**COMPETENCE BASED CURRICULUM**

Kenya Junior Secondary Education Assessment

FORMATIVE ASSESSMENT

TIME

2 HRS

ENDTERM 1

**INTEGRATED SCIENCE**

G7

2024

**SCHOOL:** ……….……………………………………………………..……

**NAME:** ……………….…………………..………………………...………..

**SIGNATURE: ………………ASSESSMENT NO…………………………..**

***RUBRICS (for official use)***

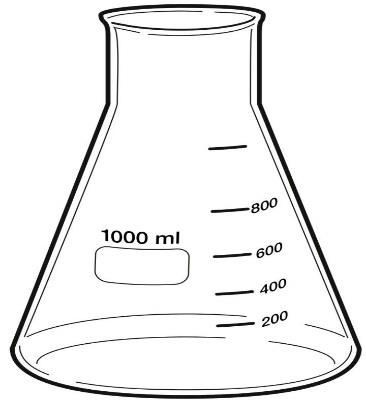
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **MARK SCORE RANGE** | ***Below 40*** | ***40-59*** | ***60-79*** | ***80-100*** |
| **PERFORMANCE LEVEL** | *Below expectation* | *Approaching expectations* | *Meeting expectations* | *Exceeding expectations* |
|  |  |  |  |  |

|  |  |
| --- | --- |
| **OUT OF** | **100%** |
| **LEARNERS SCORE** |  |
| **PERCENTAGE SCORE** |  |
| **PERFORMANCE LEVEL** |  |

**FOR FACILITATOR’S USE ONLY**

**Answer all Questions**

1. State three components of integrated science. (3 mks)
   1. ……………………………………….
   2. ……………………………………….
   3. ………………………………………
2. Outline two laboratory safety measures. (2 mks)
3. ………………………………………….……………………………………………………………………………
4. …………………………………………………………………………………………………………………………
5. Name the following laboratory apparatus.(8mks)













1. State the functions of the parts of a Bunsen burner.(7 mks)

|  |  |
| --- | --- |
| **Part** | **Function** |
| Collar |  |
| Air hole |  |
| Base |  |
| Gas hose |  |

1. State the meaning of the following laboratory hazard symbol. (3 mks)



1. The table below shows the basic quantity, write their SI unit and their symbols.(10 mks)

|  |  |  |
| --- | --- | --- |
| **Basic quantity** | **SI unit** | **Symbol** |
| Mass |  |  |
| Length |  |  |
| Time |  |  |
| Temperature |  |  |
| Electric current |  |  |

1. Calculate the volume of the box below. (3 mks)

5cm

10m

5m

1. What is the density of a solid whose mass is 450grams having a volume of 90cm3?(3 mks)
2. Calculate the area of a piece of land which measures 50m and 100 m.(3 mks)
3. State three units that are used in measuring temperatures. (3 mks)
   1. ………………………………………….
   2. ………………………………………….
   3. ……………………………………….
4. Name four common accidents in the laboratory.(4 mks)
5. …………………………….……………….……………….…
6. …………….……………….……………….……………….…
7. …………….……………….……………….…………………
8. ……………….…………….…………….………………….
9. Name four protective wear for safety in the laboratory.(4 mks)
10. ……………………….…………….…………….…………….…………….…………….…………….
11. …………….…………….…………….…………….…………….…………….…………….…………….
12. …………….…………….…………….…………….…………….…………….…………….…………….
13. …………….…………….…………….…………….…………….…………….…………….…………….
14. Name three laboratory apparatus used for measuring mass of substances.(3 mks)
15. . …………….…………….…………….…………….
16. …………….…………….…………….…………….
17. …………….…………….…………….…………….…
18. Give four differences between luminous and non-luminous flame.(8 mks)

|  |  |
| --- | --- |
| Luminous flame | Non-luminous flame |
|  |  |
|  |  |
|  |  |
|  |  |

1. Name the following parts of the light microscope.( 5 mks)

