END SEMESTER EXAMINATION, NOVEMBER-2018

Semester: 5th

Subject Code: FPT-503

FOOD PRODUCT TECHNOLOGY-I

Full Marks - 70

Time-Three hours

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

Instructions:

- All questions of PART A are compulsory
- Answer any five questions from PART-B.

PART - A Marks - 25

in the blanks:

1×10=10

- (a) The moisture content in white rice is about
- 9 The speed of faster rotating roll in a paddy dehusker is m/s.

[Turn over

	(0)	(b)			2. W	9	Θ	(h)	(9)	(f)		(e)	(d)		(0)
	Blanching is not a type of thermal treatment.	Quick freezing employs temperature between -5 to -10° C.	suspended in the air is known as Fluidized bed drying.	The kind of drying where solid	Write true or false: 1×10=10	Typically there are number of stages in the drying curve of foods.	The temperature used in Parching and Puffing is	The substrate for fermentation to take place in foods is	The product loss in flame peeling is about %.	The full form of FPO is	%.	During	The protein content in wheat is about	runs for about hours.	The soaking step in traditional parboiling step
TOTE OF STATE OF STAT	(iii) Indirect freezing (iv) Air freezing		(b) Immersion in a refrigerant is a type of	(iii) 2.5 - 6 m/siv (iv) 2 - 6 m/s	(i) 2.8-4 m/s (ii) 2.6-5 m/s	air us	3. Choose the correct answer: 1×5=	(j) Viscosity of foods is effected by therma	(i) Pasteurization leads to inactivation of er zymes.		(h) Carborundum rollers are used in abrasio	(g) CAP is costlier than MAP.	(f) Malt are germinated oat grains.	(e) FSSAI was enacted in the year 2008.	(d) Canning is a form of sterilization process

1×5=5

79/FPT-503/FPT-I

Turn over

79/FPT-503/FPT-I (e) The step which is not a part of malting is (c) Lyophilization is a type of What kind of spoilage in canned foods occur (iv) Steeping (ii) Germination (i) Drying (iii) Blanching (iv) Flat sour (ii) Metallic salts (i) Toxic spoilage (iii) Hydrogen swells mainly in acidic foods? (iv) Fluidized bed drying (iii) Vacuum drying (ii) Spray drying (i) Freeze drying 4 110(B) 79/FPT-503/FPT-I 0 (a) Explain the CFTRI process of parboiling. (b) Write a note on FPO (a) Explain any two methods of cooling 0 (a) Explain Hydrogenated Fats and Shortening. (b) Explain any two methods of Drying of foods. Explain any three methods of processing of Explain the different Explain any two types of spoilage in canned Explain any two methods of peeling of fruits niques for agricultural produce. pulses. and vegetables. techniques of foods toods. Marks - 45 PART-B types of freezing

tech-

[Turn over

w

	7. (a)
and vegetables.	Explain any
es.	two types o
	of cleaning
	for
3	fruits

- 3 Write a short note on CAP and MAP.
- 0 Explain canning in foods

w

- (a) Explain the major points in the Drying Curve with diagram.
- 9 Explain blanching and its types. 41/2
- (a) Describe the steps of malting.
- Explain how temperature and humidity effect the storage of fresh fruits and vegetables
- 10. Explain the effects quality of food products. of thermal treatment on the
- Write down any ten utilization of wastes.
- 12. Explain the complete process of Rice Milling.