

P. Pages : 2

Time : Three Hours

**AW - 3396**

Max. Marks : 80

- Notes :
1. Answer **all** question from Section A and **all** question from Section B.
 2. Diagrams and chemical equations should be given wherever necessary.
 3. Illustrate your answer necessary with the help of neat sketches.

SECTION – A

1. a) Explain with flow diagram aseptic processing of mango pulp. 9
- b) Enlist the ingredients of Jam making. Give importance of each ingredient. 5

OR

2. a) Describe with flow diagram canning of tomato puree. 8
- b) Describe in brief Jelly manufacture. 6
3. a) Explain with flow diagram manufacture of drinking yoghurt. 8
- b) Give the classification of cheese. 5

OR

4. a) What is pasteurization of milk? Discuss process technology of pasteurized milk. 8
- b) Give the composition of milk in the form of chart. 5
5. a) Explain slaughtering stages of animal meat. 8
- b) Give the composition of eggs. 5

OR

6. a) Describe various methods of meat preservation. 8
- b) Give flow diagram of eggs processing into various products. 5

SECTION – B

7. a) Give the functions of Food packaging. 5
- b) Describe in brief various biopolymers used in food packaging. 6
- c) Give the composition of retort packaging. 3

OR

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| 8. | a) | Discuss different forms of packaging materials. | 9 |
| | b) | Write a note on CAS. | 5 |
| 9. | a) | Give the classification of beverages. | 5 |
| | b) | Draw flow diagram of mango juice processing. | 5 |
| | c) | Draw process flow diagram of orange squash. | 3 |

OR

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|-----|----|---|---|
| 10. | a) | Describe process technology for manufacture of orange juice. | 8 |
| | b) | Give FSSAI specifications of orange squash & juice. | 5 |
| 11. | a) | What are food additives? Give classification. Explain food preservatives. | 8 |
| | b) | Give the applications of sensory evaluation. | 5 |

OR

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| 12. | a) | Write notes on following. | |
| | i) | HACCP. | 5 |
| | ii) | BIS. | 4 |
| | iii) | Agmark. | 4 |
