



**THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED**

**Q.1. Answer the following short questions: (6x5=30)**

1. Differentiate clearly between **Bryophytes** and **Tracheophytes**. Give suitable examples.
2. Write down steps involved in the **Evolution of Seeds** with relevant examples.
3. Differentiate between **Leptosporangiate and Eusporangiate** Ferns. Give two examples from each.
4. Define the term “**STELE**”. Describe the stelar system found in plants with examples and neat and labeled diagrammes.
5. What makes **GNETALES** most important among **GYNMOSPERMS**? Discuss
6. Highlight the status of **FEMALE GAMETOPHYTE** in **ANGIOSPERMS**.

**Q.2. Answer the following questions. (3x10=30)**

1. Give a detailed account of the “**GEOLOGICAL TIME SCALE**” with reference to the evolution of Vascular Plants.
2. Write comprehensive note on the **EVOLUTIONARY IMPORTANCE** of **ANGIOSPERMS** along with **THEORIES** pertaining to their **ORIGIN**.
3. Compare and Contrast **SPHENOPHYLLALES** with **EQUSETALES**. Give examples along with neat and labeled diagrams to support your answer.