

UNIVERSITY OF GHANA BASIC SCHOOL, LEGON
FIRST MOCK EXAMINATION – 2025



040/2&1 MOCK 1
OCTOBER, 2025
CAREER TECHNOLOGY
Essay and Objective
2 hours 5 minutes

2 & 1

Name:.....
Index No:..... Class:.....
Candidate's Signature:

OCTOBER 2025 CAREER TECHNOLOGY **2 & 1** 2 hours 5 minutes

HOME ECONOMICS

SECTION B

Answer question 1 and any other 1

1. a. You are to prepare biscuit for family's monthly meeting. Describe how you will measure 200g sugar for biscuit using a measuring cup.

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3 marks

- b. List four other tools that can be used to measure ingredients apart from measuring cup.

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2 marks

- c. State **four (4)** suitable food items that can be used to garnish the rice dishes that will be served at the party.

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.....
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2 marks

d. State **two (2)** reasons why it is important to garnish the food to be served.

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2 marks

a. Baaba cut fruits to prepare the family's favourite fruit salad but found out that the colour of the cut apples had changed after an hour describe what caused the change in colour.

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3 marks

b. List **one (1)** safe substance for preserving each of the following foods.

Food item	Suitable safe substance
i) Pepper	
ii) Onion	
iii) Fruits	

3 marks

2. a. Nana Kwame felt unwell after eating jollof. The doctor confirmed it was food poisoning. List four (4) **signs and symptoms** she exhibited.

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4 marks

b. Your club is about to organize a program on importance of food to man. State and explain **two (2)** importance of food.

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3 marks

c. Aunty Mary has a lot of eggs in her kitchen. State **two (2)** ways she can use egg white.

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2 marks

d. State **two (2)** importance of finishing the raw edges of articles.

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2 marks

a. You are to help your cousin set-up her sewing workshop. List four measuring and marking out tools she will need.

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2 marks

b. Give her **two (2)** importance of measuring and marking out tools at her shop.

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2 marks

3. a. You recently employed a cook at home. Explain to her, **two (2)** reasons why she should maintain good health.

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2 marks

b. Give her **two (2)** reasons why it is important for her to take proper care of the kitchen essentials she will be using.

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2 marks

c. In Ghana, there are three main kinds of meals served in a day.State and explain the main first meal of the day.

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2 marks

d You have been asked to buy kitchen essentials for your newly renovated kitchen. List the main the classes of kitchen essentials and give two examples each.

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3 marks

a. Describe any **two** of the types of kitchen essentials you have listed in ‘d’ above.

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4 marks

b. Give **two (2)** ways you can care for kitchen essentials.

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2 marks



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OCTOBER 2025

CAREER TECHNOLOGY **2 & 1**

2 hours 5 minutes

PRE-TECHNICAL SKILLS

SECTION B

Answer question four (4) compulsory, and any other one question.

Q4. Compulsory

Below is a mould box and a mixed-up procedure for moulding blocks using the mould box.



- i. Place the mould box on a pallet and oil the inside faces.
- ii. Measure the materials in the correct ratio onto a dry, hard surface
- iii. Mix as for mortar but with less water
- iv. Fill the mould box with the remaining two-thirds and tamp it well
- v. Finish it by levelling the top, remove the wedges, the sides and the end.
- vi. Fill the mould box about one-third full, tamp it well.

- a) Re-arrange the above mixed-up procedure in the correct order. **3 marks**
- b) List three appropriate materials that can be used to make the mould box. **3 marks**
- c) Mention two aggregates used in making the blocks. **2 marks**
- d) Make a freehand pictorial sketch of a spade and label any two parts. **4 marks**
- e) List six personal safety clothes worn in the workshop, site or laboratory. **3 marks**

Q5.

- a) Make a freehand pictorial sketch of the following hand tools: **9 marks**
 - i. Rip saw
 - ii. Twist drill
 - iii. Bolster

- b) Copy and complete the table, giving two examples of each: **3 marks**

Nails	Screws	Rivets
1	1	1
2	2	2

- c) List six types of accidents that happen in the workshop, site or laboratory. **3 marks**

Q6.

