

**Name:** \_\_\_\_\_

**Time: 2hrs**

**Marks: 80**

**Instructions**

- a. Answer all questions
- b. Wrong answers will be penalised

## Section A

### Question 1 multiple choice questions [1 - 10]

1. The following are examples of needs except for \_\_\_\_\_
  - a. Shelter
  - b. Clothing
  - c. Food
  - d. Car
  
2. Waterborne diseases are diseases that are \_\_\_\_\_
  - a. Found in the air
  - b. Found in an unclean environment
  - c. Found in water
  - d. Not affecting human beings
  
3. \_\_\_\_\_ is an example of a community need.
  - a. Sport ground
  - b. Food
  - c. Clothing
  - d. Car
  
4. One way of satisfying family needs and wants is through
  - a. Budgeting
  - b. Buying food in bulk
  - c. Avoiding debts
  - d. Getting a job
  
5. The three basic food groups are listed below except \_\_\_\_\_
  - a. Energy giving food
  - b. Body building food
  - c. Protective food
  - d. Body nourishing food
  
6. State whether the following are **true** or **false**.
  - a. Saving helps a person to satisfy his/her needs and wants \_\_\_\_\_
  - b. A service is any kind of work done for you by others. \_\_\_\_\_
  - c. There are five (5) stages in the technological design process \_\_\_\_\_

- d. A G- clamp is an example of a holding tool. \_\_\_\_\_
- e. Wood can be used to make wooden window frames. \_\_\_\_\_

### Question 2

Fill in the table below by filling in the empty spaces [10]

Type of tool	Uses of tool	Examples (2)
i) Cutting tool	Cut papers, cut wires	_____
ii) Clamping tool	_____	Stapler, G clamp
iii) Measuring tool	Measure distance	_____
iv) Hammering tool	Hit nails into materials	_____
v) _____	Make surface of a wood smooth	Sand paper

Match the type of material with its product. [10]

Type of Material	Product Made
1. Metal	
2.	Bowls, plates, measuring items
3.	Drinking glasses, bottles, window panes
4. Wood	
5. Fibre	

**Section B**

a. Define the following terms [10]

i) Drama

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ii) Mime

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iii) Tool

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iv) Services

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v) Needs

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b. I) list the six stages of the technological design in chronological order **[6]**

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ii) Why is the fourth stage important?

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iii) Why is it important to test the product after you have completed your project?

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c. i) What is a structure? **[2]**

ii) Differentiate between artificial and natural structures. **[4]**

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iii) Why are structures important? Give two reasons that are clearly discussed. **[4]**

### **Section C – The Technological Design Process**

In my class the windows are uncovered. I usually get disturbed and lose concentration whenever I see my schoolmates moving up and down to the toilet. There is really something that I have to do about this, to save myself from failing. **[10]**

a. Identify the technological need in the story above. [2]

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b. Think of two ways of solving the problem. [2]

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c. Choose the best idea from the two ways you listed above and clearly give a reason that support your choice. [4]

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d. How would you test if the idea you chose in stage 3 worked for you. [2]

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## Section D

Your grandmother will be turning 60 years on the 1<sup>st</sup> of June this year. Design a “**Happy birthday card**” for her, wishing her a happy birthday. Remember to decorate the card.