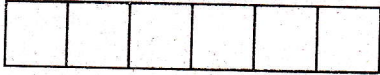


Oct-2014



कोकीळ - 012

BOTANY PAPER - I : BOT - 111
Lower Cryptogams
(11145)

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to the right indicate full marks.
6. Draw neat labelled diagrams wherever necessary.

1. Solve any eight.

8

- a) Study of mushroom is known as.....
 - i) Phycology
 - ii) Mycology
 - iii) Ecology
 - iv) Virology
- b) Reserve food material in algae is.....
 - i) Starch
 - ii) Protein
 - iii) Glycogene
 - iv) Pectin
- c) Algae grown on other plant is known as..... algae.
 - i) Aquatic
 - ii) Lithophytic
 - iii) Epiphytic
 - iv) Terrestrial
- d) Heterocyst present in.....
 - i) Spirogyra
 - ii) Sargassum
 - iii) Ulothrix
 - iv) Nostoc
- e) Union of similar gametes is
 - i) Isogamy
 - ii) Anisogamy
 - iii) Oogamy
 - iv) None of these
- f) Function of holdfast in sargassum is.....
 - i) Fragmentation
 - ii) Reproduction
 - iii) Attachment
 - iv) All above
- g) Aseptate mycelium is found in.....
 - i) Ascomycetes
 - ii) basidiomycetes
 - iii) Phycomycetes
 - iv) Deuteromycetes

- h) In basidiomycetes..... basidiospores are present on basidium.
 i) Four ii) Two
 iii) Eight iv) Five
- i) is example of myxomycetes.
 i) Agaricus ii) Stemonitis
 iii) Rhizopus iv) Aspergillus
- j) Zygosporangium is present in
 i) Rhizopus ii) Agaricus
 iii) Aspergillus iv) Physarum

2. Solve any four.

8

- a) What is akinetes?
 b) Role of fungi in medicine.
 c) Define prokaryotic cell.
 d) Draw the thallus structure of Rhizopus.
 e) Secondary lateral of sargassum.
 f) Define rhizomorph.

3. Solve any two.

8

- i) Give the important characters of Ascomycetes.
 ii) Describe structure of filament of Nostoc.
 iii) Describe any two methods of asexual reproduction in algae.

4. a) Solve any two.

6

- i) Describe siphonaceous and filamentous thallus in algae.
 ii) Describe male conceptacle of sargassum.
 iii) Give systematic position of Rhizopus.

b) Draw the structure of V.S. of gills of Agaricus.

2

5. Give the outline classification of fungi upto classes according to G. M. Smith (1955) with suitable example.

8

OR

Give the economic importance of algae with respect to food, agriculture, industry and medicine.
