

KATHMANDU UNIVERSITY
End Semester Examination [C]
May/June, 2019

Marks Scored: _____

Level : B. Tech.
Year : IV

Course : BIOT 403
Semester: I

Exam Roll No. :

Time: 30 mins.

F. M. : 20

Registration No.:

Date 04 JUN 2019

SECTION "A"

[20 Q. × 0.75 = 15 marks]

Choose and encircle the most appropriate answer among the given choices.

1. In Japan, QCC members consist of members in the range of
a. 5-10 b. 10-15 c. 15-20 d. 20-25
2. Which of the following ISO Standard is applicable for performance improvement?
a. ISO 9000 b. ISO 9001 c. ISO 9004 d. ISO 22000
3. Risk characterization is a part of
a. Risk assessment b. Hazard characterization
c. Exposure assessment d. Risk communication
4. SPS Enquiry point in Nepal is
a. NBSM b. MOAL c. DFTQC d. DOI
5. The effective way of controlling growth of bacteria in food processing plant achieved by managing
a. time and temperature b. pH and oxygen conditions
c. temperature and water activity d. time and food availability
6. The highest score in "Malcolm Baldrige Quality Award criteria" is given to
a. Human resource utilization b. Quality results
c. Leadership d. Customer satisfaction
7. Which of the following bacteria produce toxin which can eventually lead to death?
a. *Campylobacter jejuni* b. *Staphylococcus aureus*
c. *Clostridium botulinum* d. *Listeria monocytogens*
8. The analysis of non-conformities with varying sample size (non-conformance per unit) is given by
a. p chart b. np chart c. chart d. u chart
9. The effective detergent in controlling spore-forming bacteria in milk is
a. Iodophore b. Quarternary compounds
c. Hot water d. Chlorine compounds
10. Which one is not the intrinsic factor for the microbial growth?
a. Water activity b. Redox potential c. Nutrients d. Relative humidity

11. Exposure assessment of chemical hazard is a part of
 - a. Risk Assessment
 - b. Risk Management
 - c. Risk Characterization
 - d. Hazard Characterization
12. Surveillance audit is done
 - a. Before certification
 - b. After three months of certification
 - c. One in six months
 - d. Once in six months till the certification period is over
13. The correlation between cause and effect is shown by
 - a. Control chart
 - b. Pareto diagram
 - c. Scatter diagram
 - d. Flow chart
14. Standards related to plant health and diseases are harmonized as per
 - a. CODEX
 - b. IPPC
 - c. Nepal Standard
 - d. OIE
15. Which one of the following ISO standards include HACCP?
 - a. ISO 9001
 - b. ISO 9004
 - c. ISO 14001
 - d. ISO 22000
16. Continuous improvement is embodied in
 - a. Inspection
 - b. Risk assessment
 - c. Quality Assurance
 - d. Total Quality Management
17. The audit is conducted on activities of the organization with documented procedure as per
 - a. Quality audit
 - b. Product audit
 - c. Process audit
 - d. System audit
18. Prerequisite program in HACCP implementation requires
 - a. Standard
 - b. Accreditation
 - c. Good practices
 - d. Quality control
19. Pyrethroid contamination in vegetables is a
 - a. Physical hazard
 - b. Chemical hazard
 - c. Biological hazard
 - d. No hazard
20. OIE is an international organization for dealing with
 - a. Plant and plant products
 - b. Food products
 - c. Animal and animal products
 - d. None of the mentioned

SECTION "B"

[10 Q. × 0.5 = 5 marks]

Fill in the blank space(s) with suitable word(s) or value(s) or symbol(s).

21. Toxicological endpoints are measured by _____.
22. CCP is different from CP because of _____.

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23. The waste water from processing industries should be _____ before releasing it to the drainage system.
24. The ceilings of a wet processing plant should be _____.
25. Coliform test is an indicator of _____.
26. Japanese companies have a training period of about _____ per person per year.
27. The main feature of ISO 9001:2015 is based on _____.
28. The unit of 10,000 ppt of organophosphate is denoted by _____.
29. In the biotech plant, the distribution of variation in the output of Vitamin B12 is preferably represented by _____.
30. The recognition of analytical report worldwide can be achieved by _____.



