

Exam. Code : 103206

Subject Code : 1328

B.A./B.Sc. 6th Semester

BOTANY (Economic Botany)

Paper-VI B

Time Allowed—3 Hours]

[Maximum Marks—35

Note :— Attempt **five** questions in all including question number 1, which is compulsory. All questions carry equal marks. Support your answer with suitable diagram wherever necessary. Be brief and to the point in your answers.

1. Write very short answers not exceeding **five lines** to each of the following parts. Each such part is of **1 mark** :
 - (a) Ginger, despite being an important condiment, is used as a medicine too. Justify the statement.
 - (b) What do you understand by lumber and timber ?
 - (c) Give one example each of Rabi Crop and Kharif Crop cultivated in Punjab.
 - (d) Give the botanical name of Bahera. Comment upon its medicinal properties ?

- (e) Give the basic difference between drying oil and Semidrying oil.
- (f) What do you understand by Decaffeinated Coffee ? Comment upon the associated advantages.
- (g) What is the basic difference between oils and fats ? Why fatty oils are called fixed oils ?
2. Define cereal. Name two major cereals of Punjab other than wheat. Give an account of packages and practices employed for cultivation of Wheat in Punjab. Enlist its high yielding varieties recommended for cultivation in different parts of Punjab State.
3. Give an account packages and practices recommended for the cultivation of Potato in Punjab. Where is the Central Potato Research Institute located in India ? Enlist some of the important high yielding varieties of Potato recommended for cultivation in Punjab State.
4. (a) What are fibres ? Name the sources of surface fibre and bast fibre. How do they differ from each other ? Also comment upon their utility.
- (b) Write a short explanatory note on the source, properties and utility of Fatty oil.
5. (a) What are spices ? Why these are referred as food accessories and not food ? Is it possible to differentiate spices from condiments, explain giving suitable reason?

- (b) Give an account of the botanical name, family, part of the plant from which condiment is obtained in case of Cardamom, Mint, Cloves and Turmeric.
6. Give an account of botanical name of the plant, family, plant part used, active principal and medicinal utility of Harar, Sarpagandha, Belladonna and Ashwagandha.
7. Name the source of Coffee and Tea in India. How does coffee differ from tea ? Give an account of cultivation, processing, production and consumption of Tea in India.
8. What is the source and nature of commercial rubber ? Why majority of the rubber plants belong to Families Moraceae, Euphorbiaceae and Apocynaceae ? Give an account of the production and utility of commercial Rubber in India.
9. Write short explanatory notes on the following :
- (a) Economic relevance of plants and plant products
- (b) Bamboos and their native uses.