Admission Test MS Food Technology

Name: _____

Reference ID: _____

Marks Obtain: _____

1. Pre-cooling of fruit and vegetables is done at a temperature:
    a. 5-10 °C
    b. 10-12 °C
    c. 15-17 °C
    d. 15-20 °C

2. What is the form of membrane lipids in fruits and vegetables that are resistant to chilling:
    a. Semifluid
    b. Fluid
    c. Rigid
    d. Solid

3. ——————— is the example of filter aid
    a. Diatomaceous earth
    b. Hexane
    c. Lead
    d. Ferrous sulphate

4. When meat is passed through a coarse grinder plate it is called?
    a. Chunking
    b. Flaking
    c. Restructured meat product

    d. Restructured meat product and Chunking

5. Out of these, which bacteria is found in processed/cured meat

    a. Moraxella

    b. Pseudomonas

    c. Alcaligenes

    d. Lactobacillus

6. Purplish red colour of meat is due to

    a. Myoglobin (Fe^{2+})

    b. Nitric oxide myoglobin (Fe^{2+})

    c. Metmyoglobin (Fe^{3+})

    d. Oxymyoglobin (Fe^{2+})

7. When it is consumed, soluble dietary fibre is hydrolysed by enzymes_____

    a. In the mouth

    b. In the stomach

    c. Produced by intestines

    d. Produced by bacteria in the colon

8. The glycosaminoglycan that serves as an anticoagulant

    a. Heparin

    b. Hyaluronic acid

    c. Chondroitin sulphate

    d. Dermatan sulphate.

9. The following polysaccharide is composed of Beta-glycosidic bonds

    a. Starch

    b. Glycogen

    c. Dextrin

    d. Cellulose

10. Which one of the following materials is not a polysaccharide?

    a. Cellulose

    b. Hemicelluloses

    c. Pectin

d. Lignin

11. Greater the number of carbon atoms in chain of fatty acid………….
    a. The boiling point will be higher
    b. The boiling point will be lesser
    c. The melting point will be higher
    d. The melting pint will be lower

12. _____ process produces a can with higher height to diameter ratio and with same thickness
    a. DRD
    b. DWI
    c. SD
    d. DI

13. Which of the following package is biodegradable?
    a. Glass container
    b. Tin-can
    c. Paper and paper bag
    d. PET bottle

14. What is the primary purpose of aging meat?
    a. Extend shelf life
    b. Allow growth of beneficial bacteria
    c. Improve colour
    d. Develop tenderness and flavour

15. For a person who had received medical advice to cut down animal fats, which of the following protein foods would you recommend?
    a. Pork
    b. Salmon
    c. Chicken
    d. Minced beef

16. Vegetable ghee is manufactured by _____
    a. Saponification

b. Hydrogenation

c. Oxidation polymerisation

d. Reduction polymerisation

17. Fat substitutes are one option for cutting the fat calories in foods. What are fat substitutes made of?

a. Carbohydrates

b. Proteins

c. Fats

d. All of the above

18. Monounsaturated fats may help lower your blood cholesterol levels. Which of these is a monounsaturated fat?

a. Safflower oil

b. Soybean oil

c. Walnut oil

d. Canola oil

19. If you have a normal cholesterol level, what portion of your total daily calories can come from saturated fat?

a. 2% to 5% or less

b. 15% to 20% or less

c. 5% to 6%

d. 25% to 30% or less

20. Trans-fatty acids are another type of saturated fat that can raise cholesterol levels. Which of these is a source of trans fat?

a. Beef

b. Butter

c. Cookies

d. All of the above

21. The specific gravity of milk fat at 21°C is?

a) 0.70

b) 0.82

c) 0.93
d) 0.98

22. The process to increase in volume caused by whipping air into the ice cream mix during freezing is called?

    a) Homogenization
    b) Aging
    c) Overrun
    d) Hardening

23. He says I shall be here?

    a. He say shall be them

    b. He says that he will be there

    c. He says he shall be there

    d. None of above

24. "Who painted it"?

