D 478B3 Total Pages: **2**

Register No.:	 Name:	

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

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

Course Code: 20FTT307

Course Name: Cereal and Legume Technology

Max. Marks: 100 Duration: 3 Hours

PART A

(Answer all questions. Each question carries 3 marks)

- 1. Explain Composition of rice.
- 2. Describe cleaning equipment and separators used in rice milling process.
- 3. Comment on Conditioning in wheat milling.
- 4. How malt is prepared?
- 5. Explain wet milling of corn.
- 6. Describe oat processing.
- 7. Comment on cover and plinth storage.
- 8. Explain anti nutritional factors present in major pulses and methods to remove these factors.
- 9. How High fructose corn syrup (HFCS) is prepared?
- 10. List out pre-milling techniques of pulses.

PART B

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

MODULE I

- 11. a) Explain different equipment used in rice milling process. (7)
 - b) Describe stages of parboiling with neat flow chart and its effect on rice. (7)

OR

- 12. a) Explain structure and nutrient composition of rice with a neat diagram. (7)
 - b) Elucidate the extraction methods of rice bran oil and its utilization. (7)

MODULE II

- 13. a) Explain different varieties of wheat. (4)
 - b) Explain flour milling process of wheat with neat block diagram and recent developments in flour milling. (10)

OR
