Roll No.

Total Pages: 2

936

GSM/D-21 BIOLOGY & DIVERSITY OF SEED PLANTS

Paper-I

Time Allowed: 3 Hours] [Maximum Marks: 40

Note: Attempt **five** questions in all, selecting **two** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

| | | Compulsory Question | | | |
|----|--|--|-----------|--|--|
| 1. | Sho | rtly answer the following | | | |
| | (a) | Describe the term Pseudo fossils. | 1 | | |
| | (b) | Name some angiosperms whose fossils have been found. | 1 | | |
| | (c) | Does Ephedra show poly embrony? How? | 1 | | |
| | (d) | Name the group of Gymnosperms that does not have any forecord. | ossi 1 | | |
| | (e) | What is meant by diploxylic condition. | 1 | | |
| | (f) | What are dwarf shoots. | 1 | | |
| | (g) | Define conjoint and open vascular bundle. | 1 | | |
| | (h) | What is Mycorrhiza. | 1 | | |
| | | UNIT-I | | | |
| 2. | What are the major differences and similarities between Angiosperm an Gymnosperms. | | | | |
| 3. | Des | cribe the characteristic features of Gymnosperm in details. | 8 | | |
| 4. | Wri | Write a note on: | | | |
| | (a) | Evolution of seed habit in Gymnosperms. | 4 | | |
| | (b) | Process of fossilization. | 4 | | |
| 5. | Des | cribe the different types of fossils with its importance. | 8 | | |

936/K/125 P. T. O.

UNIT-II

| 6. | Exp | lain the following: | | |
|----|----------------------------------|---|---|--|
| | (a) | Economic importance of Gymosperms. | 4 | |
| | (b) | Draw a diagram of L.S. of ovule in Cycas. | 4 | |
| 7. | Write important features of: | | | |
| | (a) | Amentiferae. | 4 | |
| | (b) | Magnoliales. | 4 | |
| 8. | Draw a well labelled diagram of: | | | |
| | (a) | T.S of root in Ephedra. | 4 | |
| | (b) | T.S of Rachis in Cycas. | 4 | |
| 9 | Give | e the diagrammatic life cycle of ninus | 8 | |