

T.Y.B.SC. SEM – V (2014 COURSE) : WINTER- 2017
SUBJECT: BOTANY: BIOLOGY OF LOWER CRYPTOGAMES (Algae & Fungi)

Day: Monday
Date: 23/10/2017

W-2017-0642

Time: **3:00 P.M. TO 5:00 P.M**
Max. Marks: 40

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Neat labelled diagram should be drawn **WHEREVER** necessary.

Q.1 Attempt any **TWO** of the following: **(10)**

- a) Give outline of classification of fungi with suitable examples.
- b) Explain globule of *Chara*.
- c) Describe types of fungi spores and mode of liberation.

Q.2 Attempt any **TWO** of the following: **(10)**

- a) Give characteristic features of *Plasmodiophora*.
- b) Explain economic importance of algae as medicine and food.
- c) Describe outline of *Puccinia* life cycle.

Q.3 Attempt any **TWO** of the following: **(10)**

- a) Describe fruiting body of *Agaricus*.
- b) Give classification of algae with suitable examples.
- c) Give modes of nutrition in *Albugo*.

Q.4 Attempt any **FIVE** of the following: **(10)**

- a) Give importance of heterocyst in *Nostoc*.
- b) Describe edible and non-edible mushroom.
- c) Give role of fungi in human welfare.
- d) What is Charantial stage in *Batrachospermum*?
- e) Give diagnostic characters of Deuteromycetes.
- f) Give two importance characters of *Synchytrium*.
- g) Give importance characters of Cyanophyta.

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