

2018

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 \_\_\_\_\_.



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- (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.

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( Continued )

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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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