

BASIC EDUCATION MOCK EXAMINATION
 December
CAREER TECHNOLOGY 2 & 1 **2&1**
 Essay and Objective
 2 hours 5 minutes

Name:
 Index Number:
 Candidate's Signature :
 Date of Examination:

ONE VISION EXAMINATIONS CENTRE (OVEC)

BASIC EDUCATION MOCK EXAMINATION

December **CAREER TECHNOLOGY 2 & 1** **2 hours 5 minutes**

[100 marks]

BASIC 9

Write your **name, index number, date of examination and sign in ink** in the spaces provided above.

This booklet consists of two papers. Paper **2** is in two sections: **A** and **B**. Answer **four** questions only: Two questions in section **A** using the spaces provided in this question paper. **Two** questions from section **B** to be answered in the **answer booklet** provided. Paper **2** will last 1 hour 15 minutes.

Do not start Paper **1** until you are told to do so. Paper **1** will last 50 minutes. Answer Paper **1** on your Objective Test answer sheet.

At the end of the examination, you should submit the **entire** question paper and answer booklet to the invigilator.

Any candidate who tears off **any** part of this question paper will be **severely** penalized.

Whether you answer all the questions in this paper or not, hand in the **entire** question paper to the invigilator.

Credit will be given for expression and orderly presentation of materials.

CAREER TECHNOLOGY	
For Examiner Use Only	
Question Number	Mark
TOTAL	

ESSAY

PART A

[30 marks]

Answer Question 1 [Compulsory] and any other one question.

1. (a) i. There are different ways yams can be cooked for consumption, but Ama prefers frying to other methods. In five sentences, describe how yam is fried.

.....
.....
.....
.....
.....

[5 marks]

- ii. State three reasons why people like fried foods.

.....
.....
.....

[3 marks]

- iii. How would you explain the following forms of frying to your siblings?

(a) Deep frying –

.....
.....

(β) Shallow frying –

.....
.....

[4 marks]

- (b) State three techniques for cutting and shaping food items in the food laboratory.

.....
.....

[3 marks]

2. (a) Dressmakers make a lot of features, like cuts and openings on garments, when constructing them.

- i. Why would a dressmaker make cuts and openings in garments?

.....
.....

[2 marks]

ii. During finishing, give three things that can be fixed on garments to close the openings and cuts.

.....
.....
.....

(b) State two examples of measuring tools used at the following places. **[3 marks]**

- i. Food laboratory -
- ii. Sewing workshop -

.....
.....
..... **[4 marks]**

(c) A teacher asked the class to read about waste management. State two ways of managing waste in our Ghanaian communities.

.....
.....
..... **[3 marks]**

(d) Explain how poor ventilation can lead to a kitchen accident.

.....
.....
..... **[3 marks]**

3. (a) Kwaku's mother sent him to buy fresh fish for soup. State two factors he should consider when selecting the fish.

.....
.....
..... **[3 marks]**

(b) Environmental health refers to how natural and man-made surroundings affect human well-being. Give four factors that contribute to environmental health.

.....
.....
..... **[4 marks]**

(c) When making a gown for a woman, what two factors would determine the number of yards of fabric needed?

.....
.....
..... **[3 marks]**

(d) Explain briefly what a *seam* is and give two ways it can be made.

.....
.....
..... **[5 marks]**

PART B

[30 marks]

Answer Question 4 [Compulsory] and any other one question.

4. Students of Yabraso DA JHS3 designed a unit as shown below to help a colleague who finds it difficult to carry books and other items to school.



- (a) i. List two materials needed in making the unit. [2 marks]
ii. Name two processes involved in making the unit above. [2 marks]
iii. State two tools needed in making the unit. [2 marks]
- (b) Why would the students carry out the following activities in the production process:
i. making initial drawing of unit;
ii. investigation;
iii. testing and evaluation. [6 marks]
- (c) In three sentences, state how the unit can be cared for and maintained. [3 marks]
5. (a) State the use of each of the following tools in the building and wood workshop:
i. head pan;
ii. steel rule;
iii. scribe. [6 marks]
- (b) Oklu is planning to establish a wooden chop box manufacturing business. State four factors to consider in setting up the business. [4 marks]
- (c) Draw a cuboid in Isometric view. [5 marks]
6. (a) i. Make a pictorial sketch of a mould box. [5 marks]
ii. List two types of fasteners that can be used to strengthen the joint of a mould box. [2 marks]
- (b) i. Abena was asked to apply finishes to a product. As a friend, how would you explain finishes to her? [3 marks]
ii. List three examples of finishes that can be used on wooden, metal and building forms. [3 marks]
- (c) In graphic communication, what two tools can be used to draw various forms of lines? [2 marks]

END OF ESSAY TEST

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

**YOU WILL BE PENALIZED SEVERELY IF YOU ARE
FOUND LOOKING AT THE NEXT PAGE BEFORE
YOU ARE TOLD TO DO SO.**

BASIC 9

PAPER 1

50 minutes

OBJECTIVE TEST

Answer all questions on your Objective Test answer sheet.

