



# MACHAKOS UNIVERSITY

## SCHOOL OF ENGINEERING AND TECHNOLOGY

### DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

#### Second Year Second Semester Examination for Diploma in Civil Engineering

**BCECD 218:**

#### CIVIL ENGINEERING DRAWING AND CAD

**Date:** --/04/2019

**Time:** 8:30 -11:30 am

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**Instructions:**

- *This paper consists of **Two** questions.*
- *Answer **Both** questions*
- *Maximum marks for each part of a question are as shown*

1. Figure 1 shows a block drawn in isometric projection.

Construct and annotate the block given the following specifications:

All dimensions are in mm;

Scale: 1:1;

Pen width - 0.35mm;

Grid spacing - 10mm;

Dimension lines - 0.13mm

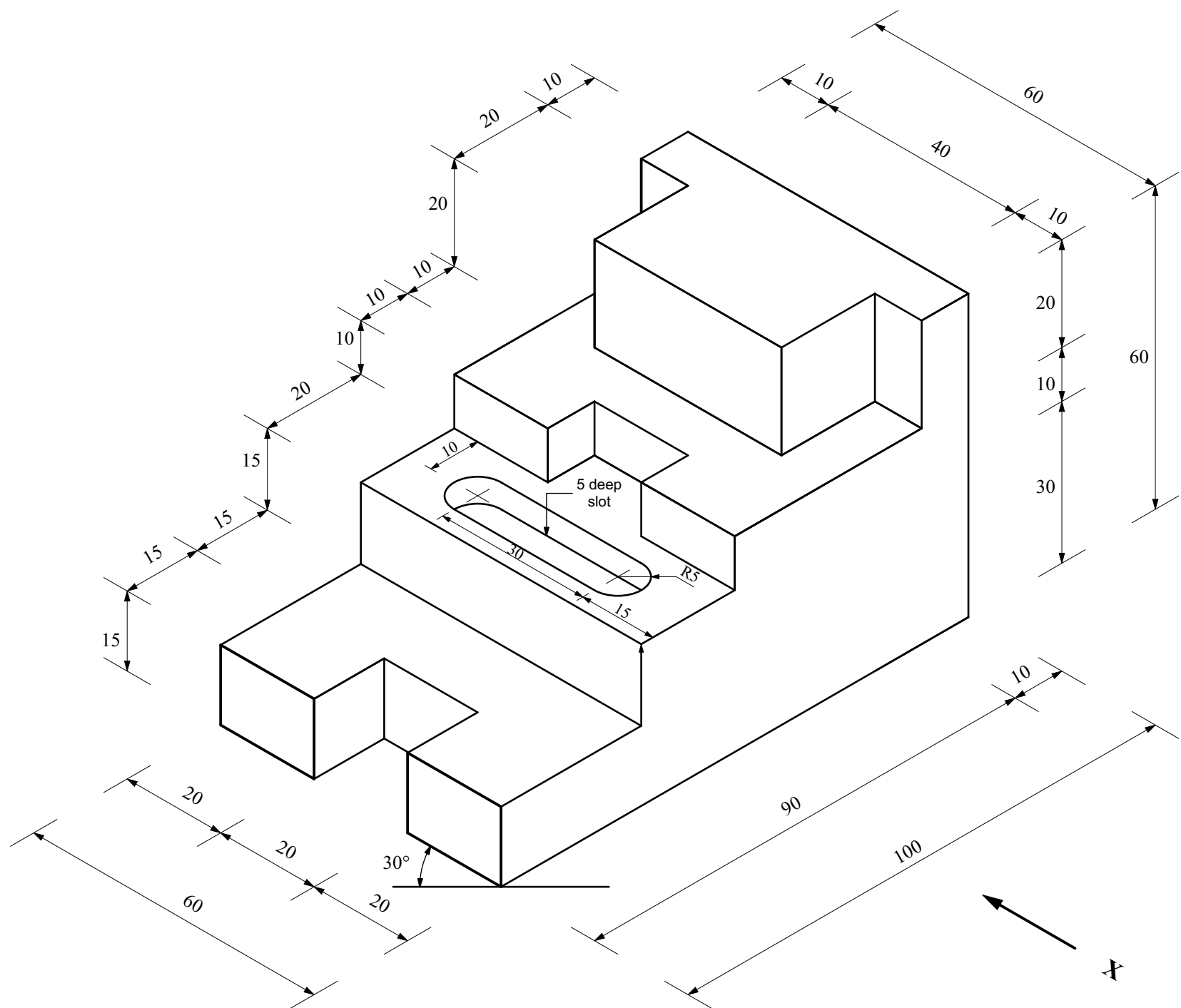
Dimension text - times new roman,

font size - 2.0mm.

(30 marks)

2. Draw the **Four** views of the block in First Angle Orthographic projection with the front elevation viewed in the direction of arrow X.

(20 marks)



**FIGURE 1**