



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 180611

Roll No.

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B. Tech.

(SEM. VI) THEORY EXAMINATION, 2014-15
EPBM & FOOD QUALITY

Time : 2 Hours]

[Total Marks : 50

Note:The question paper is divided into three sections. Attempt each section.

SECTION-A

- 1 Attempt each short answer type question: (5×2=10)
- (a) Write short note on rheological properties.
 - (b) What do you mean by important physical properties of biological materials?
 - (c) What is consistency and viscosity of food materials?
 - (d) What is ISO 9000 series?
 - (e) What is strain time effects?

SECTION-B

- 2 Attempt any three questions: (5×3=15)
- (a) In about 150 words write food laws & Regulations in India?
 - (b) What is the need and objectives of quality control? Explain in detail.

- (c) What engineering properties are required for the storage structures?
- (d) Define: specific heat, thermal conductivity, thermal diffusivity and sphericity.
- (e) Write short notes on: BIS, AGMARK and CAC?

SECTION-C

3 Attempt all parts of the following: (5×5=25)

- (a) Discuss role of hazard analysis critical control point (HACCP) procedure to achieve total quality management (TQM) in producing mango pulp for export.

OR

- (a) Write FPO requirement for installation of a small scale fruit processing industry in Uttar Pradesh.
- (b) Write a comprehensive note on " Food Adulteration Act".

OR

- (b) Write the WTO agreement and discuss GMP steps for quality control of mango beverages.
- (c) Explain the sampling procedures for liquid and powdered material for quality control.

OR

- (c) Describe the sensory quality control and panel selection method.

- (d) What do you understand by aerodynamic characteristics and frictional properties?

OR

- (d) What are the applications of engineering properties in handling processing machine?
- (e) How the interpretation of sensory results in quality control is achieved?

OR

- (e) Why sanitary and phyto sanitary measures are required for processing of food products?
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