- d) Copy and complete the table, giving three examples of each **3 marks**

Man-made structures	Natural structures
1	1
2	2
3	3

- e) Make a freehand pictorial sketch of the following hand tools: **6 marks**
- i. Firmer chisel
 - ii. Brick hammer
- f) Mention two types of pictorial drawing. **2 marks**
- g) Sketch to show how isometric axes incline to each other at 120 degrees. **2 marks**
- h) List any four design stages/steps. **2 marks**

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OBJECTIVE TEST

1. Use **2B** pencil throughout.
2. On the answer sheet, write your surname followed by your other names, your index number, subject name, centre number.
3. In the boxes marked Candidate Number, Centre Number and Paper Code, resshade each of the shaded spaces.

Find the **correct** option for **each** question and shade in **pencil** on your answer sheet the space which bears the same letter as the option you have chosen.

Answer all questions.

1. Why should fingernails be kept short and clean?
 - a. To look fashionable
 - b. To prevent dirt and germs hiding under them
 - c. To make writing easier
 - d. To avoid playing football
2. Why does Mrs. Ali use tailor's chalk at her shop?
 - a. To cut fabric pieces evenly.
 - b. To hold pieces of fabric firmly.
 - c. To mark stitching lines on fabric.
 - d. To measure fabric accurately.
3. Burnt silk smells like burnt hair because it originates from a/an.....source.
 - a. Vegetable source
 - b. Human
 - c. Animal
 - d. Synthetic
4. Lily garnished the plain rice mainly to make it.....
 - a. Delicious
 - b. Attractive
 - c. Nutritious
 - d. Balanced
5. Sweat smells on the body when it reacts with
 - a. Oxygen
 - b. Bacteria
 - c. Virus
 - d. Glucose
6. The choice of seam is important in garment making because it.
 - a. Affects the garments appearance.
 - b. Increases fabric cost.
 - c. Reduces sewing time.
 - d. Makes garment lighter.
7. Edith loves eating sweets and often forgets to brush her teeth at night. Recently, she noticed small holes in her teeth and pain when eating cold food. What should Edith do to properly take care of her mouth?
 - a. Continue eating the sweets but drink water after.
 - b. Take pain medication.
 - c. Brush her teeth twice daily, floss and rinse with mouthwash.
 - d. Stop eating sweets and take only soda.
8. A correct pair of commercial abrasives is.....
 - a. Soap and lime.
 - b. Cloth and wood ash
 - c. Scouring powder and silvo.
 - d. Fine sand and brasso.
9. In a food laboratory, measuring cups are essential for:
 - a. Marking food quantities.
 - b. Measuring liquid and dry ingredients.
 - c. Cutting vegetables evenly.
 - d. Cooking food faster.
10. A chef has been working in a busy kitchen for hours without washing his hands. He is most likely to
 - a. Get tired easily of his hands.
 - b. Keep his hands more active.
 - c. Contaminate the food he touches.
 - d. Cause accidents.
11. Many fibres are twisted to form a
 - a. Yarn
 - b. Fabric
 - c. Textile
 - d. Cloth.

