

Exam. Code : 210003

Subject Code : 3795

M.Sc. Botany 3rd Semester

APPLIED BOTANY

Paper—BOT-C616

Time Allowed—Three Hours] [Maximum Marks—50

Note :—(1) Attempt **ALL** questions of Section A, each carrying 1 mark.

(2) Attempt **SEVEN** questions from Section B, each carrying 3 marks.

(3) Attempt **THREE** questions from Section C, each carrying 7 marks.

SECTION—A

1. What are masticatory materials ?
2. What do you mean by “Retting” ?
3. Give classification of Shisham.
4. Difference between spring and autumn wood.
5. What is scutellum ?
6. What are vaneers ?
7. What are functional foods ?
8. Define Amber.

SECTION—B

1. What is difference between oil, fats and waxes ?
2. Define spice. Give a brief account of any two important spices of India with its classification.

3. Briefly outline classification of Fibres with examples.
4. What are essential oils ? Give classification of any two essential oil yielding plants.
5. Write a brief note on following commercial woods :
 - (a) *Tectona grandis*
 - (b) *Shorea robusta*.
6. Write a short note on by products of sugar industry and distillation of alcohol.
7. Write down the extraction method of raw resin.
8. What are food adjuncts ? Explain with examples.
9. Give a brief account of nature of major and minor cereals.
10. Write down economic importance of any three industrial plant products.

SECTION—C

1. Discuss the chemical process of rubber for manufacturing of finished rubber.
2. Bamboo—"The green gold" of India. Justify this statement.
3. Write down physical characteristics of Indian woods and methods of seasoning and chemical treatment.
4. What are natural dyes ? Write down their extraction methods, merits and demerits of plant based dyes.
5. Give a line diagram of extraction process of sugar and also mention problems faced by sugar industry.