

Exam. Code : 210003
Subject Code : 4913

M.Sc. Botany 3rd Sem. (Batch 2020-22)

APPLIED BOTANY

Paper : BOT-C616

Time Allowed—3 Hours] [Maximum Marks—50

Note :- Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The **fifth** question may be attempted from any section. All questions carry equal marks.

SECTION-A

1. Describe briefly the history and nature of legumes and pulses. 10
2. Write short notes on the following :
 - (a) Functional foods 10
 - (b) Fireproofing of wood. 10

SECTION-B

1. Describe the physical characteristics of Indian woods along with their seasoning and chemical treatment methods. 10
2. Write short notes on the following commercial woods :
 - (a) *Tectona grandis* 10
 - (b) *Shorea robusta*. 10

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(Contd.)

SECTION-C

1. Describe the following industrial products :
 - (a) Sugar, starches and cellulose products 10
 - (b) Latex yielding products. 10
2. Discuss the following :
 - (a) Hard and soft fibres 10
 - (b) Recycled paper. 10

SECTION-D

1. Discuss the chemical processing for the manufacturing of finished rubber. 10
2. Discuss the sources of natural dyes in India along with different methods used for their extraction. 10

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