

KERALA AGRICULTURAL UNIVERSITY

B.Tech (Food .Engg) 2011 Admission

Vth Semester Final Examination-December /January 2013

Cat. No: Fdsc.3104

Title: Food safety and Quality Management (1+1)

Marks: 80

Time: 3hours

I Answer all questions

(10 x 1=10)

1. What is a hazard
2. Codex Alimentarius Commission was established by _____ & _____
3. In India ,the food safety bill passed in the year _____
4. HACCP stands for _____
5. The ISO standard deals with Food safety management system is _____
6. PDCA cycle is known as _____ wheel
7. Aflatoxin is an example for _____ hazard
8. SSOP stands for _____
9. _____ is used to check the presence of metal particles in food process line
10. _____ is a proteinaceous biological hazard which lacks nucleic acid

II Write short note on any TEN questions

(10 x 3=30)

1. FSSAI.
2. Explain the difference between CP and CCP
3. Explain PDCA improvement cycle
4. Ethics in food safety
5. Safety and quality of organic foods
6. How ISO 22000 is different from ISO 9000
7. Control mechanism for physical hazards
8. Distinguish between TQM and TQC.
9. Codex Alimentarius commission.
10. Chemical hazards
11. Objectives of ISO
12. Explain the types of contamination

III Answer any SIX questions

(6 x5=30)

1. Briefly explain Good Manufacturing Practices in food industries
2. Explain the principle and components of risk analysis
3. Briefly explain the significance of safety and quality in Indian food industry
4. Explain various handling measures to maintain the quality of fruits and vegetables
5. Explain the strategies to enhance the export potential from our country
6. Briefly explain the various classification of biological hazards and their possible mechanism for control
7. Briefly explain the principle and structure of ISO
8. What are the factors affecting food quality

IV Answer any ONE question

(10 x 1=10)

1. Write the concept of quality assurance systems and food safety in detail
2. Explain in detail about the traceability in food supply chains, relationship between quality systems and traceability in food chains
