

- NOTE: 1. All questions are compulsory.
2. Figures to right indicate marks.
3. Draw labelled diagrams wherever necessary.

Q I Answer the following (Any Two)

(20)

- 1) Describe the life cycle of *Erysiphe*.
- 2) Write a brief note on special structures of Lichen.
- 3) Give general characteristics of Ascomycetes.
- 4) Describe sexual reproduction in *Xylaria*.

Q II Answer the following (Any Two)

(20)

- 1) Give salient features of Psilophyta.
- 2) Explain asexual reproduction in *Selaginella*.
- 3) Give different processes of fossilization.
- 4) Explain internal morphology of stem and sporangium of *Rhynia*.

Q III Answer the following (Any Two)

(20)

- 1) Explain the structure of young root of *Pinus*.
- 2) Describe the structure of *Pinus* ovule.
- 3) Write a note on uses of Coniferophyta.
- 4) Describe the structure of stem of *Cordaitea*.

Q IV Answer the following (Any Three)

(15)

- 1) Late blight of potato.
- 2) Crustose lichen.
- 3) Strobilus of *Selaginella*.
- 4) Petrification process.
- 5) Bars of Sanio.
- 6) Systematic position of *Pinus*.

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