



GOVERNMENT OF SAMOA

STUDENT EDUCATION NUMBER

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Samoa Secondary Leaving Certificate

FOOD and TEXTILES TECHNOLOGY 2024

QUESTION and ANSWER BOOKLET

Time allowed: 3 Hours & 10 minutes

INSTRUCTIONS

1. You have 10 minutes to read **before** you start the exam.
2. Write your **Student Education Number (SEN)** in the space provided on the top right-hand corner of this page.
3. **Answer ALL QUESTIONS.** Write your answers in the spaces provided in this booklet.
4. If you need more paper to write your answers, ask the Supervisor for extra paper. Write your SEN on all extra sheets used and clearly number the questions. Attach the extra sheets to the appropriate places in this booklet.

STRANDS		Page	Time (min)	Weighting
STRAND 1	DESIGN PROCESS	2-3	18	10
STRAND 2	FOOD AND NUTRITION	4-9	54	30
STRAND 3	CARING FOR THE FAMILY	10-13	36	20
STRAND 4	CONSUMER RESPONSIBILITIES	14-17	36	20
STRAND 5	DESIGN AND TEXTILES	18-21	36	20
TOTAL			180	100

Check that this booklet contains pages 2 - 22 in the correct order and that none of these pages are blank.

HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

For Question 1, choose and write the LETTER of the correct answer in the box provided.

1. Which of the following tools would be helpful for someone who wants to stay organized?

- A. A large, blank notepad with no structure.
B. A random assortment of colorful sticky notes.
C. A digital calendar app with reminder notifications.
D. A collection of inspirational quotes about productivity.

SL 1

2. Explain how a design brief helps guide decision-making during the design process.

SL 3

3. You have concerns about the efficiency of a new workflow implemented at your workplace.

List **TWO** ways in which you can communicate effectively with your manager about concerns relating to the workflow.

SL 2

4. The image provided shows a thermal travel mug. You are a product designer tasked with creating a new and improved version.



Source: <https://www.bing.com>

Discuss how the current design of the travel mug might impact consumer satisfaction. Use examples to support your answer.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

SL 4

For Questions 5 to 10, choose and write the LETTER of the correct answer in the box provided.

5. The primary function of commercial food preservation is to:

- A. reduce the cost of food production.
- B. enhance the flavor of food products.
- C. extend the shelf life and safety of food.
- D. create a more visually appealing product.

SL 1

6. The primary purpose of hygiene and safety regulations in the food industry is to:

- A. reduce the cost of food production for businesses.
- B. improve the taste and presentation of food products.
- C. ensure the cleanliness and visual appeal of food establishments.
- D. minimize the risk of foodborne illnesses and promote food safety.

SL 1

7. Minerals are essential for our body because they primarily help to:

- A. build and repair tissues and organs.
- B. provide energy for the body's activities.
- C. aid in the absorption of certain vitamins.
- D. regulate fluids, blood pressure and nerve function.

SL 1

8. When planning a budget-friendly meal, it is important to consider:

- A. using an expensive recipe.
- B. utilizing seasonal vegetables.
- C. choosing expensive cuts of meat.
- D. focusing on imported ingredients.

SL 1

9. Name the government Ministry in Samoa that is responsible for regulating the food industry.

- A. Ministry of Health.
- B. Ministry of Finance.
- C. Ministry of Police and Prisons.
- D. Ministry of Education and Culture.

SL 1

10. Identify the major function of the body's metabolism system.

- A. Build and repair tissues.
- B. Eliminate waste products.
- C. Break down food for energy.
- D. Transport nutrients throughout the body.

☐

SL 1

Refer to the illustration given below to answer the Question that follows.



Source: <https://www.bing.com>

11. List **TWO** safe steps for thawing frozen chicken.

SL 2

12. You plan to sell dehydrated vegetables in bulk at the farmer's market. Explain **ONE** factor to consider when choosing a dehydration method to maximize your profit.

SL 3

- Discuss how the regulations can positively impact consumers in the food industry. Use specific examples to support your answer.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

SL 4

Refer to the illustration given below to answer the question that follows.



Source: <https://www.bing.com>

14. Discuss how the nutritional and aesthetic value of the above meal could be improved. Use examples to support your answer.

[illegible]

SL 4

15. A local restaurant has been linked to a recent outbreak of a foodborne illness.

Explain how the foodborne illness could have started at the local restaurant.

SL 3

16. Describe how Vitamin D influences the absorption of calcium from the diet.

SL 2

17. A balanced diet plays a crucial role in maintaining optimal health by supporting various bodily systems.

Discuss how a balanced diet contributes to the proper functioning of the digestive system in the body. Use examples to support your answer.

