

END TERM 3 2026
GRADE 10
WOODWORK
MARKING SCHEME
TOTAL: 80 MARKS

Download this and other FREE materials from <https://teacher.co.ke/notes>



CURRICULUM TRACEABILITY

Q	Strand / Sub-strand	Assessed content	Marks	Mode
1	1.0 Foundations / 1.1 Overview	Importance, careers, economic role	5	Structured
2	1.0 Foundations / 1.2 Wood Workshop	Workshop layout and safety	5	Figure
3	1.0 Foundations / 1.3 Hand Tools and Equipment	Tool identification, care and safety	6	Figure
4	2.0 Materials / 2.1 Growth of Timber Trees	Tree parts and importance	6	Figure
5	2.0 Materials / 2.2 Timber Conversion and Seasoning	Conversion methods and seasoning	6	Structured
6	2.0 Materials / 2.3 Adhesives	Types/classification and safe use	5	Structured
7	3.0 Processes / 3.1 Preparation of Wood	Tools, equipment and operations	7	Application
8	3.0 Processes / 3.2 Wood Working Joints	Joint identification and selection	7	Figure
9	3.0 Processes / 3.3 Surface Preparation	Purpose and materials/tools	5	Structured
10	3.0 Processes / 3.4 Project Activity	Furniture project sequence and safety	8	Application
11	3.0 Processes / 3.4 Project Activity	Resource/time/waste decisions	6	Scenario
12	4.0 Related Drawings / 4.1 Drawing and Sketching	Isometric and orthographic drawing	7	Figure
13	Cumulative application	Integrated design-to-production process	7	Extended response

GENERAL MARKING GUIDANCE

Accept equivalent correct responses supported by the curriculum design.

For identification questions, accept recognised terminology that clearly identifies the required item.

For drawing questions, award marks for correct projection, proportion, visible features and appropriate line work.

For process questions, award marks for correct sequence, appropriate tools/materials and safe practice.

M = method/process; A = application; C = correct content point.

Q1 — Woodwork and the Workshop (5 marks)

Any FIVE: develops practical/manual skills; supports self-employment/entrepreneurship; provides career opportunities; contributes to economic development; enables production of useful items; supports creativity/problem solving; provides skills for construction/manufacturing/crafts. 1 each. [5]

Q2 — Workshop Layout and Safety (5 marks)

(a) Any TWO valid features: organised work areas; clear circulation/access; suitable work benches; designated storage; safe positioning of equipment; orderly arrangement. 1 each. [2]

(b) Any THREE: use PPE; keep tools/equipment safely; maintain clean floor/work areas; follow safe operating procedures; proper storage; avoid unsafe handling; maintain clear access; report hazards. 1 each. [3]

Q3 — Hand Tools and Equipment (6 marks)

(a) Award 1 each for correct identification of A–D based on the figure/tool shown. [4]

(b) Any TWO: clean tools after use; store correctly; inspect before use; maintain/sharpen where appropriate; use tools only for intended purpose; keep equipment in good working condition. 1 each. [2]

Q4 — Growth of Timber Trees (6 marks)

(a) Any THREE correct parts corresponding to the figure, e.g. bark, sapwood, heartwood, pith/central region. 1 each. [3]

(b) Any THREE: helps classify/understand timber; guides selection/use of wood; supports understanding of physical features/properties; informs processing; supports environmental conservation/tree management. 1 each. [3]

Q5 — Timber Conversion and Seasoning (6 marks)

(a) Conversion: processing/cutting logs into usable timber sections/boards for woodwork. 1. [1]

(b) Any THREE: through and through/flat sawing; quarter sawing; tangential sawing; radial/other valid conversion method from the curriculum context. 1 each. [3]

(c) Any TWO: reduces moisture; improves stability; reduces warping/shrinkage; prepares timber for use; improves service performance. 1 each. [2]

Q6 — Adhesives (5 marks)

