

**SCHOOL BASED ASSESSMENT
GRADE 7
PRETECHNICAL STUDIES
SCORING GUIDE
October 2026**



THE KENYA NATIONAL EXAMINATIONS COUNCIL

GRADE 7

School Based Assessment

PRE-TECHNICAL STUDIES

SCORING GUIDE

This paper consists of 7 printed pages.

1. Reasons for studying Pre-technical in junior school is to:

- a) To acquire skills in use of materials, tools and equipment in the technical field
- b) To develop creativity and innovation in designing and making useful products
- c) For learners to be introduced to the occupations and careers in technical field

Any other correct reason

3 x 1=3 marks

2. Career in the technical field are:

- a) Building construction
- b) Electrical engineering
- c) Mechanical engineering
- d) Civil engineering
- e) Plumbing
- f) Automotive

Any 3 x 1= 3 marks

3. Lines used in the drawing

P-Centreline shows the centre of a circle.

Q-Outline shows the visible outline of the object.

R-Hidden line shows parts which cannot be seen when viewing from the given side.

S-Extension line shows the extent of the dimension.

4 correct responses x 1= 4 marks

4.

S/No	Item	Material
a)	Geometrical set	Metal
b)	Ruler	Plastic
c)	Waste part of a door frame	Wood
d)	Broken windowpane	Glass

4 correct responses x 1= 4 marks

5. Ways of keeping tools safely in the workshop are:

- a) By storing in the toolboxes
- b) Use of tool racks
- c) Use of tool cabinets
- d) Hanging tools on pegboards

Any 3 x 1= 3 marks

6. Abbreviations used in drawing:

R- Radius

NTS – Not to scale

CL - Centre line

3 correct responses x 1= 3marks

7. Use of each tool

S/No	Name of tool	Use of tool
a)	Scriber	To mark or scratch fine lines on metal surfaces before cutting, drilling or shaping.
b)	Measuring tape	To measure length, width or distances when marking out.
c)	Handsaw	To cut timber and other soft materials to the required size and shape.
d)	Hand file	To remove small amounts of material, smooth rough edges and shape metals and other materials.

4 correct responses x 1 = 4 marks

8. Properties of metals that can be used to distinguish them from other materials:

- a) Strength
- b) Hardness against scratch
- c) They conduct heat
- d) They conduct electricity
- e) Shiny or bright appearance

Any 3 correct responses x 1 = 3 marks

9. Factors learners would consider in determining the size of the production units they saw include: -

- i) Production cost: the higher the production cost, the bigger the size of the unit, the lower the production cost the smaller the size of the unit
- ii) Resource availability in the production unit; the more/less resources used/invested in production it dictates the size of the unit.
- iii) Technology used in the production; the more/less utilization of technology in the production unit it determines the size of the unit.
- iv) Market it serves; if the unit serves a large/small market, it determines its size.

(Any 3 x 1 = 3 marks)

10. Qualities of an entrepreneur that Mwanahamisi demonstrates include: -

i) Creativity

Mwanahamisi shows creativity by introducing mini-cakes and small doughnuts to attract more customers.

ii) Good customer relations

She treats his customers politely and respectfully.

iii) Hard work/time conscious

She works long hours at the bakery.

iv) Determination

She does not give up even when ingredients become expensive.

v) **Problem-solving**

When business is slow, she thinks of new ideas to improve sales.

vi) **Adaptable to change**

She explores different ideas by introducing mini-cakes and small doughnuts as a new way of managing her business.

(Any 3 x 1 = 3 marks)

11. Financial goals Amani would set to help her personal development include:-

- i) Save some amount of the weekly allowance and this will help in self-discipline and habit of saving.
- ii) Set a clear goal to save enough for the school bag, this will assist in planning ahead and prioritizing needs.
- iii) Limit how much is spent on snacks and toys each week, this will enable differentiating between needs and wants.
- iv) Set aside some money for unexpected needs as emergencies. This will help feel prepared and responsible.
- v) Keep a simple record of how money is received, how much is saved and how much is spent. This will bring out good money/financial management skills that will be useful in future.

(Any 3 x 1 = 3 marks)

12. a) - Hacking

- Unauthorised access

(Any 1 x 1 = 1 marks)

b) - Avoid connecting to public networks.

- Make his laptop undiscoverable when using public networks

(Any 1 x 1 = 1 marks)

13. a) – Microphone

- Speaker
- Projector/ Screen /Display screen
- Computer

(Any 3 x 1 = 3 marks)

b) – Microphone and speaker- reach a wider audience

- Display screen/ Projector – display information to a wider audience.
- Computer – prepare and store information to be displayed.

(Any 2 x 1 = 2 marks)

14. a) Removable storage / (accept any named removable storage device)
b) Printer
c) Digital camera
d) Display screen/ Projectors.

(Any 4 x 1 = 4 marks)

15. a) - Laptop/ Microcomputer

(Any 1 x 1 = 1 marks)

- b) -Portable
- Faster in performing tasks
- Has adequate storage
- For personal use

(Any 2 x 1 = 2 marks)

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**SCORING RUBRICS
PRE-TECHNICAL STUDIES
GRADE 7
SBA**

Abilities Strand	Exceeding Expectation (4)	Meeting Expectation (3)	Approaching Expectation (2)	Below Expectation (1)	Question Number	Score
Pre-Technical Studies	Any learner scoring 25 to 27 out of 27	Any learner scoring 15 to 24 out of 27	Any learner scoring 10 to 14 out of 27	Any learner scoring 0 to 9 out of 27	1, 2,3,4,5,6,7,8	27
Business Studies	Any learner scoring 8 to 9 out of 9	Any learner scoring 5 to 7 out of 9	Any learner scoring 3 to 4 out of 9	Any learner scoring 0 to 2 out of 9	9,10,11	09
Computer Studies	Any learner scoring 12 to 14 out of 14	Any learner scoring 8 to 11 out of 14	Any learner scoring 5 to 7 out of 14	Any learner scoring 0 to 4 out of 14	12,13,14,15	14

THE KENYA NATIONAL EXAMINATIONS COUNCIL
JUNIOR SCHOOL – GRADE 7
PRE-TECHNICAL STUDIES
ASSESSMENT SHEET

Learner's Name/Assessment Number		Pre-Technical Studies (Question 1,2,3,4,5,6,7,8)		Business Studies (Question 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.								
5.								
6.								
7.								
8.								
9.								
10.								
11.								
12.								