A-3010
Second Year B. Sc. (Sem. III) Examination
March/April – 2015
Botany : BOT - 301
(Plant Diversity Of Lower & Higher Cryptogams)
Time : 2 Hours] [Total Marks : 50

(1) Name of the Examinations
Fill up strictly the details of signs on your answer book.
Name of the Subject :
S. Y. B. SC. (SEM. 3)
BOTANY : BOT - 301
Subject Code No. : 3 0 1 0
Seat No. : 0000
Section No. (1, 2,.....) : 0000

(2) The students are expected to write their names, addresses, and other relevant information in the prescribed space.

(3) All questions are compulsory.

1. Marks for each question are indicated at the end of the question. Be systematic in your approach to the answers.

2. Answer all the questions.

3. Use a separate answer sheet for each question.

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1. The following questions are based on the concepts covered in the course.

2. You are required to demonstrate your understanding of the course material.

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ENGLISH VERSION

Instructions: (1) As per the instruction no. 1 of page no. 1
(2) Answer the questions with neat and labeled diagram.
(3) Figures to the right indicate full marks of each question.

1 Give very short answers as directed:
(1) Draw the figure of elaters and write its importance.
(2) In which plant cap cells shown? What does their presence suggest?
(3) State the specific name juvenile form of Batrachospermum. In this form what was occur?
(4) In which form the reserve food material stored in Green algae?
(5) Which generation is well developed in Anthoceros?
(6) Name the spores produced during life span of Puccinia.
(7) State the uses of Parmelia Lichen.
(8) Classify Polytrichum.

2 Describe: (any two)
(1) Life history of Nostoc
(2) Sexual reproduction in Oedogonium
(3) Asexual reproduction in Ectocarpus

3 Describe: (any two)
(1) Mycelium and asexual reproduction in Pythium
(2) Thallus and asexual reproduction in Peziza
(3) External structure and asexual reproduction of Lichen

4 Describe: (any two)
(1) Sporophytic phase of Polytrichum
(2) Reproduction by spore in Marsellia
(3) Position and structure of Equisetum strobilus.