

- x. Inner cortex of *Cordia* stem show _____.
- | | |
|----------------|-------------------|
| a. gum canals | b. vascular canal |
| c. resin canal | d. tube canal |

Q.1.(B) Answer the following in **one or two sentence:** **10**

- i. Name the fruiting body of *Xylaria*. Mention the number of spores found in one ascus .
- ii. Name the plant disease and symptoms caused by *Phytophthora infestans*.
- iii. What is geological time scale? Name any one era.
- iv. Mention the types of shoot seen in *Pinus*.
- v. Give the other name of root and seed of *Cordia*.

Q.2. Answer **any two** from the following: **20**

- i. With the help of neat labeled diagram explain sexual reproduction in *Xylaria*.
- ii. Explain in detail the sexual reproduction in *Erysiphe*.
- iii. Give a detailed account of disease cycle of powdery mildew. Add a note on its control measures.
- iv. Discuss the economic importance of Lichen.

Q.3 Answer **any two** from the following: **20**

- i. Give an account of Lepidophyta. Add a note on its classification up to order.
- ii. With reference to *Selaginella* describe i) T.S. of rhizophore ii) T.S. of stem
- iii. What is fossilization? Describe any two types of fossil studied by you.
- iv. Explain the asexual reproduction in *Rhynia*. Add a note on its classification.

Q.4 Answer **any two** from the following: **20**

- i. Give the salient features of Coniferophyta.
- ii. Describe T.S. of *Pinus* old stem with the help of neat labelled diagram.
- iii. Describe the male cone of *Pinus*. Add a note on its systematic position.
- iv. With reference to *Cordaites* describe i) Male strobilus ii) Female Strobilus

Q.5 Write short notes. **(Any Four)** **20**

- i. Systematic position of *Xylaria*.
- ii. Classification on lichen based on habitat.
- iii. T.S. of *Selaginella* leaf.
- iv. T.S. of *Rhynia* stem
- v. Structure of *Pinus* seed
- vi. Systematic position of *Cordaites*