SL 4

For Questions 19 to 21, choose and write the LETTER of the correct answer in the box provided.

19. Which of the following foods is important for a pregnant woman to include in her daily diet?

A. White bread
B. Sugary cereals
C. Fried fast food
D. Lean protein sources

SL 1

20. Which of the following factors in society is contributing to nutritional-related diseases?

A. Access supply of fresh fruits and vegetables.
B. Widespread knowledge of healthy eating habits.
C. Busy lifestyles leading to reliance on convenient foods.
D. Reduced marketing and unavailability of processed foods.

SL 1

21. How does food insecurity contribute to nutrition-related diseases?

A. It promotes the consumption of healthy meals.
B. It encourages people to eat more vegetables.
C. It has no impact on nutrition-related diseases.
D. It means inconsistent access to nutritious foods, resulting in a poor diet.

SL 1

22. List **TWO** reasons for including fruits and vegetables in a healthy diet.

SL 2

25. You have a family with young children, teenagers, and working adults.

Explain **ONE** potential health issue related to clothing choices for different family members.

SL 3

26. You are a health advocate in your community and have noticed a high number of diabetic people.

Explain how you would advocate healthy food choices for your community to prevent diabetes.

SL 3

27. You are part of a health and safety committee at your workplace.

Explain **ONE** recommendation you would make to improve the health and safety of your colleagues.

SL 3

For Questions 28 to 30, choose and write the LETTER of the correct answer in the box provided.

28. Fast food restaurants require a consistent supply of ingredients.

Identify the agricultural practice that will benefit from this demand.

- A. Urban farms focused on local produce.
- B. Community supported agriculture programs.
- C. Large-scale farms specializing in a single crop.
- D. Small, diversified farms using organic methods.

SL 1

29. Many food service jobs require strong teamwork and communication skills.

Which of the following demonstrates these skills?

- A. Collaborating with colleagues.
- B. Carefully following detailed recipes.
- C. Demonstrating strong product knowledge.
- D. Working independently to meet a tight deadline.

SL 1

30. A buildup of grease can be a fire hazard in restaurant kitchens.

Which piece of equipment typically requires the most frequent cleaning to remove grease buildup?

- A. Deep fryer.
- B. Microwave.
- C. Walk-in freezer.
- D. Food prep table.

SL 1

31. List **TWO** common problems you might encounter during a restaurant visit.

SL 2

32. List **TWO** ways a restaurant can maintain consistent food quality during meal service.

33. Many factors can contribute to negative experiences in hotels and restaurants.

Discuss the impact of inconsistent food quality on consumer satisfaction. Use examples in your answer.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface.

34. Advertisements play a significant role in driving the consumption of fast foods. Discuss how advertisements play a key role in increasing fast food consumption. Use examples to support your answer.

[illegible]

35. Differentiate between **food production** and the **consumption of fast foods**.

[illegible]

36. Describe **ONE** method of caring for equipment used in food production.

SL 2

For Questions 37 to 39, choose and write the LETTER of the correct answer in the box provided.

37. Natural fibers are of a great choice for summer clothing because they are:

- A. wrinkle-resistant, maintain a sharp look.
- B. strong and durable, lasting for many wears.
- C. good provider of insulation, perfect for cold weather.
- D. naturally breathable and comfortable, keeping you cool.

SL 1

38. Which type of yarn would be the best choice for a silky scarf with a beautiful drape?

- A. Spun yarn made from wool, known for its warmth and bulk.
- B. Spun yarn made from cotton, known for its breathability and casual look.
- C. Continuous filament yarn made from silk, known for its smooth texture and luxurious drape.
- D. Continuous filament yarn made from polyester, known for its durability and wrinkle resistance.

SL 1

39. The easiest way to carve for block printing with old lines is on a:

- A. metal.
- B. wood.
- C. rubber.
- D. linoleum.

SL 1

40. Describe how abrasion resistance contributes to the durability of synthetic fabrics.

SL 2

41. Describe **ONE** benefit of using anti-static finishes on clothing.

SL 2

42. A clothing designer is creating a new line of active wear for high-intensity workouts.

Discuss how the choice of fiber content (both natural and synthetic) can influence the breathability properties of the fabric for high intensity workouts. Use examples to support your answer.

This image shows a blank sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

SL 4

43. Rayon, a regenerated cellulose fiber, exhibits good absorbency.

Discuss how the chemical structure of rayon contributes to its ability to absorb water compared to a synthetic fiber like polyester.

SL 4

44. Explain the difference between **yarn** and **fabric construction**.

SL 3

45. List the first **TWO** steps for developing a design brief.

SL 2

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SSLC FOOD and TEXTILES TECHNOLOGY

2024

(For Scorers only)

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