

Day: Friday
Date: 03/11/2017

Time: 11.00 A.M. TO 02.00 PM
Max Marks. 60

W-2017-0546

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 A) Choose correct answer from each of the following and rewrite the sentence (06)

- 1) The name of an algae which helps in nitrogen fixation
a) *Nostoc* b) *Batrochospermum* c) *Chlorella* d) *Chara*
- 2) *Oscillatoria* belongs to -----division
a) Chlorophyta b) Cyanophyta c) Rhodophyta d) Xanthophyta
- 3) Vegetative reproduction through hormogonia occurs in
a) *Nostoc* b) *Oscillatoria* c) *Gloeotrichea*
d) *Chlamydomonas*
- 4) In Bryophytes -----
a) sporophytes are dependent upon gametophytes
b) gametophyte is dependent upon sporophytes
c) sporophytes and gametophytes are independent
d) sporophytes itself completes the life cycle
- 5) Imperfect fungi lacks -----
a) sexual reproduction b) conidia c) oodia d) budding
- 6) The association of the algae and fungi is a lichens and is said to be -----
a) mutualism b) commercialism c) parasitism d) mycorrhizal
association

B) Answer the given below (06)

- 1) What are biofertilizers?
- 2) Give the classification of *Sargassum* with reasons.
- 3) Give any two names of fungi belong to division Deuteromycetes
- 4) Enlist any two fungi used in medicines
- 5) Comment on fructicose lichen.
- 6) Distinguish between Ascomycotina and Basidiomycotina

Q.2 Attempt any **TWO** of the following (12)

- a) Describe the structure of *Riccia* sporophytes.
- b) Describe heterospory in *Selaginella*.
- c) Give economic importance of pteridophyta.

P.T.O

Q.3 Attempt any **TWO** of the following (12)

- a) Describe asexual reproduction in *Riccia*
- b) Describe receptacles in *Sargassum*.
- c) Describe sexual reproduction in *Aspergillus*.

Q.4 Attempt any **TWO** of the following (12)

- a) Describe different forms of lichens with their examples.
- b) Describe L.S. of cone in *Funaria*.
- c) Give silent features of pteridophyta

Q.5 Attempt any **TWO** of the following (12)

- a) Describe internal structure of *Selaginella*.
- b) Distinguish between Hepaticopsida and Anthocerotopsida.
- c) Explain role of algae in medicine and food industry.

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