1. Use **2B** pencil throughout.
2. On the pre-printed answer sheet, check that the following details are **correctly** printed: Your **surname** followed by **other names**, the *Subject Name*, your *Index Number*, *Centre Number* and the *Paper Code*.
3. In the boxes marked *Candidate Number*, *Centre Number* and *Paper Code*, **reshade** each of the shaded spaces.
4. An example is given below. This is for a female candidate whose name is Janet OWUSU, Her *Index Number* is **772384188** and she is writing the examination at Centre Number **77234**. She is offering **Career Technology 1** and the Paper Code is **0531**.

ONE VISION EXAMINATIONS CENTRE (OVEC)
BASIC EDUCATION MOCK EDUCATION
OBJECTIVE ANSWER SHEET

CANDIDATE NAME: OWUSU JANET	SUBJECT NAME: CAREER TECHNOLOGY 1
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- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Use 2B pencil. Press firmly. 2. Answer question by choosing one letter and then, shade through the letter chosen like this
[A] [B] [C] [D] [E] 3. If you want to change an answer, rub out your | <ol style="list-style-type: none"> first mark completely. 4. If only four alternatives answers are given for each question, ignore the letter E 5. Your question paper may have fewer than 100 questions. |
|--|--|

CANDIDATE NUMBER	CENTRE NUMBER	PAPER CODE	For Supervisors only. If candidate is absent shade this space. <div style="border: 1px solid black; width: 50px; height: 20px; margin: 0 auto;"></div>																																																																																																																																																																																																					
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Answer **all** questions in this section.

Each question is followed by **four** options lettered A to D. Find the **correct** option for **each** question and shade in **pencil** on your answer sheet the answer space which bears the same letter as the option you have chosen. Give only **one** answer to **each** question. An example is given below

Tools are oiled after use to

- A. ensure they remain accurate.
- B. prevent them from rusting.
- C. preserve the cutting edges.
- D. maintain their attractiveness.

The correct answer is 'prevent them from rusting' which is lettered B and therefore answer space B would be shaded.

[A] [~~B~~] [C] [D]

Think carefully before you shade the answer spaces: erase completely **any** answer you wish to change.

Do all rough work on this question paper. Now answer the following questions

1. Why would a catering service employ technology in its operations?
 - A. For slower operations
 - B. To enhance customer availability
 - C. To help create competition and efficiency
 - D. It helps increase the number of manual workers
2. A major reason why Araba would set up a sewing business is to
 - A. get regular income
 - B. keep her busy
 - C. prevent taking risks
 - D. work daily without fear
3. A permanent stitch is made on a garment mainly for the following purposes except
 - A. decorating
 - B. joining
 - C. neatening
 - D. altering
4. Suitable protein dishes served with boiled yams to customers include the following except
 - A. hot pepper sauce
 - B. beef palaver sauce
 - C. egg stew
 - D. beans stew
5. Tables are well set for family meals, mainly to
 - A. make guests happy
 - B. cause a good colour blend
 - C. show styles and class
 - D. make eating pleasant
6. Which cooking method is suitable for cooking kenkey?
 - A. Steaming
 - B. Boiling
 - C. Braising
 - D. Microwave cooking
7. When frying fish for lunch, the following are advantages to note, except that fried foods
 - A. smell good
 - B. are attractive
 - C. have good taste
 - D. are always soggy
8. Food commodities like cereals and grains are made to last long by
 - A. glazing
 - B. drying
 - C. freezing
 - D. cooking
9. Stewing is a cooking method that
 - A. uses more water than boiling
 - B. requires high heat throughout the cooking period
 - C. uses little amount of liquid and low heat
 - D. is carried out only in ceramic pots
10. To prevent the edges of a fabric-made bag from fraying, it is advisable to
 - A. mend it
 - B. neaten it
 - C. alterate it
 - D. sanforize it
11. Cotton and linen clothes are highly absorbent and
 - A. cool to wear
 - B. easy to fade
 - C. difficult to dye
 - D. smooth to rub

