

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: 12.00 NOON TO 02.00 PM
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 Chartrantial stage in *Batrachospermum*?
 - e) Give diagnostic characters of Deuteromycetes.
 - f) Give two importance characters of *Synchytrium*.
 - g) Give importance characters of Cyanophyta.