

N.B.

1. All questions are compulsory.
2. Draw neat labelled diagrams wherever necessary.

Q.1. Answer the following questions in brief (any two)

16

- a Write a detailed note traditional uses and Ayurvedic properties of *Ficus benghalensis* in vedas?
- b Explain traditional uses of *Calotropis gigantea* from Vedas to present?
- c Describe history of botanical science from Vedas to present?
- d Explain Ayurvedic properties and uses of *Ficus religiosa* ?

Q.2. Answer the following questions in brief (any two)

16

- a Describe reproduction in *Nostoc*.
- b Discuss asexual reproduction in *Rhizopus*. Add a note on its systematic position.
- c Give economic importance of any two algae studied by you.
- d Explain methods of vegetative and asexual reproduction in *Nostoc*.

Q.3 Answer the following questions in brief (any two)

16

- a Describe the sporophytic generation in *Riccia*.
- b Write a note on general characters of Hepaticae.
- c Describe sexual reproduction in *Riccia*. Add a note on its fertilization.
- d Give ethnic uses of *Marchantia* and *Riccia*.

Q.4 Write short notes on (any four)

12

- a Jagdish Chandra Bose
- b Traditional uses of *Calotropis gigantea* .
- c Life cycle of *Rhizopus* .
- d Economic importance of Yeast
- e Spore germination in *Riccia*.
- f Life cycle of *Riccia*.