



Index Number:

NATIONAL CERTIFICATE OF EDUCATION

2021-2022

TECHNOLOGY STUDIES (N550) Component 2

TIME: 1 HOUR 15 MINUTES

Candidates answer on the Question Paper.

INSTRUCTIONS TO CANDIDATES

- Write your index number in the space provided above.
- Use black or blue ink. HB pencils may be used for diagrams/sketches only.
- Read each question carefully. All answers must be written in the spaces provided.
- Do not use correction fluid.
- This document consists of **10** questions printed on **10** pages, numbered **2** to **11**.
- Answer **ALL** questions.
- The total marks for Component 2 is **50**.
- The number of marks is given in brackets () for each question or part question.

For Examiners' use												
Question No.	1	2	3	4	5	6	7	8	9	10	Total	Signature
Examiner												
Team Leader												
Quality Controller												
CE/ACE												

SECTION A**Question 1 (5 marks)**

Circle the correct answer. Each item carries one mark.

(a) A diet which is deficient in Vitamin C may lead to

A anaemia

B beriberi

C goitre

D rickets

(b) **Figure 1** shows the safe symbol for

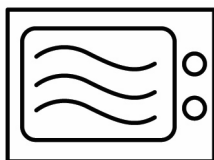


Figure 1

A electric hotplates

B gas stoves

C microwaves

D ovens

(c) **Figure 2** shows an equipment that uses water vapour to cook food.



Figure 2

This method of cooking is known as

A baking

B steaming

C grilling

D roasting

(d) An example of a woven fabric is

A acrylic

B wool

C nylon

D denim

(e) The lines in clothing make you appear elegant.

A horizontal

B diagonal

C curved

D vertical

Question 2 (4 marks)

Put a tick (✓) in the appropriate box to indicate whether each statement is **TRUE** or **FALSE**. An example is given.

STATEMENT		TRUE	FALSE
Example: Family goals are the targets that families set out to achieve.		✓	
a.	Technology has no effect on our lives.		
b.	Social media facilitates communication.		
c.	The use of microwaves makes people lose time.		
d.	Playing video games for long hours leads to addiction.		

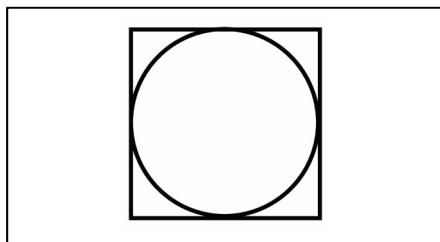
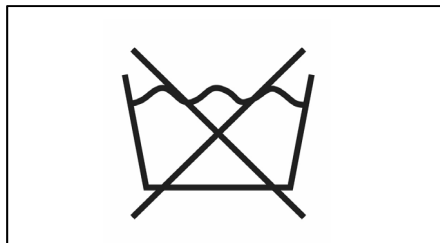
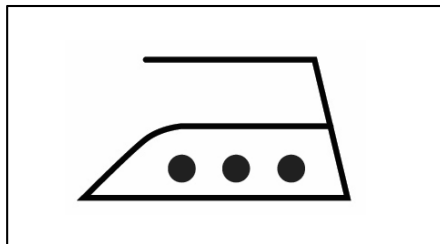
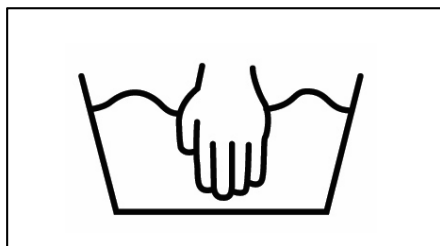
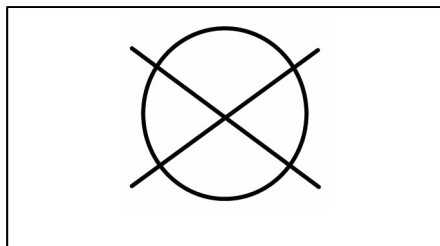
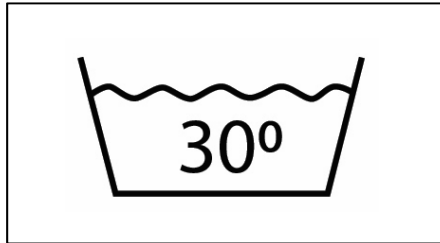
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Question 3 (5 marks)

Match each care symbol shown in **Column A** to its corresponding description in **Column B**. An example is given.

Column A



Column B

● Handwash

● Wash at 30°C

● Tumble dry

● Do not wash

● Do not dry clean

● Iron at low temperature

● Iron at high temperature

Question 4 (4 marks)

Fill in the blanks with the correct word from the list given below. An example is given.

patchwork	wrinkles	loop stitches
eco-friendly	back stitches	quilting

Example: You should use eco-friendly bags when shopping.

- (a) Straight sewing machine stitches resemble
- (b) Steam irons help to remove from fabrics.
- (c) One way of reusing fabrics from old clothes is by creating
- (d) In , three layers of fabric are stitched together.

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Question 5 (5 marks)

Figure 3 shows a free-standing cooker. Label parts **A**, **B**, **C**, **D** and **E**.

