

Exam. Code : 210003

Subject Code : 5400

M.Sc. (Botany) 3rd Semester

APPLIED BOTANY

Paper—BOT-C-616

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. Give the botanical description of wheat.
2. What do you understand by recycling of paper ?
3. Name two bio-fuel producing plants.
4. What is seasoning of wood ?
5. Give to examples of kharif and rabi crops each.
6. Give botanical name of teak.
7. What are bast fibres ?
8. What do you mean by new world cotton ?

SECTION—B

1. Write down the scientific name of bajra and enlist some of its uses.
2. Write a brief note on some Indian pulses.
3. Discuss the method of cultivation of turmeric.
4. What are the hazards of consuming caffeine ?
5. What are the uses of condiments ?
6. Describe in detail the method of harvesting of jute fibres.
7. Mention some uses of *Shorea robusta* (Sal wood).
8. Write a short note on fire proofing of wood.
9. What are the merits and limitations of plant based dyes ?
10. Classify gums and resins on the basis of their chemical nature.

SECTION—C

1. What are the physical and chemical processes involved in the manufacturing of fibres from fibre yielding plants ?
2. Describe the manufacturing of paper and board from raw plant material.
3. Explain in detail the methods involved for the preparation of coffee from coffee beans.
4. Discuss the botanical description and cultivation of sugarcane.
5. Write in detail the extraction methods of essential oils.