

**RANIGANJ GIRLS' COLLEGE**

**MODEL QUESTIONS-I**

**BOTANY [HONOURS]**

**SEMESTER-III**

**PAPER- CC-VII (Pteridophyte and Gymnosperm) Course code:**

**F.M: 40**

**Time: 2 Hours**

**The figure in the right-hand margin indicates marks.**

**Candidates are required to give their answer in their own words as far as practicable.**

1. Answer any five questions of the following: 1×5=5
  - (a) Name the species of *Lycopodium* where plectostele is found?
  - (b) Define Rhizophor ?
  - (c) Name one edible Pteridophyte.
  - (d) Define gradate sorus.
  - (e) Which Pteridophyte is called club moss?
  - (f) Name one medicinal gymnosperm.
  - (g) Mention the geological distribution of *Glossopteris*.
  - (h) Define transfusion tissue.
  
2. Answer any five questions of the following: 2×5=10
  - a. Write an example each extant homosporous and heterosporous Pteridophyte.
  - b. What do you mean by mixed sorus?
  - c. Name a gymnosperm where endophytic algal association is found. Name the algal species found in association.
  - d. Write the xerophytic features of *Ephedra*.
  - e. Why *Ginkgo biloba* is called living fossil?
  - f. Define ovuliferous scales.
  - g. Name the organ genera of *Glossopteris*.
  - h. What is Sulphur shower?

3. Answer any three questions of the following: 5×3=15
- (a) Describe with neat sketches the vegetative and reproductive features of *Zosterophyllum sp.*
  - (b) Describe the structure of sporocarp of *Marsilea*
  - (c) Write the angiospermic character of *Gnetum*.
  - (d) Write the development of male gametophyte of *Ginkgo*. What is hump. 4+1
  - (e) Describe the female cone of *Pinus*.
4. Answer any one questions of the following: 10×1=10
- (a) What is the common name of *Equisetum*. Draw and describe the organisation of strobilus in *Equisetum*. Name one Indian species of *Equisetum*. 1+8+1
  - (b) Describe the development of female gametophyte of *Pinus*. Write a short note on polyembryony of *Pinus*. 5+5
  - (c) Define Lagenostome. Describe the different organ genera of *Lyginopteris*. 2+8