

1ST ASSIGNMENT
MARCH, 2020
BASIC DESIGN & TECHNOLOGY
(HOME ECONOMICS)
Essay and Objective
1hour 55 minutes

2 & 1

Name

Index Number

ADDITROM SCHOOL

Basic Education Certificate Education

March, 2020

BASIC DESIGN AND TECHNOLOGY
(HOME ECONOMICS 2 & 1)

1hour 55 minutes

*Write your **name**, **index number**, in **ink** in the spaces provided above.*

*This booklet consists of two papers. Paper 2 is in two sections: **A** and **B**. Answer three questions only: Question **1** in section **A** and **two** questions from section **B**.*

Credit will be given for clarity of expression and orderly presentation of material.

***Paper 2** will last **1hr. 15minutes** after which the drawing sheet(s) will be collected.*

*Answer **Paper 1** on your Objective Test answer sheet.*

*Do not start **Paper 1** until you are told to do so. **Paper 1** will last **40 minutes**.*

2
Paper 2
Essay
SECTION A
CORE SKILLS
[20marks]

1 hour

Answer Question 1
[COMPULSORY]

1. (a) i. State **four** methods of gathering information for making a kitchen stool.

- i.
 - ii.
 - iii.
 - iv.
- (2marks)

ii. State **two** methods of sketching the kitchen stool in pictorial.

- i.
 - ii.
- (2marks)

iii. State **three** things that can cause the kitchen stool to be weak or faulty.

- i.
 - ii.
 - iii.
- (3marks)

(b) i. Explain table etiquette.

-
 -
 -
- (2 marks)

ii. State the result of lack of the following nutrients in the body.

- i. Vitamin B complex -
- ii. Iron -

- iii. Vitamin C -
- iv. Calcium -
- v. Vitamin A -

(5marks)

(c) i. What is packaging?

.....

.....

.....

ii. Give **four** benefits of packaging.

- i.
- ii.
- iii.
- iv.

iii. Make a freehand sketch of **three** conventional symbols on a package.

(6 marks)

SECTION B

[50marks]

Answer two questions only from this section.

All questions carry equal marks.

2. (a) State two characteristics of each of the following fibres.

i. Linen

.....
.....

ii. Polyester

.....
.....

iii. Rayon

.....
.....

(6marks)

(b) In four sentences, state the general care of natural fabrics.

iii.

iv.

v.

vi.

(4marks)

(c) Give two advantages and two disadvantages of the following sewing machines:

i. Treadle sewing machine

.....
.....

ii. Electric sewing machine

.....
.....

(8marks)

(d) i. Give two examples of permanent stitches.

i.

ii.

(2marks)

ii. State three general rules for working stitches.

i.

ii.

iii.

(3marks)

iii. State two reasons why cotton fabric is best for use in Ghana.

i.

.....

ii.

.....

(2marks)

3. (a) List tow points to consider in the choice of each of the stated food commodities.

Food commodity	Choice
Nkontomire	
Cowpeas	
Tomatoes	
Meat	
Cassava	

(b) i. What is food preservation?

.....

.....

.....

ii. List four methods of food preservation.

- i.
 - ii.
 - iii.
 - iv.
- (4marks)

iii. State three reasons for preserving food.

- i.
 - ii.
 - iii.
- (3marks)

(c) i. Explain the term “one – pot dish”.

.....

.....

.....

ii. Give two examples of one – pot dish.

- i.
 - ii.
- (2marks)

iii. Give two points to consider when purchasing food for the home.

- i.
 - ii.
- (2marks)

4. (a) Supply the disease, sign and symptoms of deficiency of the following nutrients in the table below:

Nutrient	Disease	Signs and symptoms
Protein		
Iron		
Iodine		
Vitamin D		

Vitamin C		
-----------	--	--

(10marks)

(b) i. State one use of each of the following kitchen equipment

i. Palatte knife

.....

.....

ii. Perforated knife

.....

.....

iii. wooden spoon

.....

.....

iv. Strainer

.....

.....

(4marks)

ii. Explain three factors to consider when choosing equipment and tools for catering.

i.

ii.

iii.

(3marks)

(c) i. What is the difference between fats and oils?

.....

.....

.....

.....

.....

(1mark)

ii. State two main functions of fats in the body.

i.

.....
ii.
.....
(2marks)

(d) Explain the following terms as used in food and nutrition.

i. Malnutrition
.....
.....
.....
ii. Anti-nutrients
.....
.....
.....
iii. Deficiency disease
.....
.....
.....
(3marks)

(e) State two major differences between animal protein and vegetable protein.
.....
.....
.....
.....
(2marks)

END OF ESSAY

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.**

PAPER 1
OBJECTIVE TEST

45 minutes

1. Use 2B pencil throughout.
2. on the pre-printed answer sheet, check that the following details are **correctly** printed:8
Your **surname** followed by your **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 a candidate whose name is Ben Kobby ISSAH.
His *index number* is 772384188 and he is writing the examination at *Centre Number* 77234.
He is offering *Home Economics Skills 1* and the *Paper Code* is 0541.

