

**B.Sc. 2<sup>nd</sup> Semester (Hons.)**  
**Subject: Botany**  
**Paper: BOT-HC-2026**  
**(Archegoniate)**  
**Full marks: 30**

**Write any two assignments**

**Assignment 1** (15)

Explain Zimmermann's theory of evolution of vascular plants from ancestral type of plants like *Rhynia*? Give the diagrams.

**Assignment 2** (15)

Describe the structure of sporophyte of *Anthoceros* and its evolutionary significance.

**Assignment 3** (15)

Which Gymnospermic plant shows similarity with Angiosperms and how?