

KENYAPLEX EXAMS

KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

TERM 2: ENDTERM 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

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. Four learners at **Kapkabut Senior School** in **Iten** are discussing their future careers after the Wood Technology course.
 - ☉ **Maina:** "I want to design and build high-end office furniture."
 - ☉ **Cherono:** "I want to work in the forest department ensuring timber trees grow to maturity."
 - ☉ **Mutua:** "I want to be an Architect, creating drawings for timber-framed houses."
 - ☉ **Wambui:** "I want to start a business selling specialized wood adhesives and finishes."

(a) **Identify** the specific career path for each learner: (4 marks)

☒ Maina: _____

☒ Cherono: _____

✂ Mutua: _____

✂ Wambui: _____

(b) **Mention** one way Wood Technology contributes to Kenya's economy. (1 mark)

2. A Grade 10 class at **Muranga Boys** is designing their new workshop layout.

(a) **Identify** the feature labeled **X** in the workshop diagram above. (1 mark)



(b) **State** two reasons why it is important to observe safety rules in a wood workshop. (2 marks)

(i) _____

(ii) _____

(c) **True/False:**

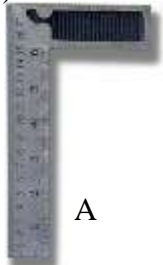
The "First Aid Kit" should be kept in a locked cupboard where students cannot reach it. [_____] (1 mark)

(d) **Name** the safety equipment shown below: (1 mark)



3. A technician at **Nyeri High School** has laid out tools for a marking-out exercise

(a) **Name** the tools: (3 marks)



A



B



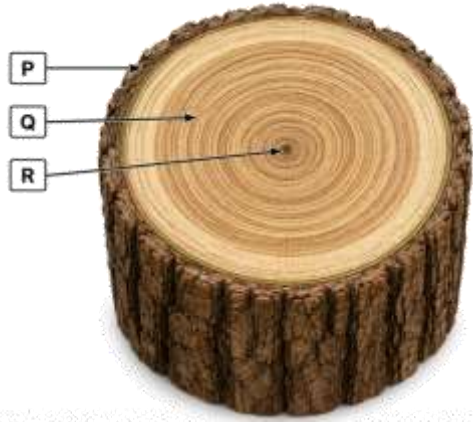
C

A: _____ B: _____ C: _____

(b) **Classify** tool C based on its function. (1 mark)

(c) **Identify** the tool used to hold a piece of wood firmly to the workbench while sawing. (1 mark)

4. During a nature walk in **Mau Forest**, learners observed a cross-section of a fallen tree.



(a) **Identify** the parts: (3 marks)

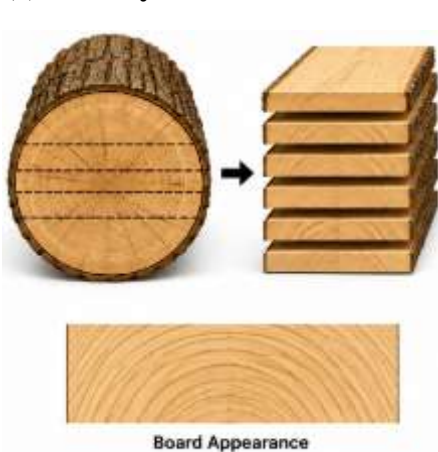
P: _____ Q: _____ R: _____

(b) **Distinguish** between Softwoods and Hardwoods based on their physical leaves. (2 marks)

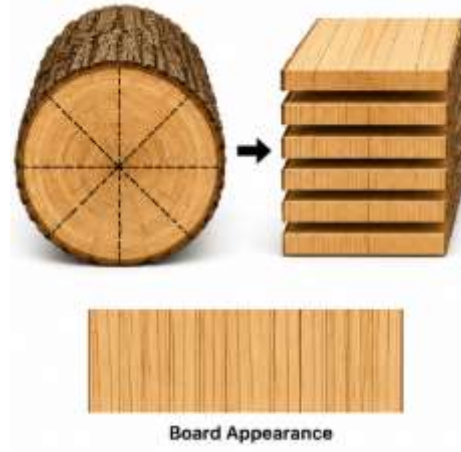
Softwood	Hardwood

5. A sawmill in **Eldoret** uses different methods to cut logs into timber.

(a) **Identify** the conversion methods: (2 marks)



Method X: _____



Method Y: _____

(b) **Explain** why timber must be "seasoned" before use. (2 marks)

(c) **Mention** one method of timber seasoning. (1 mark)

6. A learner at **Machakos Girls** is choosing a glue for an outdoor garden bench.

(a) **Select** the best type of adhesive for a project that will be exposed to rain. (1 mark)

(b) **Describe** one safety precaution when handling chemical wood glues. (2 marks)

(c) **Identify** the tool shown below used to apply pressure while the glue sets: (2 marks)



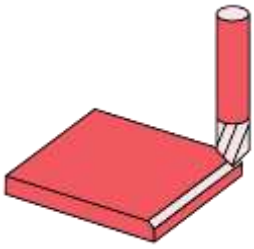
SECTION B (50 MARKS)

7. A student at Precious Blood Senior School is truing up a piece of Cypress timber for a project.

(a) **Outline** the correct procedure for "Truing up" a piece of wood. (4 marks)

- i. _____
- ii. _____
- iii. _____
- iv. _____

(b) **Identify** the processes shown in the diagrams below: (3 marks)







(c) **Describe** the function of a **Bench Hook**. (3 marks)

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

(d) **List** two tools used for sharpening wood chisels. (2 marks)

- i. _____
- ii. _____

(e) **Explain** the difference between a **Bevel** and a **Chamfer**. (3 marks)

Bevel	Chamfer

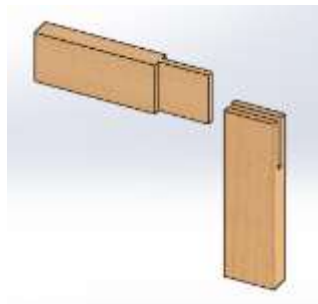
8. During a practical at **Lukenya Senior School**, learners are making a shoe rack.

