THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF EDUCATION AND VOCATION TRAINING
NYUMBU SECONDARY SCHOOL
FORM ONE MID-TERM EXAMINATION

032 CHEMISTRY

TIME 2:00 HRS Year: 2024

INSTRUCTIONS

1. This paper consists of sections A and B.
2. Answer all questions from both sections.
3. Section A carries twenty (20) marks and section B carries eighty (80) marks
4. Cellular phones are not allowed in the Examination room.
5. Write your name on every page of your answer sheets.

| FOR ASSESSORS' USED ONLY | | |
|---|---|---|
| Questions number | Score | Assessor's initials |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| TOTAL | | |
| CHECHER'S INITIAL | | |

***STUDENT NAME: .....***

SECTION A (20 marks)

1. Write the letter of the correct answer in the box provided for each of the following items:

i. A special room where scientific experiments are conducted
   A. Laboratory
   B. Workshop
   C. School library
   D. Class room

ii. When a chemist studies a substance, he/she is interested in its
   A. force of attraction
   B. shape
   C. smell
   D. properties

iii. Chemical that can burn the skin or destroy metal are called
   A. Toxic
   B. Flammable
   C. Explosive
   D. Corrosive

iv. Immediate treatment or service given to a victim of an accident or sick person before taken to doctor.
   A. Fast track sick person
   B. First Aid
   C. First Aid Box
   D. Red Cross

v. An apparatus used for heating solid chemicals
   A. Test tube
   B. Beaker
   C. Burette
   D. Conical flax

vi. One of the following isn't important of studies chemistry
   A. To know chemical
   B. Manufacture soap
   C. Taking care of homes
   D. To ensure our well being

vii. The following a correct sequence of application for Chemistry except
   A. Factories, homes and hospital
   B. Library, Kitchen and research Centre
   C. Laboratory, home and kitchen
   D. Research Centre, Hospital and home

viii. Chemical sprayed on crops to destroy pests are called
   A. Insecticides
   B. Weed killer

C. Pesticides
D. Detergents

ix. Konki wants to grind the granules of certain chemical to fine powder. Which apparatus is suitable for this activities.
A. Pestle and filter funnel
B. Mortar and Pestle
C. Crucible and lid
D. Spatula and tongs

x. Flammable chemicals are those which:
A. Burn Skin
B. Catch Fire Easily
C. Explode
D. Extinguish Fire.

| i | ii | iii | iv | v | vi | vii | viii | ix | x |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

2. Match each item in List A with a correct response in List B by writing its letter below the number of the corresponding item in the table provided.

| LIST A | LIST B |
|---|---|
| 1.Wire gauze | A. Collect gases |
| 2.Toxic | B. Holding, heating and mixing liquid |
| 3.Bunsen burner | C. Reduce soot during heating |
| | D. Measure small amount of liquid |
| 4. Gas jar | E. Weighting apparatus |
| 5.Dropper | F. Measure heat |
| 6. Flasks | G. Poison |
| 7. Beaker | H. Hold test tube |
| 8. Beam balance | I. Source of heat |
| | J. Add drops in test |
| 9.Thermometer | K. Store Chemical |
| 10.Pipette | L. Sucking liquids |
| | M. Titration |

| i | ii | iii | iv | v | vi | vii | viii | ix | x |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

## SECTION B: (80 MARKS)

SHORT ANSWER QUESTIONS

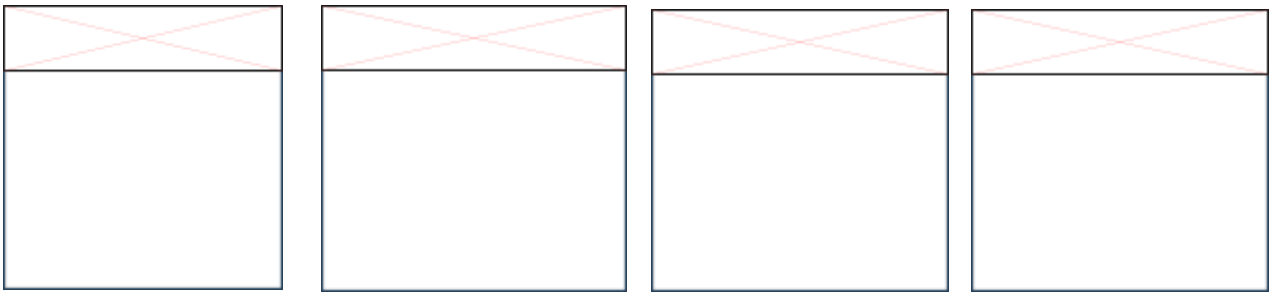
3. a). four caries where chemistry knowledge applied are such as
i. ……
ii. ……
iii. ……

iv. ……

b) There are laboratory rules used before and during practical activities give at least ten of them.

i…….. ii…….
iii……..…… iv……
v…….. vi…….
vii……..……. viii……
ix…….. x…….

4. Draw the warning signs for each of the following



5. Mention at least two laboratory apparatus used in the following process
   a. Measuring volume
      i…….
      ii..…….
   b. Heating
      i……
      ii……..
   c. Testing
      i……..
      ii…….
   d. Filtering
      i……..
      ii…….
6. Fill the following table by naming two apparatus use for store

| Storing liquid | Holding things |
|---|---|
| 1. | 1. |
| 2. | 2. |

7. a) What is the functions of small box found in the laboratory for first aid

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……
……
……

b) Mention five apparatus found in it with their correct function

i……....
ii…….
iii……
iv ……
v …….

8. What is the importance of studying chemistry than other science subject. Give five points.

i……....
ii…….
iii……
iv ……
v …….