12. Incorrect threading of the sewing machine can lead to constant
- Breaking of fabric
 - Breaking of needle
 - Stitching
 - Breaking of thread
13. The simplest and most commonly used seam is
- French seam
 - Open seam
 - Run-and- fell seam.
 - Overlaid seam.
14. The unpleasant smell that comes from the body is.....
- Sweat
 - Odour
 - Gas
 - Aura
15. The needle used for lacing cords and casings in skirts is known as a
- Bodkin
 - Crewel
 - Sharp
 - Stiletto
16. To protect the tailors chalk from breaking or chipping,
- Shade or draw using only horizontal strokes.
 - Tie in a transparent rubber
 - Wet with water before use.
 - Drop it in the toolbox.
17. Which of the following is not true about maintaining the sewing machine?
- Oil only metallic moveable parts regularly.
 - Cover with its case when not in use.
 - Do not store in a damp area.
 - Servicing is needed once every two years.
18. The basic stitch which starts all crocheted articles is....
- Chain
 - Cross
 - Loop
 - Stem
19. Akwei advised his mother to select a polyester fabric for curtains in their home. The main reason for his choice is that it
- Can be obtained in different colours.
 - Can withstand frequent washing.
 - Is light in weight.
 - Soft to touch.
20. What is the primary function of a chef's knife in the kitchen?
- Chopping and slicing various ingredients.
 - Measuring liquid ingredients.
 - Peeling fruit and vegetables.
 - Scooping flour
21. Mr. Gyan, the sports master of LA basic school, during training with the pupils for the inter-school's sports competition fell and broke a bone in his arm. What type of accident did he suffer from?
- Bruise
 - Fall
 - Friction
 - Fracture
22. A craftsman working in the workshop should wear helmet while working. The helmet will....
- Protect his feet from injury
 - Shield his eyes from dust
 - Protect his head from injury
 - Help him carry heavy loads
23. Your class has been asked to do an important presentation where you have to use a quality material that has been treated with invisible coat that resist absorption and prevents ink from bleeding. Which type of paper will you use?
- Tracing paper
 - Bleed proof paper
 - Ink jet card
 - Cartridge paper
24. A material that is either synthetic or naturally occurring, that may be shaped when soft and then hardened to retain the given shape is
- Leather
 - Plastic
 - Metal
 - Fibre

25. Which of the following is an example of a ferrous metal?

- a) Tin
- b) Cast iron
- c) Zinc
- d) Lead

26. Materials that are developed through the invention of new or improved process are called?

- a) Invented material
- b) Resistant material
- c) Modern material
- d) Latest material

27. Mr. Duncan has secured a contract to build a two-story bedroom house in Amasaman, in the Greater Accra region, which of the following tools will he use to set-out the position of foundation and wall on the ground?

- a) Profile board
- b) Head pan
- c) Chalk
- d) Straight edge

28. The tool sketched below in **fig. 1** is used for....



- a) Marking-out on wood
- b) Marking-out on metal
- c) Setting-out in blockwork
- d) Marking lines in woodwork

29. Grace-Mercy, a student in UBS-Legon is cutting along the grain of a wawa board to be used to make a kitchen stool. Which of the following tools will she use?

- a) Rip saw
- b) Cross-cut saw
- c) Chain saw
- d) Long band saw

30. Which of these pair of instrument is best used when drawing in isometric?

- a) Ruler and set square
- b) Tee square and ruler
- c) Tee square and 45 degrees set square
- d) Tee square and 30 degrees set square

31. Which of the following dries fast because the solvent evaporates?

- a) Thinner
- b) Lacquer
- c) Oil paint
- d) Emulsion paint

32. Mr. Lamptey likes taking fresh air sitting on a wooden chair outside in his garden. Which of the following finishes is suitable to be applied on the chair?

- a) Emulsion paint
- b) Turpentine
- c) Grease
- d) Oil paint

33. The method of making rigid triangles with enough fasteners at the joints to form structures is known as?

- a) Triangulation
- b) Manufacturing
- c) Compositing
- d) Concreting

34. The human skeletal system is an example of....

- a) Man-made frame structure
- b) Foreign-made frame structure
- c) Locally-made frame structure
- d) Natural frame structure

35. The paper size that measures **420mm** by **297mm** is

- a) A1
- b) A3
- c) A0
- d) A4

36. Which of the following lines will Mr. Dziwornu use to show the centre of holes or symmetrical features?

- a. 
- b. 
- c. 
- d. 

37. “Who will use the unit”, is an analysis question for which factor of design?

- a) Function
- b) Economics
- c) Design brief
- d) Ergonomics

38. Which of the following materials is appropriate for joining a leather to the top of a wooden dining hall table?

- a) PVA
- b) PVC
- c) White glue
- d) Contact glue

39. The form of training to acquire knowledge and practical skills of a particular trade is....

- a) Schooling
- b) Apprenticeship
- c) Role playing
- d) Demonstration

40. The pencil sharpened to chisel-edge is

- a) HB
- b) BB
- c) HH
- d) 3H