(a) **Identify and Name** the following joints from the pictures: (4 marks)



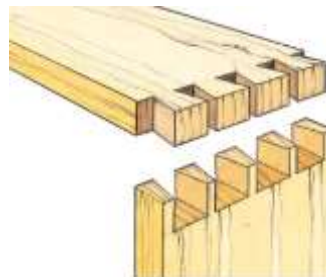
P

P: _____



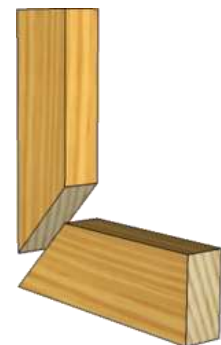
Q

Q: _____



R

R: _____



S

S: _____

(b) **Classify** the joints above into either **Framing joints** or **Widening joints**. (2 marks)

	Framing joints	Widening joints
Q		
R		
S		
T		

(c) **Identify** the fasteners shown below: (3 marks)



M

M: _____



N

N: _____



O

O: _____

(d) **Explain** the role of a "Pilot Hole" when using screws in hardwood. (3 marks)

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

(e) **State** three advantages of using joints instead of only using nails to join wood. (3 marks)

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

9. A learner in **Nakuru** has finished assembling a coffee table and wants to apply varnish.

(a) **List** three materials or tools required for surface preparation before varnishing. (3 marks)

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

(b) **Describe** the process of "Raising the Grain" and why it is done. (3 marks)

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

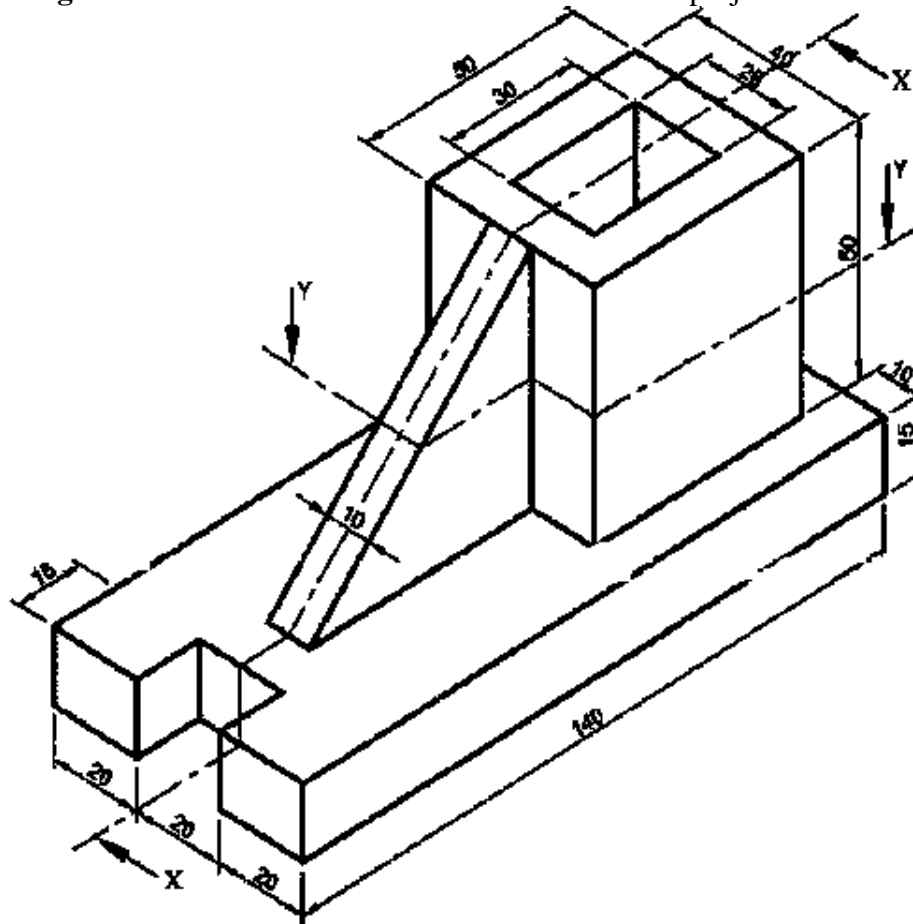
(c) **Identify** the grade of sandpaper that should be used for the *final* sanding. (1 mark)

(d) **Explain** two reasons for applying a "Clear Varnish" to a wood product. (3 marks)

- i. _____
- ii. _____

Answer question **10** on **A3 paper** and any other **three** questions from this section in the spaces provided. Candidates are advised **not to spend more than 20 minutes on question 10.**

10. **The figure below** shows a machine drawn in isometric projection.



Draw the following views of the component **Full Size** in first angle projection: (15 marks)

- a) Sectional front elevation along the cutting plane X-X.
- b) Sectional plan along the cutting plane Y-Y