

**T.Y.B.SC. SEM – V (CBCS - 2016 Course) : WINTER - 2018**  
**SUBJECT: BOTANY BIOLOGY OF LOWER CRYPTOGAMES (ALGAE & FUNGI)**

Day: Wednesday  
Date: 10/10/2018

Time: 03.00 P.M. To 06.00 P.M  
Max Marks. 60

**W-2018-0739**

---

**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labelled diagrams **WHEREVER** necessary.
- 

- Q.1** Attempt any **TWO** of the following **(12)**
- a) Give process of mushroom cultivation.
  - b) Describe male reproductive structure in *Chara*.
  - c) Explain *Synchytrium* in fungi.
- Q.2** Attempt any **TWO** of the following **(12)**
- a) Give role of fungi in human welfare.
  - b) Describe cystolcarp in *Batrachospermum*.
  - c) Describe uredial stage and telial stage in *Puccinia*.
- Q.3** Attempt any **TWO** of the following **(12)**
- a) Give structure of *VAM* Fungi.
  - b) Describe aquaculture with suitable example.
  - c) Give importance of single cell proteins. (SCP)
- Q.4** Attempt any **THREE** of the following **(12)**
- a) Give outline of classification of algae.
  - b) Explain asexual reproduction in *Albugo*.
  - c) Give nutrition in Fungi.
  - d) Describe thallus organization in algae.
- Q.5** Attempt any **FOUR** of the following **(12)**
- a) Give modern concept and classification of fungi.
  - b) Explain 'chartrantial stage' in *Batrachospermum*.
  - c) Describe ultrastructure of algae cells prokaryotic and eukaryotic cell.
  - d) Give types of fungi spore and mode of liberation.
  - e) Explain *Clavicep* in ascomycotina fungi.

\* \* \*