B 186B3 Total Pages: **3**

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SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

SEVENTH SEMESTER B. TECH DEGREE EXAMINATION (S), FEBRUARY 2024 FOOD TECHNOLOGY (2020 SCHEME)

Course Code: 20FTT441

Course Name: Spices and Plantation Crops Technology

Max. Marks: 100 Duration: 3 Hours

PART A

(Answer all questions. Each question carries 3 marks)

- 1. What are the different types of tea?
- 2. What is the FSSAI specification for coffee powder?
- 3. Give an account of chemical constituents of cocoa beans.
- 4. Mention any three value added products from coconut.
- 5. What are the characteristics of carrier agent used for flavor encapsulation with example?
- 6. Define seasonings and mention its industrial applications.
- 7. Differentiate essential oil and oleoresins with example.
- 8. List out the volatile compounds present in vanilla.
- 9. Name any one international agency responsible for quality control of spices and its role.
- 10. Explain the quality specification of any one essential oil.

PART B

(Answer one full question from each module, each question carries 14 marks)

MODULE I

- 11. a) Explain the wet processing of coffee with a neat flowsheet. (7)
 - b) Enumerate the physiochemical changes occurring during the (7) process of roasting of coffee.

OR

- 12. a) Discuss the role of fermentation in tea processing. (7)
 - b) How is instant tea manufactured? (7)

MODULE II

- 13. a) How is cocoa butter and cocoa powder manufactured? (6)
 - b) Explain the processing of any four value added products from (8) cashew nut?
