TDC Even Semester Exam., 2019

BOTANY

(Honours)

(4th Semester)

Course No. : BOTH–401

(Ethnobotany, Horticulture, Palynology and Palaeobotany)

Full Marks : 35

Pass Marks : 12

Time : 2 hours

The figures in the margin indicate full marks for the questions

Answer **five** questions, taking **one** from each Unit

UNIT—I

1. *(a)* State the significance of ethnobotanical studies. 2

(b) Write the scientific names, family and parts used of two ethnobotanically important edible plants of North-East India. 2½×2=5

2. *(a)* Write the scientific names, family and uses of three ethnomedicinal plants of Barak Valley. 6

(b) What is ethnomedicobotany? 1

UNIT—II

3. Write short notes on the following : 3½+3½=7

(a) General knowledge of gardening

(b) Bonsai

4. *(a)* What do you mean by greenhouse and hedges? 2+2=4

(b) Write a note on methods of propagation. 3

UNIT—III

5. Write notes on the following : 3½+3½=7

(a) Pollen as source of honey

(b) Pollen as medicine

6. Write a note on pollen morphology with reference to aperture and surface ornamentation. 7

UNIT—IV

7. Write a note on fossil formation and its types. 7

8. Describe the maceration technique for fossil study. State its advantages and disadvantages. 3+2+2=7

UNIT—V

9. *(a)* Which era is known as 'Age of Angiosperms'? 1

(b) Name two primitive families of angiosperms of tertiary period. 2

(c) Write a note on geological time scale. 4

10. Define palaeobotany. Write a note on palaeobotany in relation to exploration of fossil fuels. 1+6=7

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