

F.Y.B.SC. SEM – I (CBCS - 2016 Course) : SUMMER - 2019
SUBJECT: PLANT DIVERSITY & UTILIZATION OF PLANTS-I

Day : Saturday
Date : 27/04/2019

S-2019-0803

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

N. B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagram **WHEREVER** necessary.
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Q.1 A) Choose the correct answer from each of the following and rewrite the sentence. (06)

- a) The characters of Equisetales are _____
 - i) Stem is branched
 - ii) Leaves are small & scale like
 - iii) Stem endarch & siphonostele
 - iv) All of the above
- b) Algae belonging to Rhodophyta are _____
 - i) only marine
 - ii) only fresh water
 - iii) both marine as well as fresh water
 - iv) Fresh water & terrestrial
- c) In cyanophyta blue green colour is due to the presence of _____ pigment.
 - i) Chlorophyll
 - ii) Phycocynin
 - iii) Phycoerythrin
 - iv) All of the above
- d) The rhizoids of Riccia are _____
 - i) Multicelled and tuberculated
 - ii) Unicellular & smooth walled
 - iii) Unicellular smooth walled as well as tuberculated
 - iv) Multicellular smooth walled and tuberculated
- e) Saprophytes grow only on _____ matter.
 - i) living
 - ii) dead & decaying
 - iii) both living and dead
 - iv) none of these
- f) The thallus of Lichen is composed of _____
 - i) fungus
 - ii) Fungus and alga
 - iii) Alga
 - iv) none of these

- B)** Attempt **ANY THREE** of the following: (06)
- a) Give classification of *Selaginella* with reason.
 - b) Distinguish between class Phycomyces and Ascomycetes.
 - c) Give economic importance of Lichens.
 - d) Define Plant diversity and give its important objectives.

- Q.2** Attempt **ANY TWO** of the following: (12)
- a) Give an account of asexual reproduction in algae.
 - b) With an examples explain the role of Fungi in food and medicine industry.
 - c) Describe structure of sex organs in *Funaria*.

- Q.3** Attempt **ANY TWO** of the following: (12)
- a) Explain in brief habit and morphological characters of *Sargassum*.
 - b) Describe method of sexual reproduction in fungi.
 - c) Describe structure of Sporophyte in *Selaginella*.

- Q.4** Attempt **ANY TWO** of the following: (12)
- a) Give economic importance of algae.
 - b) Describe sexual reproduction in *Aspergillus*.
 - c) Explain various types of lichens with an example.

- Q.5** Attempt **ANY TWO** of the following: (12)
- a) Describe schematic representation of alternation of generation in *Funaria*.
 - b) Give general characters of pteridophyta and add note on asexual reproduction of Pteridophyta.
 - c) Give classification of Bryophyta with an example of each class.

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