

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

**CLASS: B Tech.  
BRANCH: Food Engineering and Technology**

**SEMESTER: V  
SESSION: MO/2025**

**SUBJECT: FE303 FOOD QUALITY CONTROL, LAWS, STANDARD AND REGULATION**

**TIME: 02 Hours**

**FULL MARKS: 25**

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
  2. Attempt all questions.
  3. The missing data, if any, may be assumed suitably.
  4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
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	Marks	CO	BL
Q.1(a) Describe the classification of the components of food quality.	[2]	1	1
Q.1(b) Describe the classification of quality attributes and write about the hidden characteristics of food quality.	[3]	1	1
Q.2(a) Elaborate on how individual, social, and environmental factors influence food choices and quality.	[2]	1	2
Q.2(b) Explain the characteristics that make a food attractive and appealing.	[3]	1	2
Q.3(a) Describe the term 'Roundness' and how it can be calculated.	[2]	1	2
Q.3(b) Explain how genetic defects of plants have effects on Food quality.	[3]	2	2
Q.4(a) Write about the Entomological food defects.	[2]	1	1
Q.4(b) Describe the terms 'Transmission genetics' and 'Molecular genetics'.	[3]	2	2
Q.5(a) Write about the infectious and non-infectious plant diseases.	[2]	2	1
Q.5(b) Explain the role of sensory evaluation in the quality assessment of food.	[3]	3	2

:::18/09/2025:::M