

Q. 1 Answer the following (Any 2)

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- 1) What is powdery mildew? Give an account of any fungus causing powdery mildew.
- 2) Describe the life cycle of *Xylaria*.
- 3) Name the disease caused by *Phytophthora infestans*. Describe symptoms of the disease, mode of infection and method of control.
- 4) Explain the external thallus structure of Lichens.

Q. 2 Answer the following (Any 2)

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- 1) Explain different processes of fossilization.
- 2) Write down about different processes of male gametophyte development in *Selaginella*.
- 3) Classify *Selaginella* and give its external morphology.
- 4) Give an account of Geological scale.

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Q. 3 Answer the following (Any 2)

- 1) Describe T.S. of young *Pinus* stem.
- 2) Give salient features of Coniferophytes.
- 3) Give systematic position with reasons and external morphology of *Cordaitea*.
- 4) Explain economic importance of Coniferophytes.

15

Q. 4 Write Short note on (Any 3)

- 1) Crustose lichen
- 2) Harmful activities of Ascomycetes
- 3) Embryo development in *Selaginella*
- 4) Systematic position of *Rhynia*
- 5) Bars of *Sanio*
- 6) Systematic position of *Pinus*.

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