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Class – B.Sc. (M) Sem VI
Subject – Botany
Paper – Ecology & Utilization of Plants

Time Allowed : 3 Hours   Maximum Marks : 75

Note:– Attempt five questions in all. Question No.1 is compulsory. All questions carry equal marks.

1.   Write short notes on the following:

   (a)   Relative frequency

   (b)   Ecotone

   (c)   Phanerophytes

   (d)   Green gold of India

   (e)   Fibre Yielding plants

   (f)   Y- shaped model of energy Flow

   (g)   Give botanical name & two salient features of Fennel.

   (h)   How do mint Multiply?

   (i)   Botanical name and family of Cardamon & ginger.

   (j)   Differentiate berween black and green tea.

                                    $1 \frac{1}{2} \times 10 = 15$

Q2. Discuss the general account of plants used as timber wood, Firewood & vegetable oils.

                          OR

Q3. Write morphological features, classifications, part

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used & uses of any three cereal crops. 15

Q 4.(a) What are ecological pyramids? Describe the pyramids of numbers, biomass & energy with illustrated diagrams.

(b) Write short note on Xerosere and Phophorus Cycle.

OR

Q 5.(a) Describe various life forms & the biological spectrum of a community in detail.

(b) Discuss in brief about various indices of diversity. 15

Q 6. Give a detailed account of morphological, anatomical & physiological responses of plants to water.

OR

Q 7. Write brief notes on the following:

(a) Food Chain   (b) IVI   (c) Cotton   15

Q 8. Give Botanical name, family, economically important part, botanical description and Medicinal importance of Harar, Datura, Rouwolfia.

OR

Q 9. Give a detailed account of Rubber and tea. 15

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