

**SCHOOL BASED ASSESSMENT  
GRADE 8  
PRE-TECHNICAL STUDIES  
SCORING GUIDE  
October 2024**



**THE KENYA NATIONAL EXAMINATIONS COUNCIL**

**JUNIOR SCHOOL  
GRADE 8**

**School Based Assessment**

**PRE-TECHNICAL STUDIES**

**SCORING GUIDE**

**This paper consists of 7 printed pages.**

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1. **Qualities that make composite materials to be used for making sports equipment include:**

- i. Low in weight
- ii. High strength
- iii. Ease in design

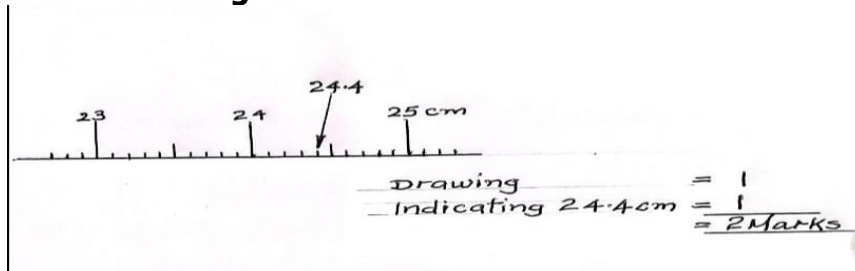
(Any 2x1=2 marks)

2. Identify **three** properties that make ceramic materials suitable for making floor tiles.

- Durability
- Water resistance
- Aesthetics
- Heat resistance
- Low maintenance
- Slip resistance
- Cost effectiveness

(Any 3x1=3 marks)

3. **Steel rule reading 24.4 cm**




(Any 2x1=2 mark)



4. **Hand tools used for trimming the hedge of flowers:**

- Pruning shears (secateurs)
- Pruning saw
- Hedge shears
- Slasher

(Any 2x1=2 mark)

5.

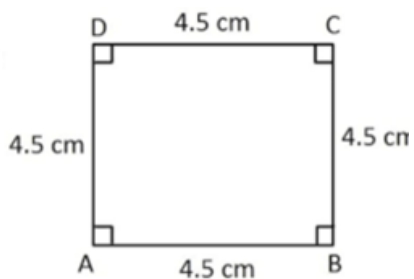
Diagram	Name of tool	Use of tool
	Flat chisel	For removing excess materials e.g when marking mortise and tenon joints, in metals, or cutting/shaping stones for construction

	<p>Hacksaw</p>	<p>For cutting metals, plastics, dowels Trimming bolts and screws</p>
	<p>Hand saw</p>	<p>Cutting pieces of wood Trimming branches Cutting plastics Making joints</p>

6. Fire fighting technique that involves cutting off oxygen supply to the fire.

- a) Smothering
- b) Use of blankets
  - Closing doors and windows
  - Use of sand where possible
  - Releasing inert gases
  - Use of CO<sub>2</sub>

7.



- Draw line AB, 4.5 cm long 1 mark
  - Construct a 90° at point A towards D 1 mark
  - Measure and mark 4.5 cm at point D 1 mark
  - From point B and radius 4.5 cm draw an arc above ½ mark
  - From point D and radius 4.5 cm draw an arc horizontally to get point C ½ mark
- ABCD is the complete square.

8. Sources of personal income include

- i. **Personal savings**
- ii. **Inheritance**
- iii. **Loans**
- iv. **Donations**
- v. **Grants**

(Any 2x1=2 marks)

**9. Sources of information about potential customers include:**

- i. Surveys
- ii. Conduct interviews with existing customers
- iii. Consumer reports
- iv. Social media mentions/reviews
- v. Customer observation
- vi. Information from competitors.

(Any 3 x 1 = 3 marks)

**10. Benefits of Mwalimu Wholesaler to Pendo who is a producer include:-**

- i. They will buy Pendo's products in bulk.
- ii. They help in reducing marketing cost by carrying out advertising and promotions.
- iii. They will expand the market for Pendo products since wholesaler have a wider network of customers.
- iv. Mwalimu Wholesaler may take risks on behalf of Pendo such as market fluctuations.
- v. Wholesalers carryout customer feedback about the product thus giving relevant information to Pendo as a producer.

