

NATIONAL CERTIFICATE OF EDUCATION
TECHNOLOGY STUDIES
FOOD & TEXTILES COMPONENT (N550)
MODEL QUESTION PAPER GRADE 9

READ THESE INSTRUCTIONS FIRST

1. Use blue or black ink. HB pencils may be used for diagrams/ sketches only.
2. Read each question carefully. All answers must be written in the spaces provided
3. Do not use correction fluid.
4. Answer all questions
5. The total mark for this paper is 50.

SECTION A

QUESTION 1 (5 Marks)

Circle the correct answer. An example has been provided.

Example: Micronutrients are needed in _____ in the body

A Large amount

B No amount

☒ C Small amount

D Very large amount

1) The human body is made up of about Water.

A: 56 %

☒ B : 72 %

C: 79 %

D: 82%

2) An example of water soluble vitamin is

A: Vitamin A

B: Vitamin E

☒ C : Vitamin B

D: Vitamin K

3) Nutrients that are needed in large amounts are called

A: Vitamins

B: Proteins

☒ C : Macronutrients

D: Micronutrients

4) is a condition characterized by an obsessive fear of gaining weight.

A: Binge Eating

☒ B : Anorexia Nervosa

C: Bulimia Nervosa

D: Diet

5) is the cooking of food in hot oil.

☒ A : Frying

B: Boiling

B: Steaming

C: Microwave cooking

(5 Marks)

QUESTION 2 (6 Marks)

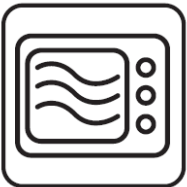
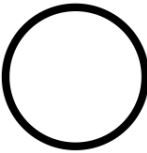
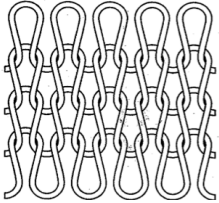
Put a tick (✓) in the appropriate column to indicate whether the statement is True or False. The first one has been done for you.

	STATEMENT	TRUE	FALSE
	Example: One example of Food for growth is Meat	✓	
a	White coloured fruits and vegetables help boost memory		✓
b	Cooking foods helps to add variety in the diet.	✓	
c	Food for Health protects our body against diseases.	✓	
d	An example of macronutrient is Proteins	✓	
e	Technology promotes learning opportunities within the family.	✓	
f	Anaemia is the most common Calcium deficiency among children and adolescents		✓

(6 Marks)

QUESTION 3 (5marks)

Match each picture shown in Column A with the corresponding statement in the Column B. An example has been provided.

Column A	Column B
	Do not bleach
	A knitted fabric structure
	Microwave safe
	Reduce Recycle Reuse
	Yoyo techniques
	Dry cleaning

(5Marks)

QUESTION 4 (5 Marks)

Fill in the blanks with the correct word from the list given below. One example has been done for you.

(~~Style~~, ~~Silhouette~~, ~~wider~~, ~~tubular~~, ~~taller~~, ~~haute couture~~)

- i) Vertical lines make the wearer appears ...**taller**...
- ii) Horizontal lines make the wearer appears ...**wider**...
- iii) ...**Silhouette**... refers to the overall shape of garments.
- iv) ...**Tubular**... silhouette comes straight down without flares.
- v) Fashion trend refers to a ...**style**... that is popular at some point in time.
- vi) ...**Haute Couture**... refers to the creation of exclusive custom- fitted clothing. (5 Marks)

QUESTION 5 (4 marks)

Complete the table below by giving TWO POSITIVE and TWO NEGATIVE impacts of technology on family life.

Positive Impact	Negative Impact
1. Facilitates communication for e.g. What Sapp	1. Too much screen time leading to separation
2. Saves times and energy for e.g. Online booking	2. Dangers due to harmful games

(4 Marks)

SECTION B

QUESTION 6 (5 Marks)

(a) Families are considered as building blocks of the society. List TWO reasons why family relationships are important.

- (i) Provide children with the skills they need to build healthy relationships of their own.
- (ii) To overcome everyday hurdles such as coping with health issues.

(2 Marks)

(b) Give THREE examples of how technology can be used in the home.

- Example 1: Mobile Phones
- Example 2: Security system
- Example 3: Smart TV

(3 Marks)

QUESTION 7 (5 marks)

(a) Figure 1 shows an Electric Sewing Machine. Label parts A, B and C.

