

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)**

**CLASS: I.MSc.
BRANCH: FOOD TECHNOLOGY**

**SEMESTER: IV
SESSION : SP/2020**

SUBJECT: FT211 FRUITS AND VEGETABLE PROCESSING TECHNOLOGY

TIME: 2 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 25.
 2. Candidates may attempt for all 25 marks.
 3. Before attempting the question paper, be sure that you have got the correct question paper.
 4. The missing data, if any, may be assumed suitably.
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Q1	(a)	Describe the Brassicas and solanaceous vegetable crops with examples.	[2]	1	1&2
Q1	(b)	Distinguish between fruits and vegetables.	[3]	2	4
Q2	(a)	How we can reduce the post harvest losses in fruits and vegetables?	[2]	3	1
Q2	(b)	What do you mean by Simple fruits, Aggregate fruits and Multiple fruits? Explain with suitable examples.	[3]	3	1&5
Q3	(a)	Provide a list of post harvest losses of fruits and vegetables.	[2]	4	1&3
Q3	(b)	Differentiate between chemical and physical changes occur during ripening of fruits.	[3]	3	4
Q4	(a)	Justify, that the fruits and vegetables are living product.	[2]	3	5
Q4	(b)	Draw a self explanatory diagram of plant cell.	[3]	2	3
Q5	(a)	What do you mean by 'Processing' and 'Preservation'?	[2]	1	1
Q5	(b)	Distinguish between freezing, chilling and refrigeration.	[3]	3	4

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