

Name.....

Reg. No.....

(2014 Admissions)

Maximum : 80 Marks

Answer all questions.

Multiple Choice :

1. Name the micro-organism associated with canned foods spoilage :
(a) *Salmonella* sp. (b) *Bacillus subtilis*.
(c) *Clostridium botulinum*. (d) *Pseudomonas aeruginosa*.
2. Cheese is the fermented product of :
(a) Cow Milk. (b) Camel milk.
(c) Horse milk. (d) Soybean.
3. The preservative used in pickles is :
(a) Sodium chloride. (b) Chillies.
(c) Pepper. (d) Caustic soda.
4. Name the method used to isolate micro-organisms from fruit juices :
(a) Serial dilution method. (b) Streak plate method.
(c) Stab culture method. (d) Single hyphal tip method.

Name the following :

5. Name the media suitable for growing a particular micro-organism.
6. What are viruses?
7. Name one fungus producing toxin.
8. What is a_w ?

Fill in the blanks :

9. _____ is the yeast mainly used in baking industries for bread production.
10. _____ bacteria are producing red colour in meat due to microbial spoilage.

(10 × 1 = 10 marks)

Turn over

Answer any five questions.

11. What is enrichment culture?
12. Define Coliforms.
13. Differentiate the exo and endotoxins.
14. What is kefir?
15. Define the mother culture.
16. Differentiate fungi and bacteria.
17. What is stab culture?

(5 × 2 = 10 marks)

Answer any six questions.

18. Explain the meat spoilage caused by bacteria.
19. What is preservation of food by low temperature?
20. Write short notes on Sauerkraut fermentation.
21. Explain the methylene blue reduction test for milk in detail.
22. Differentiate the selective and differential media.
23. How filters are useful in food preservation?
24. Give an account of alkali usage in food preservation.
25. What is food poisoning?

(6 × 5 = 30 marks)

Answer any two questions.

26. Explain the different sources of food contamination in detail.
27. What are the physical agents used for food preservation? Explain in detail.
28. Give an account of types of microbial spoilage of canned foods.
29. What are fermented dairy food products? Explain any two of them.

(2 × 15 = 30 marks)