Marking Scheme

PaperSetter Sample School

Grade 7 Pre-Technical Studies

GRADE 7 — 2026

Q1.

C. Switch off the power and report it to the teacher

Q2.

C. Fix paper on board, draw border, draw title block, then draw the object

Q3.

B. A good conductor of electricity

Q4.

C. Clean, oil and store them safely in a dry place

Q5.

A. The physical parts of a computer that can be touched

Q6.

D. Creativity and willingness to take calculated risks

Q7.

C. Ø

Q8.

B. Sensing blocks

Q9.

D. Wood

Q10.

B. Surplus

Q11.

C. Promotion (advertising)

Q12.

D. Strong winds and heavy rain

Q13.

D. Personal values and interests

Q14.

B. A conditional (if) statement

Q15.

D. Hardwood

Q16.

B. A flame symbol

Q17.

C. G-clamp

Q18.

B. Providing infrastructure that supports business activities

Q19.

B. Ksh 15,000

Q20.

B. To prevent loose items from being caught in machines or tools

Q21.

A. Central Processing Unit (CPU)

Q22.

C. Saving part of the income and budgeting the rest

Q23.

C. Price

Q24.

C. Practise and seek training in presentation skills

Q25.

D. Mahogany

Q26.

A. Bench vice and G-clamp

Q27.

A. Maintaining peace and security in trading centres

Q28.

B. Safety goggles

Q29.

B. Providing goods or services in exchange for payment

Q30.

A. To prevent accidents and make tools easy to locate

Q31.

Award 1 mark each (max 3): can start a small workshop/business (self-employment); can repair household items/tools for income; can make and sell products/crafts; can offer technical services e.g. building, fabrication; can solve everyday technical problems at home. Any 3 correct points.

Q32.

(a) A financial goal is a specific target that a person sets concerning how they intend to earn, save, spend or invest their money within a certain period of time. (2 marks) (b) Differentiation (2 marks each): - A short-term financial goal is one that can be achieved within a short period, usually within a year. Example: saving to buy a school bag or more fruit for the business. - A long-term financial goal is one that takes a longer period (more than one year) to achieve. Example: saving to buy a refrigerator for the business or to pay for further training.

Q33.

(a) Dimensioning is the process of adding measurements (sizes) such as lengths, diameters and angles to a drawing to show the exact size and location of features (2 marks). (b) Any three: dimensions should be in millimetres; place dimensions outside the outline where possible; do not repeat/duplicate dimensions; place small dimensions nearest the object; arrowheads must touch the extension/dimension lines; figures readable from the bottom and right (1 each, max 3).

Q34.

2 marks each (any 3): Always keep cutting tools sharp because blunt tools slip and cause injury; secure the workpiece firmly in a vice before cutting; cut away from the body/hands to avoid injury; use the correct tool for the correct material; store tools safely with edges protected; do not distract others while they are cutting.

Q35.

Total income = Ksh 6,000 (1 mark). Total expenditure = 2,500 + 800 + 700 = Ksh 4,000 (2 marks). Profit = 6,000 − 4,000 = Ksh 2,000 (2 marks). Must show it is a profit.

Q36.

In cavalier oblique the receding lines are drawn full/true length (1); in cabinet oblique the receding lines are drawn at half (reduced) length to give a more realistic appearance (1). (Both keep the front face true and receding lines at 45 degrees.)

Q37.

(a) The flame symbol warns that the material is flammable, that is, it can easily catch fire when exposed to heat, sparks or a naked flame. (2 marks) (b) Safety practices (any TWO, 2 marks each): - Keep the

thinner away from naked flames, sparks and heat sources, and switch off any nearby ignition source. - Store it in a tightly closed, labelled container in a cool, well-ventilated area away from other chemicals and sources of heat. - Use it only in a well-ventilated room, wear protective gloves and avoid skin and eye contact, and keep a fire extinguisher nearby.

Q38.

(a) A channel of distribution is the path or route through which goods (and services) move from the producer to the final consumer, including the intermediaries involved. (2 marks) (b) In order (1 mark each): 1. Producer (the farmer) 2. Wholesaler 3. Retailer 4. Consumer (the final buyer)

Q39.

(a) A business plan is a written document that describes a business idea, its objectives/goals and the strategies of how the business will be started, financed and run (2 marks). (b) Any three (1 mark each): executive summary; business description; marketing plan; production/operations plan; financial plan; management/organisation plan; objectives/goals.

Q40.

Any three (1 mark each): the front face is drawn true to shape/size so circles remain true circles (not ellipses); it is easier and faster to draw than isometric; it requires simpler instruments (45-degree set square); curved detail on the front is not distorted; measurements on the front face can be taken directly.

Q41.

(a) 10 mm (half of the 20 mm true depth) (1). (b) In cabinet oblique the receding lines are halved (1) to reduce the exaggerated/stretched appearance and make the drawing look more natural/realistic (1).