

Attempt **SIX** Questions in all. **Section-A** is **Compulsory**. Select **FIVE** Questions from **Section-B**.

**SECTION-A**

1- Write short answers to the following:

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- a) What is Sclerotium? What is its use?
- b) Give structure of Nucule of Chara.
- c) What are Homospores?
- d) What are Retrouirueses? Name special enzyme present in them.
- e) Give two similarities between bryophytes and algae.

**SECTION-B**

2- What are Viruses? Give their general structure and classification.

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3- Write a detailed note on Conjugation in Bacteria.

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4- Describe vegetative structure and development of Globule and Nucble in Chara.

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5- Describe life cycle of Puccinia and Alternaria.

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6- Discuss Reproductive Organs in Polytrichum.

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7- Describe vegetative structure, reproduction and lifecycle of Psilotum.

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8- Discuss structures of root, stem and leaves of Cycas with labled diagrams.

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9- Write a detailed note on alternation of generation in angiosperms.

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\*\*\* BA/B.Sc-I (18/A)(N)-xv \*\*\*