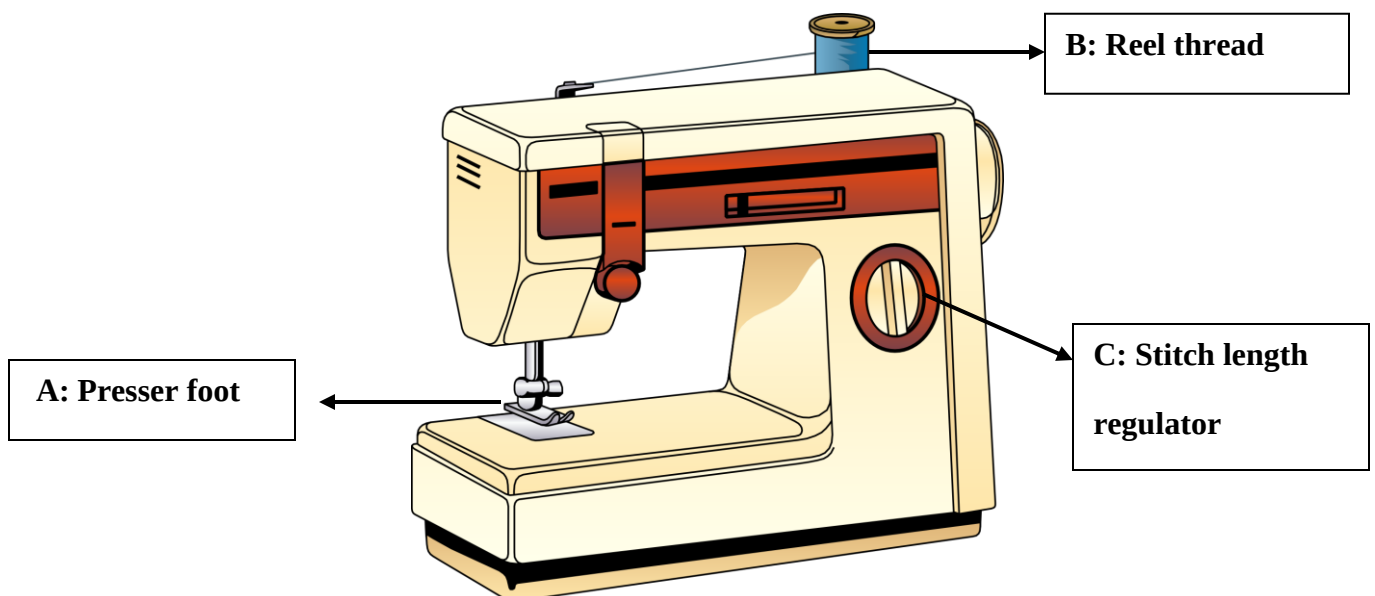


Figure 1: An Electric Sewing Machine

(3 Marks)

(b) Explain **TWO** safety rules that should be observed when using the electric sewing machine. (2 Marks)

1) Hands should be dry when using the sewing machine to avoid electric shock.

2) Fingers should not be too close to the path of the sewing machine needle when sewing.

QUESTION 8 (7 marks)

There are various techniques that are used to decorate and add colour to textiles.

Figure 2 shows a Cushion.



Figure 2: A Cushion

(a) Name the decorative technique that has been used on the Cushion.

Tie and dye Technique

(1 Mark)

(b) Calico fabric has been used to make the cushion.

(i) Give one performance characteristics of Calico Fabric.

Strong fabric

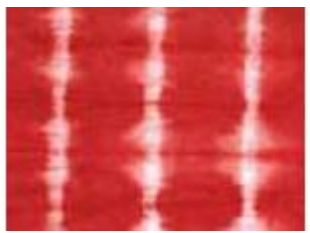
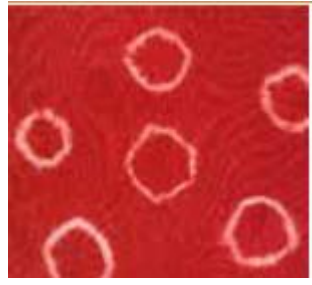
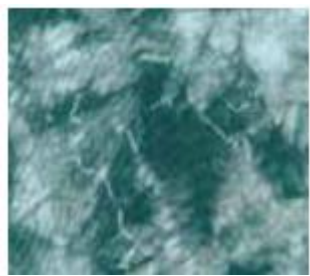
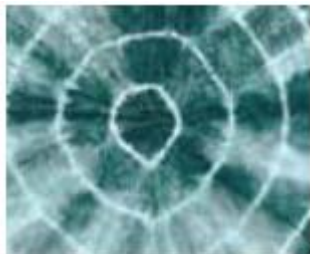
(1 Mark)

(ii) Explain how this performance characteristic makes calico fabric suitable for this textile item.

The textile item will last longer.

(1 Mark)

(c) Write down the method of each dyeing technique for each pattern illustrated below:

Method	Dyeing Technique	Pattern
Bands or Strips		
Dots		
Crumple		
Bulleye		

(4 Marks)

Question 9 (4 marks)

The smart consumer should always read and interpret the information found on labels.

(i) Define the term “Food Label”. (2 Marks)

A food label is found on the packaging of a food item. It is an important communication tool between the consumers and the food manufacturers. (2 Marks)

(ii) State two reasons why it is important to read food labels when buying a food product. (2 Marks)

1) Learn more about the products bought.

2) Make healthy food choices. (2 Marks)

QUESTION 10 (4 marks)

It is important to include vitamins and minerals in our daily diet for the proper functioning of the body.

State one source and one deficiency of:

(i) Calcium

Source: **Milk**

Deficiency: **Rickets**

(ii) Vitamin B

Source: **Cereals**

Deficiency: **Beriberi**

(4 Marks)

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