

63/1 (SEM-3) CC6/BOTHC3066

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(Held in 2023)

BOTANY

Paper : BOTHC3066

(**Economic Botany**)

Full Marks : 60

Pass Marks : 24

Time : 3 hours

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

1. Choose the correct answer from the following : 1×5=5

(a) Saffron is produced from

(i) roots of *Indigofera*

(ii) petals of *Rosa*

(iii) stamens of *Hibiscus*

(iv) style and stigma of *Crocus*

(b) The flex fibres are obtained from

(i) *Cocos nucifera*

(ii) *Cannabis sativa*

(iii) *Linum usitatissimum*

(iv) None of the above

(c) Which of the following is an oil seed crop?

(i) Marigold

(ii) Sunflower

(iii) Rose

(iv) *Chrysanthemum*

(d) A drug which reduces high blood pressure is obtained from

(i) *Aconitum chasmanthum*

(ii) *Centella asiatica*

(iii) *Rouwolfia serpentina*

(iv) *Solanum nigrum*

(e) The scientific name of 'Sisam' plant is

(i) *Cassia fistula*

(ii) *Dalbergia sissoo*

(iii) *Cocos nucifera*

(iv) *Morus alba*

2. Answer the following questions in short :

2×5=10

(a) Define fumitories and masticatories.

(b) Name four important plants from which fibres are obtained.

(c) How are plants classified on the basis of their economic uses?

(d) Mention the active chemicals of turmeric and Jatropha.

(e) Give the nature of chief food reserve in pea and wheat.

3. Answer any five of the following questions :

5×5=25

(a) Describe the oil-yielding plants of your locality. Mention the plants' parts from which the oil is extracted and give scientific name of the plants. 1+4=5

(b) What is timber? Write about five plants yielding commercial timber along with their uses. 1+4=5

(c) Mention the leading Indian States which produce the following : 5

Tea, Rubber, Rice, Sal, Mustard

(d) "Neem is a wonder plant." Justify the statement. 5

(e) Give the scientific names of the following : 5

Groundnut, Maize, Gram, Black pepper, Cotton

(f) Give an account of processing of finished products and uses of the following plants : $2\frac{1}{2}+2\frac{1}{2}=5$

(i) Jute

(ii) Coir

(g) Discuss briefly on the importance of genetic or germplasm diversity. 5

4. Answer any *two* of the following questions : $10 \times 2 = 20$

(a) Write the morphology, processing and uses of coffee. 10

(b) Describe the methods of tapping and processing of natural rubber. Write various uses of rubber. $3+5+2=10$

(c) What is centre of origin of plants? Describe about the Vavilov's centre of origin of cultivated crops. $2+8=10$
