

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