C 83006

(Pages : 2)

Name.......................... 39

Reg. No................................

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MAY 2015

(CUCBCSS-UG)

Complementary Course—Botany

BOT 2C 02—CRYPTOGAMS, GYMNOSPERMS AND PLANT PATHOLOGY

Time : Three Hours

Maximum : 64 Marks

I. Answer *all* questions. 1 marks each :

Answer in a single word :

1 Name a Rhodophycean algae.

2 In which plant Teletospores present ?

3 Which type of chloroplast seen in Spirogyra ?

4 Name a Cyanobacteria.

5 In which plant rhizophores are seen.

Fill in the blanks :

6 Gemmae cup is seen in ————.

7 An association of algae and fungi is called ————.

8 Basidium seen in ———— group of fungi.

9 Corolloid roots seen in ————.

10 Amphibians of plant kingdom are ————.

(10 × 1 = 10 marks)

II. Answer any *seven* questions. Short Answer. 2 marks each :

11 What is bacteriophage ?

12 Define Ascus.

13 What are the economic importance of Sargassam ?

14 Comment on the morphology of Riccia.

15 Write notes on symbiotic association.

16 What are the symptoms of Citrus canker ?

17 What is heterospory ?

18 Apothecium of Usnea.

19 What are the general characters of fungi ?

20 Asexual reproduction in Nostic.

(7 × 2 = 14 marks)

Turn over

III. Answer any *six* questions. Short Essay. 4 marks each :

    21 Write notes on reproduction and economic importance of bacteria.

    22 Give an account of the life history of Selaginella.

    23 Write notes on the disease blast of paddy.

    24 What are the distinguishing features of Ascomycotina and Basidiomycotina ?

    25 Write notes on the general morphological features of Cycas.

    26 Describe with diagram the structure and reproduction in Polysiphonia.

    27 Describe the general characters of Mastigomycotina.

    28 Describe the general characters of Chlorophyceae.

$(6 \times 4 = 24$ m

IV. Answer any *two* questions. Essay. 8 marks each :

    29 Give a general account of virus with special reference to the structure of Bacteriophag

    30 Write an essay regarding the structure and life history of Puccinia.

    31 Give an account of Lichen. What are the economic importance ?

$(2 \times 8 = 16$ m