    a. By whom it was painted

    b. By whom was it painted by

    c. It had painted by whom

    d. None of above

25. The most opposite word of Amalgamate?

    a. Generate

    b. Repair

    c. Materialize

    d. Separate

26. Write down _____ your class and section.

    a. Not only

    b. Neither

    c. Either

    d. Both

27. Synonym of "exemplify"?

    a. Illustrate

b. Over

c. Answer

d. Summary

28. Idiom "To cut long story short" means?

    a. Tell the story briefly

    b. Come to the point

    c. Miss the main points

    d. None of above

29. Antonym of EFFICACY?

    a. Strange

    b. Well-known

    c. Inefficiency

    d. Effectiveness

30. I am not concerned _____ his affairs. ?

    a. To

    b. At

    c. With

    d. On

31. Antonym of expand is

    a. Convert

    b. Conclude

    c. Congest

    d. Condense

32. Antonym of Artificial is

    a. Red

    b. Truthful

    c. Natural

    d. Solid

33. I hardly _____ meet him.

    a. Ever

b. Never

c. Had ever

d. Had never

34. Synonym of "POPULOUS" is _____?

   a. Uninhibited

   b. Latent

   c. Reserved

   d. Heaving

35. Sana filled the glass _____ water.

   a. with

   b. of

   c. from

   d. by

36. Synonym of "prevalent" is _____.

   a. wind

   b. servile

   c. widespread

   d. rare

37. If the average marks of three batches of 55, 60 and 45 students respectively is 50, 55, 60, then the average marks of all the students is_____?

   a. 53.33

   b. 54.68

   c. 55

   d. None of these

38. The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class.

   a. 47.55 kg

   b. 48 kg

   c. 48.55 kg

   d. 49.25 kg

39. The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is_____?

    a. 17 kg
    b. 20 kg
    c. 26 kg
    d. 31 kg

40. The average of 18 observations was calculated and it was 124. Later on it was discovered that two observations 46 and 82 were incorrect. The correct values are 64 and 28. The correct average of 18 observations is_____?

    a. 123
    b. 137
    c. 121
    d. 122

41. A person travels from x to y at a speed of 40Km/h and returns by increasing his speed 50%. What is his average speed for both the trips?

    a. 36km/h
    b. 45km/h
    c. 48km/h
    d. 50km/h

42. The mean marks of 30 students in a class is 58.5. Later on it was found that 75 was wrongly recorded as 57. Find the correct them.

    a. 57.4
    b. 57.5
    c. 58.9
    d. 59.1

43. 10 men can construct a building in 40 days. How long will it take 20 men to do this work?

    a. 20 days
    b. 30 days

c. 40 days

d. 50 days

44. The fourth proportional to 5, 10, 25 is:

    a. 50

    b. 24

    c. 60

    d. 20

45. Which of the following triangles have the same side lengths?

    a. Scalene

    b. Isosceles

    c. Equilateral

    d. None of these

46. All counting numbers, together with their negatives and zeros constitute the set of:

    a. Whole number

    b. Real number

    c. Integers

    d. Odd number

<u>The supervisor of a commuter airline is scheduling pilots to fly the round-trip from City X to City Y.</u>

The supervisor of a commuter airline is scheduling pilots to fly the round-trip from City X to City Y. The trip takes only two hours, and the airline has one round-trip flight in the morning and one round-trip flight in the afternoon, each day, Monday through Friday. Pilots must be scheduled in accordance with the following rules:

Only W, X, and Y can fly the morning flight.
Only V, X, and Z can fly the afternoon flight.
No pilot may fly twice on the same day.
No pilot may fly on two consecutive days.
X must fly the Wednesday morning flight.
Z must fly the Tuesday afternoon flight.

47. Which of the following must be true?

    a) W flies the Monday morning flight
    b) X flies the Monday afternoon flight

c) Y flies the Tuesday morning flight
d) W flies the Thursday morning flight
e) Z flies the Thursday afternoon flight

48. If X flies on Friday morning, which of the following must be true?

a) X does not fly on Monday afternoon
b) V flies on Friday afternoon
c) W flies Thursday morning
d) Y flies Thursday morning
e) Neither W nor Y flies Thursday morning

49. If X flie's only one morning flight during the week, which of the following must be true?

a) W flies exactly two days during the week
b) X flies exactly three days during the week
c) Y flies only one day during the week
d) Z flies Monday afternoon and Friday afternoon
e) X flies more times during the week than V

50. If W is not scheduled to fly at all during the week, all of the following must be true EXCEPT

a) X flies on Monday morning
b) V flies on Monday afternoon
c) Y flies on Thursday morning
d) Z flies on Friday afternoon
e) X flies on Friday morning