Candidate's Number _____

School's Name _____

THE UNITED REPUBLIC OF TANZANIA

PRIME MINISTER'S OFFICE, REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

DAR ES SALAAM CITY COUNCIL

WARD MOCK ASSESSMENT

FOR STANDARD SEVEN - MARCH, 2026

05E SCIENCE AND TECHNOLOGY

Time: 1 Hour 30 Minutes **DATE:.....**

INSTRUCTIONS

1. This paper consists of sections **A and B** with a total of **Eight (8)** 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 **Number and Name of your School** in the space provided.

FOR EXAMINERS' USE ONLY		
Question Number	**Score**	**Checker's Initials**
1		
2		
3		
4		
5		
6		
7		
8		
Total		

SECTION A: 30 MARKS

1. **Answer question i-x by choosing the letter of the MOST correct answer and write it in the box provided.**

i. There are various diseases that is to say infectious and non infections. Which of the following diseases is caused by either bacteria or amoeba?
(a) Dysentery (b) Ebola (c) Dengue fever
(d) COVID-19 (e) MENINGITIS [ ]

ii. Mammals have got four chambers of the heart. Which of the following organisms has three chembers of the heart?
(a) mammals (b) reptiles (c) amphibians (d) birds (e) fish [ ]

iii. The male reproductive organ is made up of eight parts. Which of the following parts of male reproductive system secretes male gametes?
(a) sperm ducts (b) penis (c) urethra
(d) testes (e) urinary bladder [ ]

iv. Chacha ate ugali so that he can get energy to work. In which part of the digestive system did the end product absorbed?
(a) glucose (b) stomach (c) large intestine
(d) liver (e) small intestine [ ]

v. If you want to conduct a scientific investigation, which will be the last step?
(a) report writing (b) conclusion (c) hypothesis
(d) preparation of materials (e) data analysis [ ]

vi. Aisha sprayed a perfume. Which process will the smell of that perfume spread through?
(a) osmosis (b) diffusion (c) capilarity (d) respiration (e) transpiration[ ]

vii. Mkurulo was in the room when he suddenly heard a bell in the kitchen. When he arrived, he found his wife was on fire. What would he do?
(a) pour cold water on her (b) pour sand on her (c) call fire rescue police
(d) give her honey (e) cover her with heavy blanket to stop the fire [ ]

viii. A pupil carried out an experiment about how light passes through different transparent media. What happened among the following?
(a) reflection (b) transparent (c) dispersion
(d) refraction (e) diverging [ ]

ix. Which of the following safety sign has green colour?
(a) unsafe water (b) explosive (c) danger
(d) exit door (e) eye protection required [ ]

x. The part of a mortise lock that locks and unlocks the door is called_____
(a) deadbolt (b) latch bolt (c) hub
(d) latch spring (e) key [ ]

2. **Match the premises from column A with the correct response in column B and write its letter in space provided.**

	Column A		Column B
i.	Has sour taste	[ ]	A. Base
ii.	Anything which makes a certain place to look dirt	[ ]	B. Sand
iii.	Two wooden sticks tried on a broken part of the body.	[ ]	C. Waste
iv.	Has bitter taste	[ ]	D. Dump
v.	The device used to stop fire	[ ]	E. Splints
			F. Tree
			G. Acid

3. **Use the words in the box below to answer the questions given below after.**

Sickle cell anemia,	**pupa,**	**stomata,**	**nymph**
homoethermic,	**poiklothermic,**	**transpiration**	

i. The act of a plant losing water through stomata_____

ii. Effect of blood circulation system_____

iii. The second stage of incomplete metamorphosis_____

iv. Mammals and birds_____

v. Amphibians and reptiles_____

SECTION B. 20 MARKS.

4. **Write the class of fire of the following burning materials**

i) Methane_____

ii) Petrol_____

iii) Cooking oil_____

5 i. Which lens can be used to start fire?_____

ii. Which device can be used to observe/ see things hidden at the corner?

_____

iii. Which mirror is used in big shops for security purpose?_____

6 i. Which antenna can receive signals which are in analogy format?

_____

ii. Which antenna is not affected by environmental noise? _____

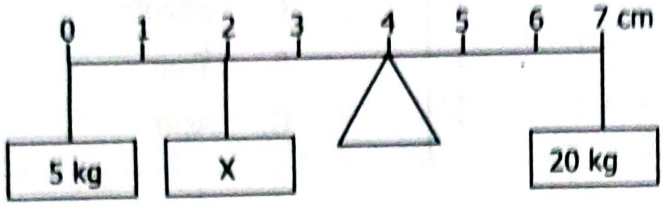
iii. Which antenna is used to receive weather forecasting information signals at the meteorological station? _____

iv. Why copper is used to fubricate antenna? _____

_____

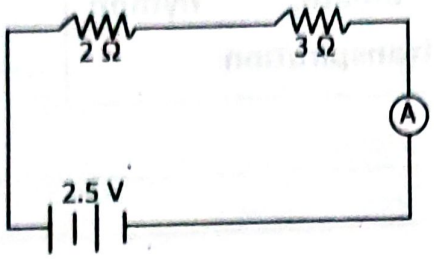
SECTION C. 10 MARKS.

7. i) For the following lever to be in balance, what will be the value of X?



_____

ii. Study the electric circuit below, Calculate the amount of current which pass through the circuit below.

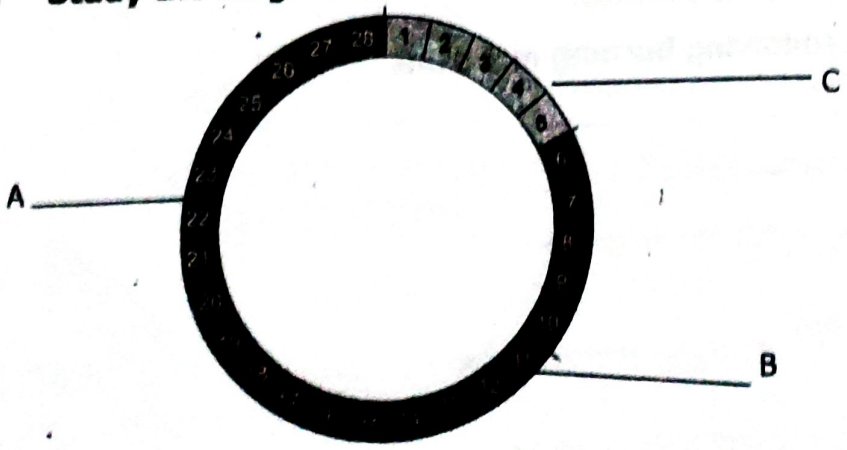


_____

iii. Find the mass of an object with the density of 5kg/m^3 and volume of 7.5 m^3

_____

8. Study the diagram below then answer the questions given.



i. What does the above diagram shows? _____

ii. Which letter represents the process of ovulation? _____