

Name of the Pupil _____

Name of the School _____

**KEYS EDUCATIONAL AND STATIONERY SERVICES (KESS)
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**FIRST STANDARD FOUR JOINT ASSESSMENT-MAY 2022
SUBJECT: SCIENCE AND TECHNOLOGY**

Time: 1:30 Hour

Thursday, 12th May 2022

Instructions

1. This paper consists of sections **A** and **B** with a total of **four (5)** questions.
2. Answer **all** questions in each section.
3. Write your answers in the space provided in each question.
4. All answers must be written in **blue** or **black** pen.
5. Cellular phones, and any unauthorized materials are **not** allowed in the assessment room.
6. Write your **Name and Name of your School** in the space provided at the top right corner of every page.

FOR EXAMINERS' USE ONLY

QUESTION NUMBER	SCORE	EXAMINER'S INITIALS
1.		
2.		
3.		
4.		
5.		
TOTAL		
ENTERER'S INITIALS		
CHECKER'S INITIALS		



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SECTION A: (30 Marks)

1. Answer the items (i) _ (v) by choosing the correct answer and write its letter in the box provided:

- i. Which of the following activities leads to soil pollution?
 - A. Smoke from industries
 - B. Dumping solid wastes onto the soil
 - C. Planting trees
 - D. Illegal fishing
- ii. What will happen if we do not clean and keep the environment safe?
 - A. Spread of diseases
 - B. Increase of living things
 - C. Getting fresh air
 - D. Growth of plants
- iii. Which of the following diseases are caused by water pollution?
 - A. Lung cancer and cholera
 - B. Malaria and Tuberculosis
 - C. Typhoid and cholera
 - D. Flu and lung cancer
- iv. What effect does charcoal making have on the environment?
 - A. It leads to desertification
 - B. It reduces soil erosion
 - C. It attracts insects
 - D. It prevents rainfall
- v. What should be done to reduce the use of firewood and charcoal as fuel?
 - A. To burn forest and bushes
 - B. To use alternative sources of energy
 - C. To cut and sell the trees
 - D. To make timber from the trees

2. Match the parts of digestive system in LIST A with their functions in LIST B by writing the letter of the correct answer in the brackets provided:

LIST A	ANSWERS	LIST B
i. Pancreas	()	A. Softens food substances by digesting to make a thick liquid
ii. Oesophagus	()	B. Absorbs water and returns it to the body
iii. Anus	()	C. Secretes enzymes important for digestion
iv. Stomach	()	D. Carries chewed food from mouth to the stomach
v. Small intestine	()	E. Digests and absorbs foods nutrients
		F. Removes undigested food substances out of the body
		G. Grinds food substances into small particles



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3. Fill in the blank spaces by choosing the correct answers from the box below

Opaque, Moon, Image, Shadow, Reflection, Sun, Transparent

- i. Bouncing back of light rays on a shiny surface or substance is known as _____
- ii. A dark shape that occurs when light hits an opaque object is called _____
- iii. What is the natural source of heat and light energy? _____
- iv. An object or substance that permits light rays to pass through it called _____
- v. A picture or shape that appears on smooth shining surfaces such as mirrors is called _____

SECTION B: (20 Marks)

4. Read the following passage then answer the items (i)-(v) by writing the correct answers in the spaces provided.

Communication is the way of sending and receiving information through talking, reading or using signs. There are two means of communication, namely traditional communication and modern communication. Traditional means of communication include blowing a horn and beating a drum. Modern means of communication include talking on the phone, watching television and reading newspapers.

Traditional means of communication use various tools such as horns and drums. Modern means of communication use tools such as televisions, newspapers, telephones and computers.

Modern means of communication have advantages over traditional means of communication. For example, many people receive information in a short time. Modern tools can be used to save pictures of various events. Telephones can be used to transfer and receive money. They can also be used to take and store pictures.

Questions

- i. The way of sending and receiving information through talking, reading or using signs is known as _____
- ii. According to the passage you have read above there are how many means of communication? _____
- iii. What are the two tools used in traditional means of communication?
a. _____ b. _____



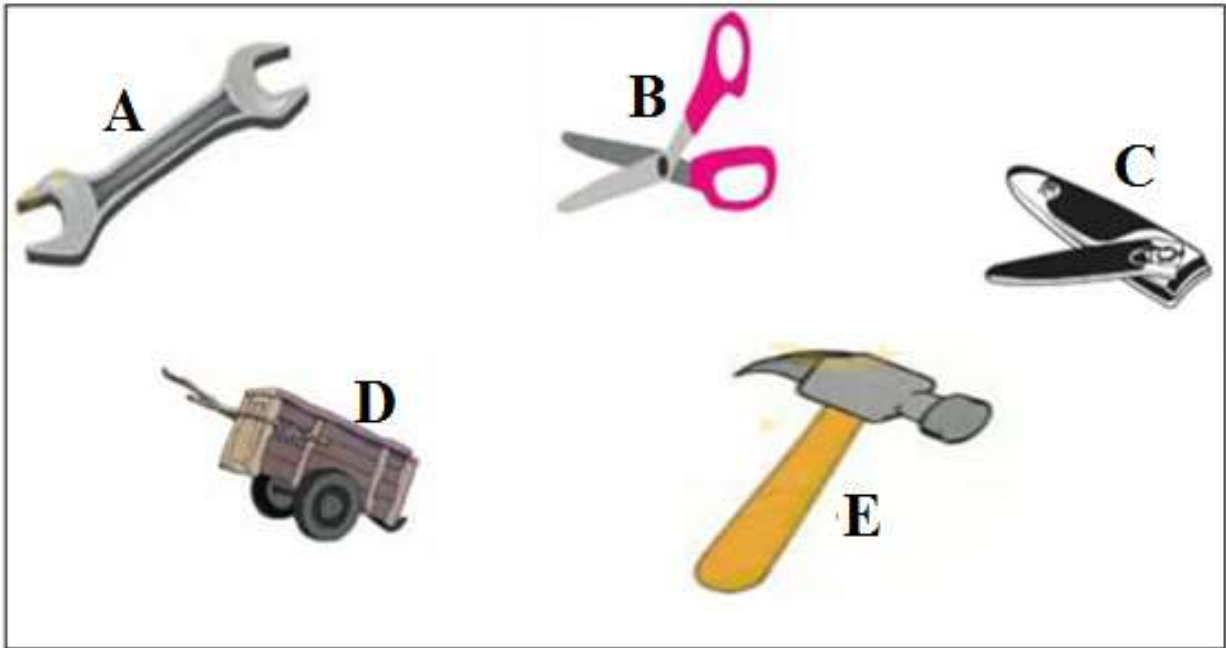
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iv. What advantage do modern means of communication have over traditional means of communication?

v. Which communication tool can be used to transfer and receive money?

5. Observe the simple tools shown by the diagrams below then answer the items (i) to (v) by writing the correct answers in the spaces provided:



Questions

i. What is the name of the simple tool marked A?

ii. What is the simple tool marked C used for?

iii. Jamali wanted to tighten a nut of a bicycle pedal. Which tool among the ones shown above would he use?

iv. A carpenter wanted to drive a nail into a piece of wood. Identify the letter that represents the tool that the carpenter would use to simplify that work

v. What is the name of the simple tool marked D?
