PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
DODOMA TALENTS PRIMARY SCHOOL
STANDARD SEVEN EXAMINATION
SCIENCE AND TECHNOLOGY

Time: 1:30hours **2025**

SECTION A (20 Marks)

1. Answer questions (i) – (x) by choosing the letter of the correct answer and write it in the box provided

i. Amphibian are both aquatic and terrestrial animal while in aquatic environment, amphibian , breathes through
(a) Gills (b) Lungs (c) Lungs and gills (d) Skin (e) Nose [ ]

ii. Which of the following is not the criteria to be considered when constructing an incinerator
(a) To be far from human settlement (b) Being in an area with a lot of wastes
(c) Easily accessible (d) Away from water sources and electric poles
(e) Being in an area with a lot of waste [ ]

iii. Which of the following statement is false about the human circulatory system
(a) Blood in the pulmonary vein has no oxygen
(b) Lungs add oxygen to the blood and remove carbon dioxide from the blood
(c) Blood in the right atrium is deoxygenated
(d) Valves ensure blood flows both forward and backwards [ ]
(e) The blood flows in the vena at a lower pressure than in the aorta

iv. In spreadsheet program, columns are represented by letters and rows by numbers. What do they form when they intersect? [ ]
(a) Worksheet (b) Workbook (c) cell (d) Active cell (e) Formula

v. One of the responsibility of the parents is taking their children to the clinic for treatment children who obtain treatment in the clinics are
(a) Those with albinism only (b) Those with health problems only
(c) All children under five years of age (d) All children above five years of age
(e) With no health problems [ ]

vi. Blood is a fluid tissue which is made up of various components. Which of the following component of blood makes up a large percentage of blood?
(a) While blood cells (b) Mineral salts (c) Plasma
(d) Platelets (e) Platelets [ ]

vii. The double silvery shiny wall of the thermos flask reduces heat loss through which of the following process
(a) Conduction (b) Conduction (c) Radiation

(d) Conduction and convection (e) Convection and radiation [ ]

viii. Asha is a grade four pupils, she was surprised to find the opening edges of freezer and the doors of some cabinets are fixed with magnets. Which of the following do you thing is the reason for this?

(a). To protect the freezer (b) Help to hold the doors tightly

(c) Prevents entrance of air (d) Prevents heat

(e) To prevent things with the nature of iron to pass

ix. The municipal building was destroyed by the fire caused by electrical fault. Which of the following types of fire destroyed the iron sheet? [ ]

(a). Class A fire (b) Class B fire (c) Class C fire (d) Class D fire (e) Class F fire

x. The nervous system is responsible for sending and receiving impulses which of the following parts form the central nervous system?

(a) Spinal cord and vague nerve (b) Brain and optic nerve [ ]

(c) Brain and spinal cord (d) Olfactory nerve and scietic nerve

(e) Auditory nerve and spinal cord

2. Answer question (i) to (v) by matching the statements in group A with their corresponding response in group B

GROUP A	**ANSWER**	**GROUP B**
i. Protect iron materials from rusting	( )	A. Physical change
ii. Grinding chalk into powder	( )	B. Broken items
iii. Nerve found outside the skull and vertebral column	( )	C. Active cell
iv. Collection of many worksheet	( )	D. Chemical change
v. Fragile items	( )	E. Sensory nerves
		F. Peripheral
		G. Work book
		H. I painting

		I. Oxidation

3. Fill in the blanks

i. Waste productions are harmful to the body they are removed out of the body a process known as _____

ii. A type of measurement which depends on the agreement made by the users is known as _____

iii. One of the gases used in industrial preservation of drinks _____

iv. Animals whose body temperature varies according to the temperature of the environment _____

v. A vessel responsible for transporting food from the leaves to different part of a plat for use of storage _____

SECTION B(20 MARKS)

4. Write short answers on the following questions

i. Which type of soil is suitable for farming? _____

ii. Air is one of the components of the soil. What is the percentage of that air in the soil? _____

iii. Which type of soil allows water to pass easily? _____

5. i. Urinary system has two tubes, urethra and ureter what is the difference between the ureter and urethra

_____

ii. Meningitis is a disease caused by bacterial or viruses which two body parts are effected by meningitis _____

iii. Which is the last step giving first aid to a fire victim

_____

6. i. Reproduction is the ability of living things to give rise to one of their own kind state the importance of reproduction

ii. plants require optimum temperature for proper growth write other two requirements for plants growth _____

iii. While using excel program, when you enter data into a cell where else do the same data appear _____

iv. Sorting wastes helps to group wastes based on their nature. Write down two importance of sorting wastes _____

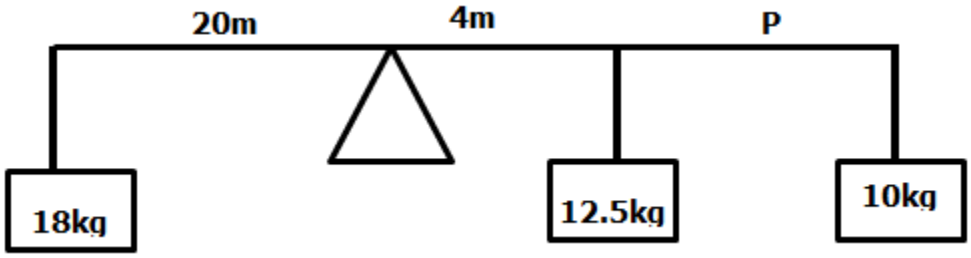
SECTION C (10 MARKS)

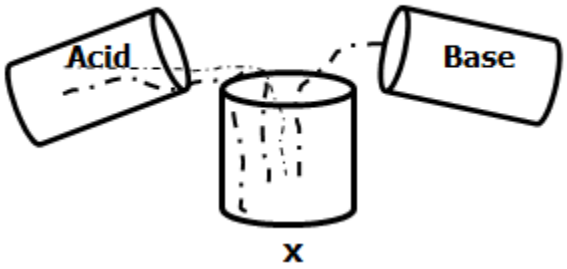
7. i. The density of wood is 0.25kilograms per cubic metresand the mass of the wood is 500g. find the volume of the wood _____

ii. Find the value of P in the figure below_____

iii. In which class of lever is a wheelbarrow? _____

8. st

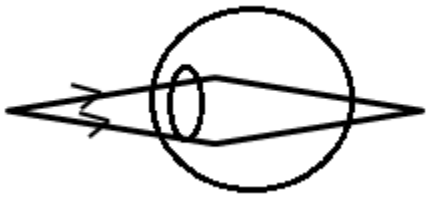




i. which chemicals will be found in the substance marked x in the beaker

_____

ii. Observe the following diagram then answer the question that follows



(a) Identify the defect represented by diagram above _____

(b) How can the defect above be corrected _____