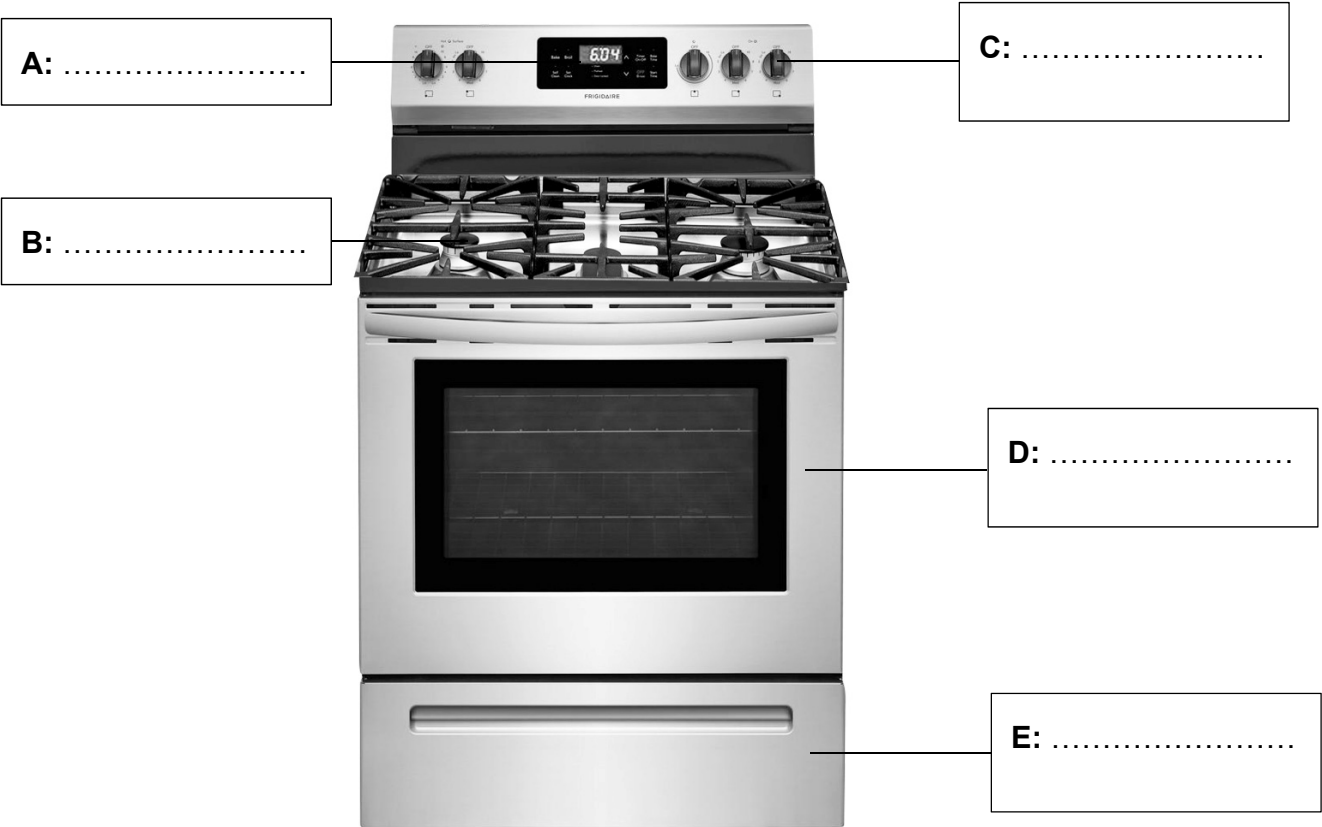


Figure 3 – A free-standing cooker

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SECTION B

Question 6 (5 marks)

Complete the table below by choosing a micronutrient from the given list for each function given.

An example is given.

Sodium	Iron	Vitamin A	Vitamin D
Potassium	Vitamin E	Calcium	

Function		Micronutrient
Example: Helps in the formation of strong bones and teeth		Calcium
a.	Protects body cells	
b.	Helps to maintain normal blood pressure	
c.	Keeps the skin smooth and healthy	
d.	Is needed for the proper functioning of the nervous system	
e.	Is needed for the formation of red blood cells	

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CE

Question 7 (4 marks)

(a) Name **two** methods of food preservation.

(i)

(ii)

[2]

(b) Give **two** sustainable food production practices.

(i)

(ii)

[2]

E
TL
QC
CE

Question 8 (6 marks)

(a) Write down the **three** main ingredients used to make a sponge cake.

(i)

(ii)

(iii)

[3]

(b) Name the **method** used to make sponge cakes.

.....

[1]

(c) Suggest **two** methods to decorate a sponge cake.

(i)

(ii)

[2]

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Question 9 (6 marks)

Complete the table below by giving one property and one end-use of each fabric.

An example is given.

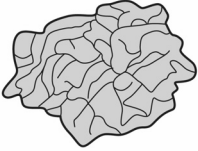
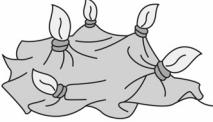
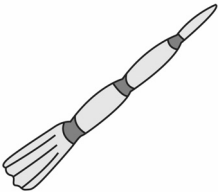

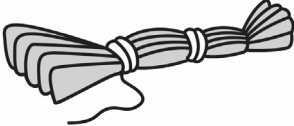
Fabric	Property	End-use
Nomex	Resists heat and flame	Uniforms for Firemen
Lycra
Jersey
Kevlar

Question 10 (6 marks)

Tie and dye is a decoration technique used to enhance the appearance of fabrics.

- (a) Choose the appropriate word from the list below to complete the table.
An example is given.

Spiral	Dots	Bulleye
Band	Crumple	Painting

Tying technique	Method
	Crumple





[4]

(b) Give **two** safety precautions to be observed while dyeing a fabric.

(i)

(ii)

[2]

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