pass Marks.: 30

**Subject :Taxonomy and Lower Non- Chodrrdata (ZOO413/313)**

*Candidates are required to give answer in their own words as far as practicable. The figures in the margin indicate full mark.*

**Attempt all the questions**

**Group A**

**Long questions.**

**(4x8=32)**

1. Described the life cycle of *Monocystis* with relevant illustrations.
2. Describe reproductive organs in *Hirrudinaria*.
3. Explain the life cycle of *Obelia* in detail.
4. What is digenetic life cycle? Explain it, in reference to the life history of *Fasciola hepatica*.

**OR**

Give an account on habit, habitat and structure of *Ancylostoma duodenale*.

**Group B**

**Short questions.**

**(7x3=21)**

5. Write short notes on life cycle of *Giardia*.
6. What is the importance of water current in physiology of *Sycon*.
7. Explain the morphological characters of leech.
8. How does *Fasciola hepatica* excretes?
9. Draw the diagrammatic of life history in *Taenia solium* (without explanation)
10. What is polymorphism? Describe polymorphism in coelenterates.

11. What are corals? Mention its types and importance.

**OR**

Write the significance of scientific nomenclature of organism.

**Group C**

**Attempt any seven questions in very short. [7x1 =7]**

12. Define holotype species.
13. What are sibling species? Give examples.
14. What is metazoan?
15. Define hirudin.
16. In sponges, germ cell is derived from ..... cells?
17. Define amphiblastula.
18. What is coelom?
19. Define natural system of classification.
20. How tapeworm migrates between the hosts?

**THE END**

