

SET – A

Unique Paper Code : 216453  
Name of Paper : Biodiversity – III: Plants (LSPT-408)  
Name of Course : B. Sc. Life Sciences  
Semester : IV  
Duration : 2 Hours  
Maximum marks : 75

**Instructions for Candidates**

*(Write your University Roll Number and Paper Title and Code on top of the Answer Sheet)*

*Attempt **any four** questions in all. All questions carry equal marks.*

- Q. 1 Heterospory and stelar evolution in pteridophytes are considered to be a step towards evolution. Justify. Draw the diagram wherever required. 18.75
- Q. 2 What is meant by alternation of generation in bryophytes? Explain it with the help of life cycle of *Funaria*. 18.75
- Q. 3 Give an illustrated account of structure of female cone of *Cycas* and *Pinus*. Comment upon the morphological nature of ovuliferous scale. 18.75
- Q. 4 Which classification is the most accepted classification and is being followed in different herbaria around the world. Write the complete classification along with its merits and demerits. 18.75
- Q. 5 Write an explanatory note on simple tissues present in plant world. Discuss their structure and function along with diagrams. 18.75
- Q. 6 Discuss the botanical name, family, part used and important uses of rice, coffee and mustard. 18.75