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BOTANY

(Major)

Paper : 6.4

(Plant Resource Utilization)

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Fill in the blanks : 1×7=7

(a) Reserpine is obtained from the plant
_____.

(b) The Red Dammar is obtained from
_____.

(c) The term 'ethnobotany' was coined
by _____.

(d) The major alkaloid constituent of Neem
plant is _____.

(e) The aerial part of banana plant is made
up of _____.

(2)

- (f) *Hevea* or para rubber is extracted from the plant which scientific name is ____.
- (g) The major constituent of coffee is ____.

2. Write on/Answer the following in brief : $2 \times 4 = 8$

- (a) Mention the scientific names, families and uses of the following :
- (i) Turmeric
- (ii) Ginger
- (b) What are the products of soya bean? State their uses.
- (c) Plant introduction
- (d) Medicinal values of bay leaf.

3. Answer any *three* of the following questions :

$5 \times 3 = 15$

- (a) Give an account of the origin of cultivated plants.
- (b) What is crop domestication? Describe the process of domestication of crop plants.
- (c) Write notes on crude drugs and commercial drugs.
- (d) State the products and uses of Cocoa. Briefly describe the Cocoa processing.
- (e) Write a note on the by-products of sugar industry.

(3)

4. Answer any *three* of the following questions :

$10 \times 3 = 30$

- (a) What do you mean by Green Revolution? Write a detailed description on Green Revolution.
- (b) Write the scientific names, families, products and uses of the following plants :
- (i) Tea
- (ii) Cotton
- (c) What are timber plant resources? Give an account of timber plant resources of North-East India.
- (d) What is IPR (Intellectual Property Right)? Discuss how IPR is helpful in safeguarding the vast diversity of traditional products of different communities of India.
- (e) Give an account of the classification of plant resources.
- (f) What are the different disciplines of ethnobotany? Give an account of development of ethnobotany in India.

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