(a) Any THREE valid adhesive types/classifications used in woodwork/bonding materials, including internal-use and external-use classifications where appropriately stated. 1 each. [3]

(b) Any TWO: use in a safe/ventilated manner; avoid contact/misuse; follow instructions; dispose of adhesive waste safely; prevent unnecessary wastage. 1 each. [2]

Q7 — Preparation of Wood (7 marks)

Tools/equipment Any TWO appropriate tools/equipment used for preparation, e.g. hand saw, plane, marking gauge, square, measuring tool, chisel, vice/bench hook. 1 each. [2]

Operations Any FIVE correct operations from the curriculum: truing up stock, face side, face edge, width/thickness/length preparation, chamfering, beveling, rebating, grooving, housing, mitring, shaping, boring holes. 1 each. [5]

Q8 — Woodworking Joints (7 marks)

(a) Any THREE correct joint identifications matching A–D. 1 each. [3]

(b) Any TWO: join components securely; strengthen construction; enable furniture/product assembly; achieve desired shape/function; improve durability. 1 each. [2]

(c) Any TWO: strength required; type/use of furniture item; material dimensions; direction/grain; tools available; accuracy/skill required; appearance. 1 each. [2]

Q9 — Surface Preparation (5 marks)

Purpose Any TWO: remove defects/irregularities; smoothen surface; prepare for finish; improve appearance; ensure proper adhesion/finish quality. 1 each. [2]

Materials/tools Any THREE: scraper, sandpaper, files, hot iron where relevant to the curriculum, cloth/cleaning material or other curriculum-consistent surface-preparation tool/material. 1 each. [3]

Q10 — Furniture Project (8 marks)

Sequence Any EIGHT appropriate stages: select tools/materials; interpret/design drawing; mark out; size/cut; plane/prepare; form joints; dry/final assembly; glue/fasten; surface preparation; sanding; finishing; inspection/evaluation. Award 1 each for eight distinct valid stages. [8]

Q11 — Production Decision-Making (6 marks)

Decisions Any SIX: choose appropriate available materials; select suitable tools; plan sequence; minimise waste; use accurate marking; choose suitable joints; allocate time; use safe procedures/PPE; maintain tools; reuse suitable material; inspect work. 1 each. [6]

Q12 — Related Drawings (7 marks)

(a) Isometric/pictorial drawing. 1. [1]

(b) Front orthographic view: correct orientation 1; correct outline/proportion 1; appropriate visible/line details 1. [3]

(c) Any THREE: communicates design; guides production; gives dimensions/details; assists interpretation; supports planning; enables communication of design ideas. 1 each. [3]

Q13 — Integrated Woodwork Application (7 marks)

Drawing/sketching Uses an appropriate sketch/drawing to communicate the design. 1. [1]

Material selection Selects suitable wood/materials based on project requirements. 1. [1]

Joint selection Selects suitable joint(s) for the furniture item and purpose. 1. [1]

Preparation Describes appropriate preparation operations before assembly. 1. [1]

Surface preparation Includes appropriate smoothing/preparation before finishing. 1. [1]

Tool safety Explains safe, correct use and care of tools/equipment. 1. [1]

Integrated sequence Presents a logical, coherent design-to-production process that minimises waste and achieves the intended useful item. 1. [1]

TOTAL-MARK VERIFICATION

$5 + 5 + 6 + 6 + 6 + 5 + 7 + 7 + 5 + 8 + 6 + 7 + 7 = 80$ marks.

VISUAL / DIAGRAM MARKING NOTES

Figure 1: responses should reflect the curriculum's Wood Workshop outcomes on layout/features and safety.

Figure 2: identify tools according to their actual visual form and intended workshop use.

Figure 3: accept the tree-trunk parts represented in the figure using correct Woodwork terminology.

Figure 4: identify the joint constructions shown; equivalent accepted terminology is allowed where technically correct.

Figure 5: the drawing is intended to assess pictorial/isometric interpretation and conversion to orthographic representation.