THE 47 COUNTIES C1 SCHOOLS' JOINT NATIONAL SBA ASSESSEMENT

KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

TERM 2: MIDTERM ASSESSMENT 2026

GRADE 10 – WOOD TECHNOLOGY

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your name in the spaces provided above.
2. Write the name of your school and your stream in the spaces provided.
3. Write your admission number and the date of the assessment in the spaces provided.
4. This paper consists of two sections: A and B.
5. Answer all questions in section A and section B.
6. Answer the questions in English.
7. All answers MUST be written in the spaces provided in the paper.
8. Do NOT remove any page from this question paper.

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	30 MARKS	50 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. A Grade 10 learner from Jitegemee Senior School put on the PPE below.



(a) Identify the PPE worn by the learner and state its specific use when using a circular saw. (2 marks)

PPE: _____.

Use: _____.

(b) Circle the correct reason why Student D is wearing an apron: (1 mark)

A. To look professional.

B. To protect clothes from dust and sharp wood splinters.

C. To keep the workshop clean.

2. (a) Match the tool in Column X with its correct classification in Column Y. (4 marks)

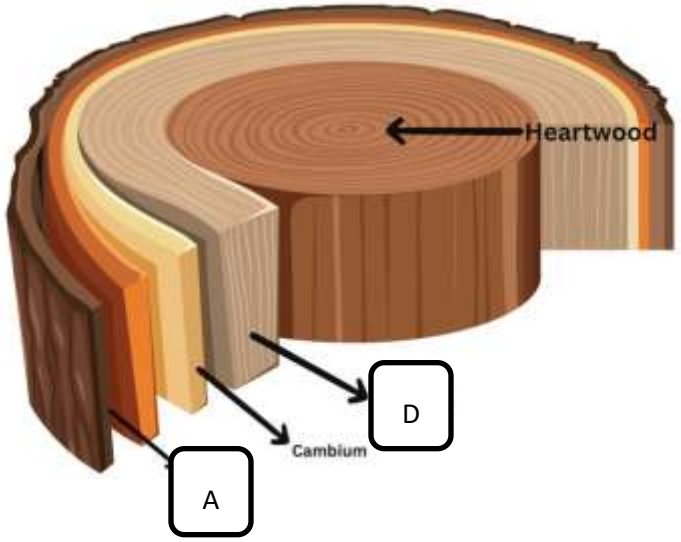
Column X (Tool)	Column Y (Classification)
i. G-Clamp	A. Impelling Tool
ii. Claw Hammer	B. Holding/Clamping Tool
iii. Jack Plane	C. Boring Tool
iv. Ratchet Brace	D. Planing Tool

(b) List two maintenance practices for a Jack Plane. (2 marks)

i. _____.

ii. _____.

3. (a)



Name the parts labeled A and D. (2 marks)

A: _____. D: _____.

(b) State whether the following are True or False: (4 marks)

i. Softwood trees usually have needle-like leaves. [_____]
ii. Hardwood trees are mostly evergreen. [_____]
iii. The Pith is the oldest part of the tree. [_____]
iv. Annual rings are used to determine the age of a tree. [_____]

4. (a) Define the term Timber Seasoning. (2 marks)

_____

_____

(b) Identify the method of timber conversion shown in the diagram below. (1 mark)

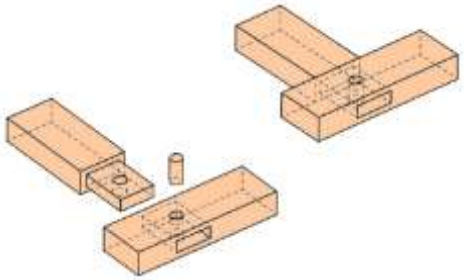


Method: _____

(c) Outline two dangers of growing tall timber trees very close to the main highway. (2 marks)

i. _____.

a. Identify the joint shown in the image below and name one fastener used to strengthen it. (2 marks)



Joint Name: _____.
Fastener: _____.

b. Tick (✓) the correct adhesive used for external furniture exposed to rain. (1 mark)

i. Animal Glue [ ]

ii. PVA Glue [ ]

iii. Synthetic Resin [ ]

c. List three benefits of studying Woodwork Technology in Senior School. (3 marks)

i. _____.
ii. _____.
iii. _____.

d. Underline the career that is NOT directly related to Woodwork: (1 mark)

Carpenter Joiner Pharmacist Furniture Designer Wood Turner.

e. Name the cutting tool shown below. (1 mark)



_____

f. Define "Beveling" as a timber process. (2 marks)

_____

SECTION B (50 MARKS)

6. Mr. Omondi, the Woodwork teacher at Mtito Andei Senior School, wants to redesign the workshop layout to improve safety and efficiency.



(a) Use the diagram below to analyze the layout. Identify two features that are misplaced for a safe workflow and explain why. (4 marks)

i. _____.

ii. _____.