12. Which garnish would best complement a pale dish like boiled rice?
 A. Apple peels and sliced grapes
 B. Chopped carrots and bell pepper
 C. Minced meat and raspberry
 D. Salty fish and sliced cucumber
13. The main things used for crocheting items is
 A. hook and eye
 B. pin and line
 C. hook and yarn
 D. string and needle
14. In the sewing workshop, which tool is used to transfer patterns onto fabrics?
 A. Seam ripper
 B. Tailor rod
 C. Measuring gauge
 D. Tracing wheel
15. A colander and a perforated spoon are used in the kitchen laboratory for
 A. draining off liquids
 B. mincing meat
 C. filleting food pieces
 D. dishing out food
16. Ramatu eats good food, takes enough rest, conducts herself well and keeps her body clean. She is said to be practicing
 A. personal hygiene
 B. responsible manners
 C. healthy lifestyle
 D. good grooming
17. The various parts of garments are gathered and assembled with a
 A. tailors needle
 B. pressing iron
 C. sewing machine
 D. standing dummy
18. People often take in water for the following reasons except
 A. to cause dehydration
 B. to gain much moisture
 C. to make one quench thirst
 D. to assimilate nutrients
19. Milk is used in pastry making for
 A. garnishing breads
 B. enriching mixtures
 C. smoothening flour
 D. decorating a meat pie
20. A dressmaker is required to take body measurements to ensure that
 A. sewing is well unkept
 B. patterns match well
 C. fabric is not wasted
 D. garment hangs well
21. The visual representation of an artefact is considered under appearance and
 A. aesthetics
 B. construction
 C. materials
 D. ergonomics
22. A boy followed a sequential order of activities to design a coal pot for her mum. Which operation was performed first?
 A. Cutting out pieces of metal parts
 B. Assemble and join all required cut-out parts
 C. Measuring the metal pieces to the needed dimensions
 D. Marking out and filing pieces to the required sizes
23. Cutting wood along the grain is done with which type of saw?
 A. Rip saw
 B. Tenon saw
 C. Crosscut saw
 D. Hacksaw
24. A group of students designed a waste bin for their school to collect waste. How would they assess the efficiency of the product? By
 A. testing and evaluating
 B. assessing and accounting
 C. checking and balancing
 D. considering and framing
25. A leather bag manufacturer needs to join two leather pieces firmly. The best technique to use is
 A. ripping
 B. bolting
 C. gluing
 D. patching
26. Which of the following objects can be considered a two-dimensional object in the environment?
 A. Boiling pan
 B. Kitchen cabinet
 C. Cocoyam leaf
 D. Maggi cube

27. A material that has recognized, predictable and consistent properties is known as
- resistant material
 - compliant material
 - smart material
 - modern material
28. Adwoa used calico and paperboard to make a model house. These materials are best described as
- smart materials
 - toxic materials
 - compliant materials
 - ceramic materials
29. A marking tool in a metal workshop is
- folding rule
 - rolling pin
 - sandpaper
 - scriber
30. Follo is helping his uncle at the building site. The tool he would use to cut blocks is
- mallet
 - chisel
 - trowel
 - spade
31. A Career Technology student finished constructing a wooden table. What should be done to the surface before applying the finish?
- Wash with vinegar
 - Paint directly with a brush
 - Sand the surface smooth
 - Scratch with an emery cloth
32. In the metal and plastic workshop, which method is used to join metal pieces using heat?
- Mending
 - Welding
 - Melting
 - Alloying
33. During a school project, some students added thinner to the lacquer. What were they trying to achieve?
- Make it much thicker
 - Change the colour
 - Reduce the scent
 - Make it flow easily

Use the figure below to answer questions 34 and 35.



34. The activity illustrated by the figure is
- filing
 - chiseling
 - sawing
 - seasoning
35. The main reason for carrying out the activity above is to remove
- packs of iron filings
 - dissolved plaster of Paris
 - excess content of wood
 - metallic joints and frames
36. Successful entrepreneurs possess the following qualities except
- creativity
 - persistence
 - anxiety
 - goal-setting
37. Which factor is the most important when setting up a small business?
- Number of customers
 - Number of workers
 - Market availability
 - Temporal location
38. At a welding shop, the most appropriate equipment to protect the eye is
- lab lens
 - face mask
 - spectacles
 - goggles
39. The following accidents may likely occur in metal and wood workshops except
- cuts
 - scalds
 - sprain
 - falls
40. Why is it necessary to put on safety apparatus when working in the wood workshop?
- To make tools efficient
 - To protect the body against injuries
 - To produce enough emergency exit points
 - To make the body highly firm to the touch

END OF PAPER