

**SCHOOL BASED ASSESSMENT
GRADE 8
PRE-TECHNICAL STUDIES (V.I)
October 2026**



**THE KENYA NATIONAL EXAMINATIONS
COUNCIL**

SCHOOL BASED ASSESSMENT

FOR VISUALLY IMPAIRED

PRE-TECHNICAL STUDIES

Learner's Name:

Assessment No: **Date:**

Instructions to learners

- (a) This paper consists of 15 questions.*
- (b) Answer all the questions in the spaces provided.*
- (c) Answer the questions in English.*

FOR TEACHER'S USE ONLY

Scoring Grid

Tasks	Task 1 Technical Studies	Task 2 Business Studies	Task 3 Computer Studies	Total scores
Question(s)	1,2,3,4,5,6,7	8,9,10,11	12,13,14,15	
Max. Score(s)	23	15	12	50
Learner's score				

This paper consists of 4 printed pages.

The learner should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

1. Fire outbreak is one of the cases that cause closure of schools. Explain **two** methods of putting out such a fire. (3 marks)
2. Composite materials are used for making furniture used in schools. Name **four** items of furniture that may be made using composite materials. (2 marks)
3. types of lines used in dimensioning of drawing. (3 marks)
4. Cutting tools are among the tools which are most commonly on a day to day basis by technicians in workshops. Name **four** cutting tools found in a workshop for cutting wood. (2 marks)
5. Grade 8 learners were asked by their teacher to construct a square whose length is 4 cm using a compass and ruler only. Construct the square as required by the teacher. Measure and dimension the diagonal of the square. (4 marks)
6. Composite shapes are important in drawing because many items are made of composite shapes.
 - a) Name **two** methods of dimensioning composite shapes. (2 marks)
 - b) Name **four** lines that may be used to dimension composite shapes (4 marks)
7. A try square is one of the tools which is used quite often when fabricating items in the workshop. State **three** uses of a try square in the workshop. (3 marks)
8. Jeptoo owns a bakery. She received a spoiled batch of flour from her supplier. Instead of using it, she informed the supplier, who apologized and sent another batch to her. Jeptoo also shared the case with her customers due to delayed deliveries. Identify **three** ethical practices from the above scenario. (3 marks)

9. On the school opening day, Juma, a Grade 8 learner, was given Ksh. 980 to buy items he needed. His list contained the following items:

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

Prepare a simple budget for Juma. (4 marks)

10. An entrepreneur wants to introduce a new product to the market. Highlight **three** factors the entrepreneur will have to consider in selecting a suitable market for the product. (3 marks)

11. A shopkeeper purchases 30 packets of sugar from a wholesaler at a cost price of Ksh 80 per packet. Later, the shopkeeper sells each packet to customers at a selling price of Ksh 100. Some customers pay immediately when they receive the sugar, while others pay after a few days.

a) How much money does the shopkeeper spend to buy the sugar? (1 mark)

b) How much money does the shopkeeper receive after selling all the 30 packets? (1 mark)

c) How much profit does the shopkeeper make? (1 mark)

d) Identify a cash transaction and a credit transaction from the scenario. (2 marks)

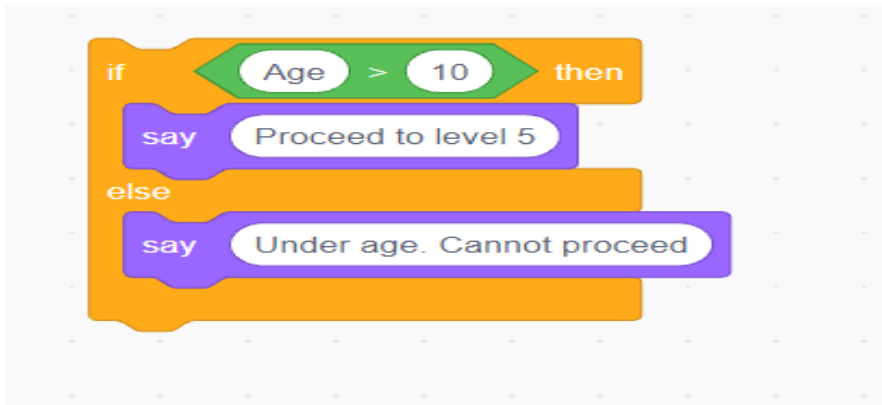
12. A teacher used a borrowed flash disk to transfer data from one computer to another. The computer then started displaying unfamiliar graphics and error messages on the screen.

a) What was the possible cause of this behaviour? (1 mark)

b) State **two** ways of protecting data in electronic devices. (2 marks)

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13. State the output of the following instruction given the specified inputs.



- a) If age is 11 years old. (1 mark)
- b) If age is 9 years old (1 mark)

14. After acquiring a new laptop, Jane was instructed to install system software and application software.

- a) Explain the need for the two types of software on the laptop. (1 mark)
- b) A school requires software for the following activities:
 - Activity A: Writing letters and memos to parents.
 - Activity B: Analysing learners' scores after assessments.
 - Activity C: Creating animated texts and pictures for lesson delivery.

State the appropriate software for each activity.

- Activity A: _____ (1 Mark)
- Activity B: _____ (1 mark)
- Activity C: _____ (1 mark)

15. Study the extract below and answer the questions that follow:

	A	B	C	D	E
S/No.	Name	Math	Eng	Kis	Total
1.	Tom	80	60	40	
2	Jane	65	70	50	
3.	Paul	77	82	50	
4.	Peter	70	65	65	
5.	MEAN				

- a) Write the formula for calculating the total marks for Tom in cell E2. (1 mark)
- b) Write the formula for getting the mean for Math in cell B6. (1 mark)
- c) Explain how you would fill in cells C6 and D6 with the mean. (1 mark)

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