(b) Describe three reasons why a workshop should have a "First Aid Kit" and a "Fire Extinguisher" clearly labeled and accessible. (6 marks)

i. _____

ii. _____

iii. _____

(b) Suggest one way the layout can be improved for a learner using a wheelchair. (2 marks)

_____

_____

7. Chief Mutua has donated a Eucalyptus log to the school for making desks. The log has a high moisture content and needs seasoning.

(a) The original weight of a wood sample was 500g. After oven-drying, the weight became 400g.

Calculate the Moisture Content (MC) percentage using the formula: (6 marks)

(b) Sketch and label the Quarter Sawing method of conversion. (4 marks)

Explain one advantage of this method over Through and Through sawing. (2 marks)

_____

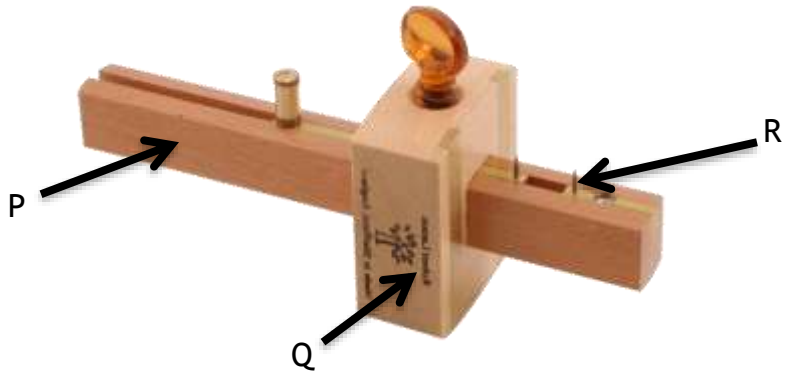
_____

(c) Distinguish between Hardwoods and Softwoods based on their physical features.(2 marks)

Hardwood	softwood

8. A learner, Amina, is preparing a piece of timber to make a picture frame. She needs to follow the "Face Side, Face Edge" procedure.

(a) Look at the tool below.



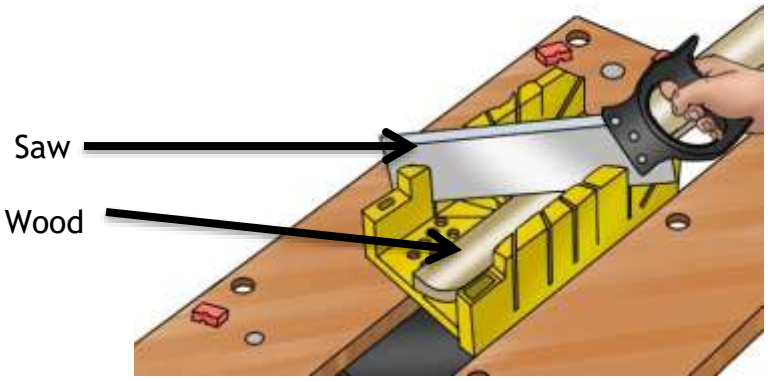
Name the parts labeled P, Q, and R. (3 marks)

P : _____.
Q : _____.
R : _____.

(b) Outline the step-by-step procedure Amina should follow to "turn up the stock". (6 marks)

i. _____.

(c) Identify the operation shown in the picture where a learner is cutting a 45-degree angle at the end of a piece of wood. (1 mark)



_____

(d) Name two tools used for "Boring" holes in wood. (2 marks)

i. _____.
ii. _____.

9. The school needs to repair wooden dining tables. Some joints have widened, and some legs are broken.

(a) Sketch a "Bridle Joint" and

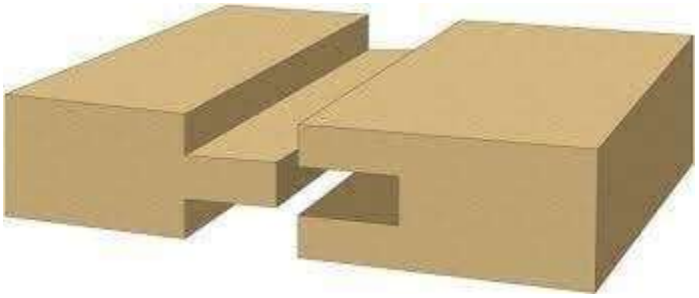
State where it is commonly used in furniture making. (5 marks)

_____

(b) A learner suggests using Nails and Screws for the repair. Compare the two fasteners in terms of holding power and ease of removal. (4 marks)

	Nails	Screws
Holding power		
Ease of removal		

(c) Identify the "Widening Joint" shown below used to make a tabletop. (1 mark)



_____

(d) State two safety precautions when using contact adhesives (glue). (2 marks)

i. _____.
ii. _____.

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NOVEMBER/DECEMBER HOLIDAY REVISION

TRIAL 3 REVISION QUESTIONS

For Marking Schemes, Contact:

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HAPPY HOLIDAYS!!