Total No. of printed pages = 6

END SEMESTER EXAMINATION-2019

Semester - 5th

Subject Code: FPT-503

FOOD PRODUCT TECHNOLOGY-I

Full Marks - 70

Time - Three hours

The figures in the margin indicate full marks for the questions.

Instructions:

- 1. Questions on PART-A are compulsory.
- 2. Answer any five questions from PART-B.

PART - A

Marks - 25

1. Fill in the blanks:

1×10=10

- (a) The starch content in white rice is about _____%.
- (b) The fat content in brown rice is about ______%.

[Turn over

89/FPT-503/FPT-I (2)	There is no conting.	(i) The drying curve has 3 number of stages.(ii) Margarine is a substitute of butter.	2. Write true or false:	eeling uses high pressure	(i) The full form of CAP is	(h) Cold storage of fruits and vegetables use a temperature of about degree Fahrenheit.	(g) The period of in Malting continues for around 5 days.	(f) Parching and puffing are two types of processing.	(e) The three stages of parboiling are soaking, and drying.	(d) The steel screen wire mesh present in a cone polisher is called	(c) The slower rotating roll in a rubber roll dehusker should have a surface speed of around m/s.	
89/FPT-503/FPT-I (3) [Turn over	(b) to reduce bacterial count(c) to extend shelf life(d) All of the above	5 5		FECHN	(i) The velocity of air used in tunnel du	(x) The HTST pasteurization uses temperature of 72°C for 15 seconds. Choose the correct answers: 1×5=5	(ix) Decortication is the removal of outer coating / layer of seeds / pulses.	(viii) The usual temperature of blanching is between 100 to 110.	(vii) Aspiration cleaning uses aerodynamic properties of materials.	(vi) Soaking of pulses grain leads to loss of water soluble nutrients.	(iv) FPO was established in 1960.(v) Using Brine solution for foods is an example of direct freezing.	



9.	(a) Explain the process of malting. 472							
	(b) Describe any four types of peeling in foods. 4½							
10.	(a) Describe what are the changes that take place in the biochemical properties of paddy/rice as a result of parboiling. 4½							
	(b) Describe the various types of spoilage in canned foods. 4½							
11.	Describe the complete process of rice milling. 9							
12.	Describe the dry or wet milling of pulses processing.							
13.	Describe the process of wheat milling. 9							
14.	Write any nine examples of utilization of wastes produced in food industries.							
15.	Describe the effects of thermal treatment on the quality of fruits and vegetable products.							