SCHOOL BASED ASSESSMENT
GRADE 8
PRETECHNICAL STUDIES
SCORING GUIDE
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THE KENYA NATIONAL EXAMINATIONS COUNCIL

GRADE 8

School Based Assessment

PRE-TECHNICAL STUDIES

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1. Methods of putting off fire are :

i. **Removing heat -** Cooling
ii. **Removing oxygen -** Smothering
iii. **Removing fuel-** Starving
iv. **Stopping the chemical reaction** – Using dry chemical agents

Any 3 x 1 = 3 marks

2. Items of furniture made using composite materials include:

i. Desks
ii. Chairs
iii. Laboratory stools
iv. Computer tables/desks
v. Library tables
vi. Cupboards
vii. Benches

Any 4 X ½ = 2 marks

3. Lines used in dimensioning are:

i. **Dimension line**- shows the extend of the dimension
ii. **Extension line**-indicates the points between which the dimension/measurement is taken
iii. **Leader line** -used to connect a dimension, note, or description to a particular feature of the drawing.
iv. **Centreline** –indicates the centre of circles, arcs, holes or symmetrical features

Any 3 X 1 = 3 marks

4. Cutting tools used for cutting wood are:

i. Hand saw
ii. Tenon saw
iii. Chisel
iv. Coping saw
v. Hand file

Any 4 X ½ = 2marks

5. Construction of a square involves the following steps:

i. Draw line AB 40 mm. 1 mark
ii. Construct a perpendicular at points A and B. 1 mark
iii. Measure 40 mm from point A to get point D. ½ mark
iv. Measure 40 mm from point B to get point C. ½ mark
v. Join points C and D then complete the square. 1 mark

6. Geometrical shapes that can make composite shapes

a) Triangle
Square
Rectangle
Circle — Any 2 x 1= 2 marks

b) Properties of the shapes
Triangle is made up of 3 lines joined together
Square has all the four lines equal and drawn at right angles
Rectangle has four side with two opposite sides being equal
Circle consist of a centre and a radius — Any 2 x 2 = 4 marks

7. Uses of a try square are:

i. Checking right angles (90^o)
ii. Marking right angles
iii. Checking for squareness
iv. Testing for straightness — Any 3 X 1 = 3 marks

8. Ethical practices from the scenario include: -

i. Honesty as Mrs. Jeptoo communicates openly with her suppliers and customers.
ii. Integrity, as she chose to do the right thing by not using the spoiled flour and informed the supplier.
iii. Transparency by sharing experiences with both the supplier and customers.
iv. Gratitude both from the supplier, customers and Mrs Jeptoo.

(Any 3 x 1 = 3 marks)

9. A simple budget for Juma.

Needs	
Storybook	Ksh 180
Pens and pencils	Ksh 100
Exercise book	Ksh 100
School bag	Ksh 200
Wants	
Watch	Ksh 100
Soda	Ksh 50
Biscuits	Ksh 100
Toy	Ksh 100

(NB: The learners can come up with the budget based on their preference; however, they should begin with the needs and then wants. 8 x ½ = 4 marks)

10. Factors that an entrepreneur will consider in selecting a suitable market for the product include:-

i. Market size and its growth
ii. Availability of transport to the market
iii. Competition
iv. Distribution channels

(Any 3 x 1 = 3 marks)

11. From the shopkeeper's scenario

a) Cost price
Price x quantity
30 x Ksh. 80 = Ksh. 2,400 (two ticks x ½ = 1 mark)

b) Selling price
Quantity x Selling price
30 x 100 = Ksh. 3,000 (two ticks x ½ = 1 mark)

c) Profit = selling price – cost price
Ksh. 3,000 – Ksh. 2,400 =Ksh. 600 (two ticks x ½ = 1 mark)

d) Cash transactions - making payments upon receiving sugar. (1 x 1 = 1 mark)

Credit transactions - paying after a few days (1 x 1= 1 mark)

12. a) Computer virus. (1 x 1 = 1mark)

b) i) Using antivirus software
ii) Using a password.
iii) Running software updates regularly.
iv) Creating a data backup. (Any 2 x 1 = 2 marks)

13. a) Sum is 10 + 8 = 18 (1 x 1 = 1 mark)

b) 11 years old: Proceed to level 5 (1 x 1 = 1 mark)

9 years old: Underage; cannot proceed to level 5

14. a) System software

- Monitors and controls the operations of the computer.

Application software

- Aids in carrying out tasks in the computer.

(Score when the two points are given) (2 x ½ = 1 mark)

b) Activity A: Word processing software (1 x 1 = 1 mark)

Activity B: Spreadsheet processing software (1 x 1 = 1 mark)

Activity C: Presentation software (1 x 1 = 1 mark)

15. a) = SUM (B2:D2) (1 x 1 = 1 mark)

b) = AVERAGE (B2:B5) (1 x 1 = 1 mark)

c) = Drag and drop the formula (1 x 1 = 1 mark)

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