

745/2
TECHNOLOGY
& DESIGN
Paper 2
2023
3 hours



UGANDA NATIONAL EXAMINATIONS BOARD

Uganda Certificate of Education

TECHNOLOGY AND DESIGN

Paper 2
Design and Drawing

3 hours

INSTRUCTIONS TO CANDIDATES:

*This paper consists of **two** compulsory examination items.*

*Use a sheet of drawing paper size **A2** provided for your answer*

Use both sides of the drawing paper if necessary.

Item 1.

Nsako grinding mill broke down and a quick check revealed that **A SHAFT SUPPORT** was damaged and needed replacement. The Manager ordered for its replacement but the manufacturers of the mill only sent him the drawings in figure 1. The Manager was advised to use a local fabricator to recreate the shaft support. The fabricator available cannot interpret the drawings, however if provided with optional drawings he can use it effectively.

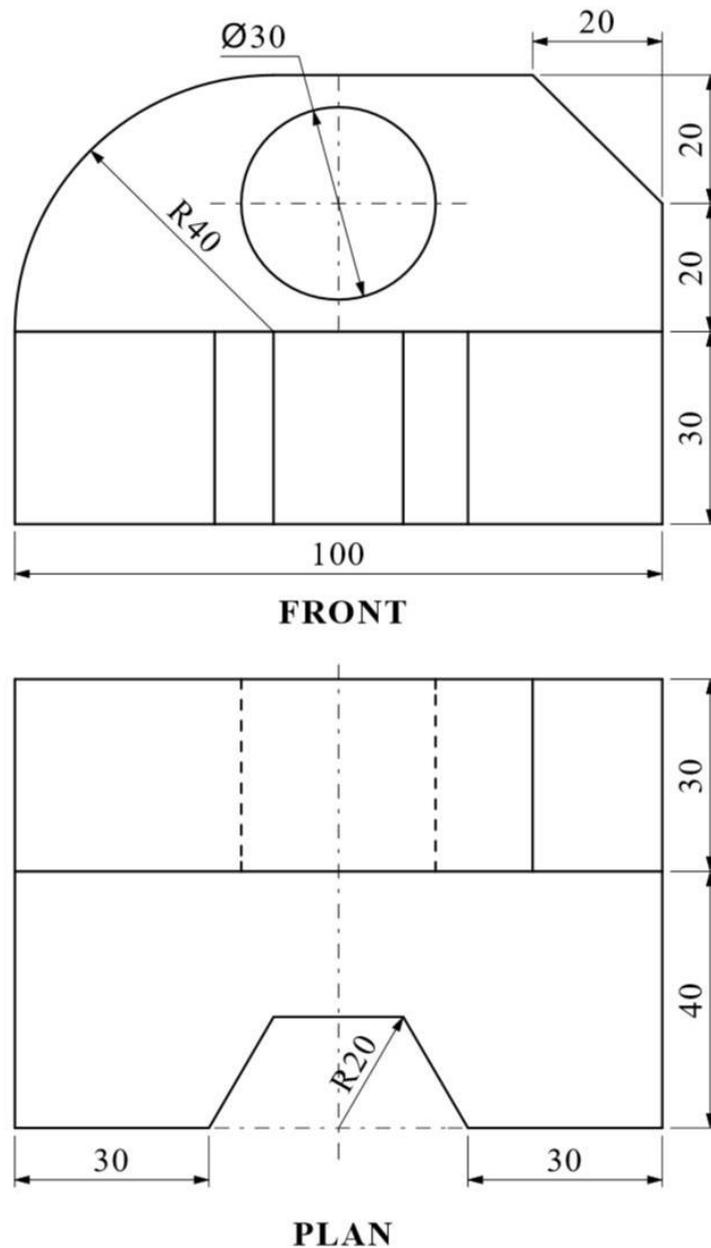


Fig. 1

Task:

Produce for the fabricator an accurate drawing of the shaft support.

Item 2.

James is renting and his Landlord keeps increasing rental fees. He has set aside **6** metres by **4** metres of his plot to build a two-roomed house. He consulted a builder, who told him that a plan and an elevation are important before he starts constructing.

Task:

Design and produce the drawings for James.

SAMPLE PAPER