COMPETENCE BASED CURRICULUM

7

2024

 JUNIOR SCHOOL

**INTEGRATED SCIENCE** Question paper

2 HOURS

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

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

 **ASSESSMENT NO:** ………….……. **SIGN:** …..……..... **DATE:** ………..….

 ***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**

 **INSTRUCTIONS TO CANDIDATES**

1. Answer all the questions in the spaces provided.
2. Ensure your work is neat.

**QUESTIONS**

* + - 1. Name two laboratory apparatus used for measuring mass of substances.( 2 mks)
	1. ………………………………………..
	2. ………………………………………..
		+ 1. What is the meaning of the following sign?( 3 mks)





* + - 1. Name two careers related to integrated science.(2mks)
1. ………………………….
2. …………………………..
	* + 1. Identify the common lab injury below. ( 1mk)
			2. Calculate the area of the following object.( 3 mks)

 15cm

 10cm

 12cm

* + - 1. Mention two rules you must observe when in the laboratory. (2 mks)
1. ……………………………………………………………………………………………..…..
2. …………………………………………………………………………………………………
	* + 1. Name two heat instruments used in the lab for heating purposes.(2 mks)
3. …………………………………….
4. …………………………….………
	* + 1. State two ways of reducing frictional force between two surfaces.( 2mks)
5. ………………………………………….
6. …………………………………………..
	* + 1. The chart drawn below shows the composition of air in the atmosphere. Use it to answer quiz (a) and (b)
7. Identify the gases labeled(4 mks)

W …………………..………. W X Y Z

 X ………………….………….

Y ……………….…………….

Z ……………………………..

b. Write two uses of gas X. (2 mks)

1. ………………………………………………………………………..
2. ……………………………………………………………………….
	* + 1. State the functions of the following parts of a Bunsen burner.( 5mks)

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

* + - 1. Name two types of blood groups. ( 2mks)
1. ………………………………..
2. ………………………………..
	* + 1. Identify the following parts of the human skeleton. (4 mks)



Tibia

Radius

Skull

Pelvis

Rib

Femur

Humerus

* + - 1. Identify the following parts of a Bunsen burner. (3 mks)
			2. To identify whether a substance is either acidic or basic, we use

……………………………………………………. ( 1mk)

##### State two ways of handling a light microscope. ( 2mks)

1. ……………………………………………………………………….
2. ……………………………………………………………………….
	* + 1. The diagram below shows the human heart. Name the parts(2 mks)

W ……………………………………

Y ……………………………………..

* + - 1. Identify the following lab apparatus. (3 mks)



* + - 1. Name two components of a first aid kit (2 mks)
	1. …………………………………………………………………
	2. ………………………………………………………………..
1. The volume of 2355g of glass was found to be 50cm3.Calculate the density of mercury ( 2 mks)



1. Draw in the meniscus the following readings.(1 mk)

8cm3

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