



Date: \_\_\_\_\_

## Admission Test (SAMPLE)

### MS Advanced Food Systems

**Name:** \_\_\_\_\_

**Reference ID:** \_\_\_\_\_

**Total Marks: 100**

**Marks Obtained:** \_\_\_\_\_

#### Instructions

- Read each question carefully and choose the most appropriate option.
- Encircle the correct option (a, b, c, or d) on the answer sheet clearly
- Each question carries equal marks. No negative marking
- Do not use correction fluid on the answer sheet
- Use a blue or black ballpoint pen only
- Unanswered questions will receive zero marks
- Mobile phones are strictly prohibited inside the examination hall.
- Ensure your phone is switched off and kept outside before the test begins

1. A food system mainly refers to:
  - A. Only food production on farms
  - B. Food processing industries only
  - C. All activities from food production to consumption and waste management
  - D. Food marketing only
  
2. Which component is the first stage of a food system?
  - A. Food retailing
  - B. Food production
  - C. Food consumption
  - D. Food waste management
  
3. The food supply chain includes:
  - A. Farmers only
  - B. Food retailers only
  - C. Consumers only
  - D. Producers, processors, distributors, retailers, and consumers
  
4. Which term refers to the movement of food from farm to fork?
  - A. Food policy
  - B. Food supply chain
  - C. Food security
  - D. Food safety
  
5. Food processing mainly aims to:
  - A. Increase food prices
  - B. Improve shelf life, safety, and convenience
  - C. Reduce food quality
  - D. Increase food waste
  
6. Which of the following is an example of primary food processing?

- A. Baking bread
- B. Milling wheat into flour
- C. Making ready-to-eat meals
- D. Packaging frozen pizza

7. Food distribution mainly involves:

- A. Cooking food
- B. Producing crops
- C. Transporting and storing food products
- D. Consuming food

8. Food retailing includes:

- A. Farms
- B. Supermarkets and grocery stores
- C. Food laboratories
- D. Waste treatment plants

9. Food consumption refers to:

- A. Food packaging
- B. Food storage
- C. Eating and utilization of food by individuals
- D. Food transport

10. Food waste is best defined as:

- A. Food that is overcooked
- B. Edible food discarded or lost along the food system
- C. Only spoiled food
- D. Food used for composting

11. What is the primary function of tempering in wheat milling?

- A. To enhance the flavour of wheat

B. To adjust the moisture content for optimal milling performance

C. To increase the protein content

D. To reduce microbial contamination

12. Which cereal grain is commonly used to produce semolina flour?

A. Oats

B. Barley

C. Durum Wheat

D. Corn

13. Which process involves heating grains in dry heat to develop flavor and reduce moisture content?

A. Extrusion

B. Malting

C. Toasting

D. Steeping

14. In the context of rice processing, what is the purpose of parboiling?

A. To increase the shelf life of rice

B. To improve the nutritional content by gelatinizing the starch and driving nutrients into the kernel

C. To enhance the flavour of rice

D. To reduce cooking time

15. Which cereal processing method involves cooking and flaking to produce ready-to-eat breakfast cereals?

A. Extrusion

B. Fermentation

C. Parboiling

D. Puffing

16. During the sugar extraction process from sugarcane, what is the purpose of the "clarification" step?

- A. To extract juice from the cane
- B. To remove impurities and non-sugar components
- C. To crystallize the sugar
- D. To reduce the moisture content

17. What is the main purpose of using "liming" in the sugar manufacturing process?

- A. To enhance the flavour of sugar
- B. To adjust the pH and aid in the removal of impurities
- C. To increase the colour of sugar
- D. To reduce the crystallization time

18. What is "molasses" in the context of sugar production?

- A. A by-product rich in sugar and nutrients obtained after the crystallization of sugar
- B. The primary product of sugarcane processing
- C. A type of refined sugar
- D. A waste product with no nutritional value

19. In sugar refining, what is the purpose of the crystallization process?

- A. To purify the sugar juice
- B. To form solid sugar crystals from the concentrated sugar solution
- C. To increase the sweetness of the sugar
- D. To enhance the colour of the sugar

20. Which technique is commonly used to separate sugar crystals from the mother liquor during sugar processing?

- A. Filtration
- B. Centrifugation
- C. Distillation
- D. Fermentation

21. If a car travels 150 miles on 5 gallons of fuel, how many miles can it travel on 8 gallons of fuel, assuming the fuel efficiency remains constant?

- A. 240
- B. 280
- C. 320
- D. 360

22. In a class of 30 students, 60% are girls. If 4 girls left the class, what percentage of the remaining students are girls?

- A. 50%
- B. 55%
- C. 60%
- D. 65%

23. A book is priced at Rs.50. During a sale, the book is offered at a 20% discount. If you have a coupon for an additional 10% off the sale price, what is the final price of the book?

- A. Rs. 36
- B. Rs. 32
- C. Rs. 40
- D. Rs. 46

24. If the area of a circle is 154 square units, what is the radius of the circle? (Use  $\pi \approx 3.14$ )

- A. 28 units
- B. 21 units
- C. 14 units
- D. 7 units

25. A recipe calls for  $\frac{3}{4}$  cup of sugar for every 2 cups of flour. If you are using 5 cups of flour, how much sugar is needed?

- A.  $\frac{1}{4}$  cups
- B.  $\frac{2}{3}$  cups

- C. cups
- D. 1/2 cups

27. Which sentence correctly uses the article "a" or "an"?

- A. She wants to be an engineer.
- B. She wants to be a engineer.
- C. She wants to be an umbrella.
- D. She wants to be a umbrella.

28. Identify the sentence with the correct subject-verb agreement:

- A. The team are winning the game.
- B. The team is winning the game.
- C. The team wins the game.
- D. The teams are winning the game.

29. Choose the correct form of the verb to complete the sentence: "By next week, she \_\_\_ the project."

- A. Will complete
- B. Completed
- C. Completes
- D. Has completed

30. Select the sentence that correctly uses the conjunction:

- A. I want to go to the party, but I'm not feeling well.
- B. I want to go to the party but I'm not feeling well.
- C. I want to go to the party but, I'm not feeling well.
- D. I want to go to the party; but I'm not feeling well.

31. Identify the correct use of the comparative adjective: "This test is \_\_\_ than the previous one."

- A. Easier
- B. More easy



- C. Easiest
- D. More easier