(Any 3 x 1 = 3)

**11. Mwenda Pesi Traders statement of financial position**

a) Capital = Assets – Liabilities

Assets

Ksh105,000+ Ksh300,000+ Ksh23,000= Ksh428,000

Liabilities

= Ksh428,000 – Ksh222,000

= Ksh206,000

(3 ticks x 1 = 3 marks)

b) Mwenda Pesi Traders  
Statement of Financial Position  
As at 31<sup>st</sup> December 2023

	Ksh		Ksh
Machinery	105,000	Capital	206,000
Building	300,000	Loan	150,000
debtors	23,000	Creditors	72,000
	428,000		428,000

(8 x ½ = 6 marks)

**12. a) Types of visual programming applications that Peter could have used.**

- Scratch
- Sprite box
- Microsoft MakeCode

(Any 2 x 1 mark = 2 marks)

**b) The feature that he would use for:**

i) Changing the costume of the sprite.

- Looks

(1 x 1 =1 mark)

ii) Making the sprite move on the stage.

- Motion

(1 x 1 =1 mark)

-

**13. a) Ways of stopping loss of data due to virus infection**

- installing antivirus software to regularly scan and remove viruses from a computer.
- Creating backups of data stored in a computer in order to recover it in case of virus infection.
- Updating software regularly to prevent infections by computer viruses.
- Avoiding downloading attachments or clicking unknown links as they may contain viruses.
- Avoid using external storage media without scanning them for viruses.

(1 x 2 mark = 2 marks)

**b) benefit of storing data in an electronic device**

Benefits of storing data in an electronic device

- Easy retrieval of data from anywhere and at any time.
- Saves on storage space as large volumes of data can be stored in a storage device or internal memory of the computer.
- Easy sharing of data between users.
- Enhanced data security through use of passwords and other access controls.

(1 x 1 mark = 1 mark)

- 14.** a. spreadsheets  
b. word processing,  
c. communication software

(1 x 3 = 3 marks)

**15.**Types of views

- Normal view
- Slideshow view
- Slide sorter view
- Outline view
- Notes page view

(1 x 2 = 2 marks)

**SCORING RUBRICS  
PRE-TECHNICAL STUDIES  
GRADE 8  
SBA**

Abilities Strand	Exceeding Expectation (4)	Meeting Expectation (3)	Approaching Expectation (2)	Below Expectation (1)	Question Number	Score
<b>Pre-Technical Studies</b>	Any learner scoring 20 to 23 out of 23	Any learner scoring 12 to 19 out of 23	Any learner scoring 7 to 11 out of 23	Any learner scoring 0 to 6 out of 23	1, 2,3,4,5,6,7	<b>23</b>
<b>Business Studies</b>	Any learner scoring 13 to 15 out of 15	Any learner scoring 7 to 12 out of 15	Any learner scoring 4 to 6 out of 15	Any learner scoring 0 to 3 out of 15	8,9,10,11	<b>15</b>
<b>Computer Studies</b>	Any learner scoring 10 to 12 out of 12	Any learner scoring 7 to 9 out of 14	Any learner scoring 4 to 6 out of 14	Any learner scoring 0 to 3 out of 12	12,13,14,15	<b>12</b>

**THE KENYA NATIONAL EXAMINATIONS COUNCIL  
JUNIOR SCHOOL – GRADE 8  
PRE-TECHNICAL STUDIES  
ASSESSMENT SHEET**

Learner's Name		Pre-Technical Studies (Question 1,2,3,4,5,6,7)		Business Studies (Question 8, 9,10,11)		Computer Studies (Question 12,13,14,15)		Total Score Out Of 50
		Score	Performance Level	Score	Performance Level	Score	Performance Level	
1.								
2.								
3.								
4.								
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