

# **Assignment (Zoology)**

*B.Sc. 1<sup>st</sup> Semester*

*Paper: Diversity of Non-Chordates*

**Total Marks=20**

**Questions :**

**5X4=20**

1. Compare Nemathelminthes with Platyhelminthes in terms of body cavity, digestive system, and mode of life. How do these features help Nemathelminthes adapt to a parasitic lifestyle? (5)
2. Describe the general characteristics of Nemathelminthes. Give a classification of this phylum up to classes with one example for each class (5)
3. A) Write a short note on Torsion and Detorsion in Gastropoda (5)  
B) Evolution of symmetry of Metazoa (5)

## **Instructions:**

1. Assignment could be **hand written or in typed form.**
2. Assignment should be **submitted online on LMS only.**
3. Assignment should contain a **Cover/front page having**  
**Student name, Semester, Department,**  
**Subject Zoology (Mention- Major, 2<sup>nd</sup> Minor or Only Minor Subject)**  
**and GU/Samarth Roll no.**
4. All answers to the questions should be compiled in **a single pdf**  
**and properly scanned** before uploading on LMS.

**Last date of Assignment Submission: 15 october, 2025**