**THE WEST AFRICAN EXAMINATIONS COUNCIL, GHANA
BASIC EDUCATION CERTIFICATE EXAMINATION
OBJECTIVE ANSWER SHEET**

CANDIDATE NAME:										SUBJECT NAME:																				
1. Use HB Pencil Press firmly 2. Answer each 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										first mark completely. 4. If only four alternative answers are given for each question, ignore the letter E. 5. Your question paper may have fewer than 60 questions.																				
CANDIDATE NUMBER										CENTRE NUMBER										PAPER CODE										For Supervisor only if candidate is absent shade this space
[0] [0] [0] [0] [0] [0] [0] [0] [0] [0]										[0] [0] [0] [0] [0]										[0] [0] [0] [0]										
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Answer *all* the questions.

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 space which bears the same letter as the option you have chosen. Give only **one** answer to **each** question. An example is given below.

The most useful part of timber is the _____.

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

The correct answer is heartwood which is lettered C and therefore answer C space would be shaded.

[A]

[B]

[C]

[D]

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

Now answer the following questions.

1. The advantages of buying food in bulk is that it

.....

- A. becomes abundant
- B. becomes cheaper
- C. is easier to choose.
- D. Is easier to store

2. A balanced meal must contain

- A. Food from each group
- B. Little fat and oil only
- C. Protective foods only
- D. Protein foods only

3. Drawing and painting are grouped under

.....

- A. Landscape
- B. Still life
- C. Three-dimensional work
- D. Two-dimensional work

4. Select a neutral colour from the options below.

- A. Blue
- B. Orange
- C. Red
- D. White

5. The statement describing the problem in designing is referred to as

- A. Design brief
- B. design process

C. situation

D. investigation

6. The following are all types of soft pencils except.....

- A. 2B
- B. 6B
- C. 3B
- D. HB

7. In a course meal, the last dish to be served is.....

- A. Lunch
- B. dessert
- C. supper
- D. snack

8. Cabbage stew with boiled rice can be described as

.....

- A. Dish
- B. meal
- C. lamp
- D. pork

9. Bleeding gum is a symptom of lack of

- A. Protein
- B. carbohydrate
- C. vitamins C
- D. calcium

10. A path made by a moving point like pencil is

-
- A. Shape
- B. Colour
- C. Line
- D. Dot

11. If X is blue and y is red, find xy.

- A. Green
- B. Violet
- C. Brown
- D. Orange

12. The analysis factor that deals with the purpose and utility of the artifact is.....

- A. Function
- B. ergonomic
- C. safety
- D. material

13. The word “Design and make” is used when writing

- A. Situation
- B. brief
- C. analysis
- D. reports

14. The leadership style adopted to get work done is

-
- A. Directing
- B. Controlling
- C. Planning
- D. Advertisement

15. Which of the following situation is an indirect risk to a small business?

- A. Flood
- B. fire
- C. inflation
- D. theft

16. Clothes for hot climates should be made from

-
- A. wool
- B. cotton
- C. nylon
- D. silk

17. The following are parts of the sewing machine except

- A. presser foot
- B. needle clamp

- C. feed dog
- D. seam ripper

18. Anaemia can be corrected by eating foods containing

- A. iron
- B. vitamin D
- C. vitamin C
- D. calcium

19. All these show the importance of sleeves in garments except

- A. keeping the body warm
- B. filling the armhole
- C. reducing cost of the garment
- D. adding style to the garment

20. The state in which food has gone bad and is dangerous to eat is

- A. food substance
- B. food spoilage
- C. food nutrient
- D. food sources

21. When sewing, the machine needle is lowered into the fabric by turning the

- A. handle
- B. tension disc
- C. balance wheel
- D. take up lever

22. All these are mechanical equipment except

-
- A. food mixer
- B. washers
- C. cabinets
- D. heater

33. When making short crust pastry, it is important to use

- A. hot water
- B. warm water
- C. ice cube
- D. cold water

24. A well ventilated kitchen prevents

- A. accidents
- B. fatigue
- C. hard work
- D. nausea

25. Which of the following pairs of food is for body building?

- A. Cassava and beans
- B. Cocoyam and plantain
- C. Pawpaw and cabbage
- D. Groundnut and cowpeas

26. The basic ingredients for pancake are

- A. flour, baking powder and milk
- B. flour, butter and baking powder
- C. flour, eggs and liquid
- D. flour, fat, milk and sugar

27. Examples of cooking methods that use conduction are

- A. boiling, poaching and steaming
- B. grilling, steaming and baking
- C. frying, boiling and roasting
- D. roasting, poaching steaming

28. Accurate measurements must be taken in garment making to make garments

- A. look beautiful
- B. look fashionable
- C. last longer
- D. fit well

29. Food commodities are

- A. major ingredients used for cooking food
- B. dishes served for communities
- C. quality fruits and vegetables
- D. meals prepared during festivals

30. A French seam is suitable for

- A. household articles
- B. outer garments
- C. bulky fabrics
- D. coarse fabrics

END OF PAPER