

B. A./B.Sc. - 6th Sem.

(2517)

Botany Paper-VI-B: Economic Botany

Time Allowed: 3 hrs.

Max. Marks: 35

Note: Attempt FIVE questions in all including question no.1 which is Compulsory. All questions carry EQUAL (7) marks. (5x7=35)

1. Give Short Answers to each of the following questions. Answer to any of the questions should not exceed 3-4 lines. Each such question carries ONE mark. (7x1=7)

- i) Giving specific example, explain what do you understand by Surface fibres?
- ii) Comment upon the important properties of rubber which makes it so valuable.
- iii) Define cereal. Comment upon the morphological nature of rice grain.
- iv) Giving specific example, explain what do you understand by semidrying oils?
- v) Species are classed as adjuncts and not food. Justify the statement.
- vi) Comment upon the medicinal properties of caffeine.
- vii) Give the trivial name, botanical name and family of one major timber tree of Punjab.

2. Name the major cereal crops of Punjab. Give an account of packages and practice of wheat cultivation in Punjab. Enlist some of the major high yielding varieties of wheat which are resistant to common rust diseases infecting wheat crop in Punjab. (2+3+2)

3. Give the scientific name and family of Potato. Give an account of high yielding varieties and cultivation practices recommended for cultivation of Potato Crop in Punjab. (2+2+3)

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4. What are vegetable oils? How do they differ from fats? Name the different classes of vegetable oils. To which of these classes mustard oil belong? Give an account of cultivation practices including high yielding varieties recommended for the cultivation of mustard crop. (4+3)
5. Give the botanical name, family, plant part used, active principal and medicinal utility of Harar, Bahera, Neem, Amla, Ashwagandha, Datura and Sarpagandha. (7)
6. What are Species? Give an account of botanical name of the plant, part of the plant from which spice is obtained and uses in case of Black pepper, Cloves, Ginger, Fennel, Cardamon and Cinnamomum. (7)
7. a) Define Beverages. Why Tea is categorized amongst the beverages? Name the major source of Tea in the World. Give an account of preparation and uses of Tea.
b) Write a brief note on Jute as a source of fibre. (5+2)
8. What is the source of Commercial Rubber? Give an account of method employed for obtaining latex for preparation of rubber of Commerce. Give an account of processing of latex into final product and its uses. (3+4)
9. Write explanatory notes on the following:-
i) Coconut as a source of vegetable oil.
ii) Major timber sources of India.
iii) Turmeric as a source of spice and medicine. (3+2+2)

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