

**GX494**

**OLLSCOIL NA hÉIREANN, GAILLIMH  
NATIONAL UNIVERSITY OF IRELAND, GALWAY**

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**WINTER EXAMINATIONS, 2000**

**SEMESTER I 2000-2001**

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**FIRST ENGINEERING**

**ELECTRONIC,  
ELECTRONIC and COMPUTING,  
and MANAGEMENT**

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**ENGINEERING GRAPHICS I  
CE 111**

Professor R. A. Falconer;  
Professor P. E. O'Donoghue;  
Dr. P. Ó hEachteirn.

Time allowed : *Two* hours

Answer *two* questions, including Question 1

Answer all questions on AutoCAD  
Unless directed otherwise

# INSTRUCTIONS

**LOGIN:**            **000xxxxV**

where    **xxxx**    is your four-digit **EXAM** number

e.g. **0004321v** for candidate exam number **4321**

e.g. **0005678v** for candidate exam number **5678**

( Put **000** before your **EXAM** number and **v** after it )

**PASSWORD:**    **bananas**

( I.e. The word **bananas** is the password )

**SAVING**

**SAVE EACH ANSWER AS A SEPARATE FILE**  
(I.e., you should have two files for two questions)

**SaveAs** **GRAPHICS-xxxx-Surname-Forename-Qx**

in your **U-drive** belonging to **000xxxxV**

where

**xxxx**    is your **EXAM** number

**Surname**    is your surname

**Forename**    is your **first** forename

**Qx**    is Q1 or Q2 or Q3 for Questions 1,2,3 respectively)

( Don't forget the hyphens between the **xxxx** etc. )

**DO NOT ERASE THESE FILES AT ANY TIME**

**PRINTING**

**Print each of your Answers to A3 Printer**  
(as you have done during the year)

## SAVE REGULARLY AS YOU WORK

( QUESTION 1 IS OBLIGATORY )

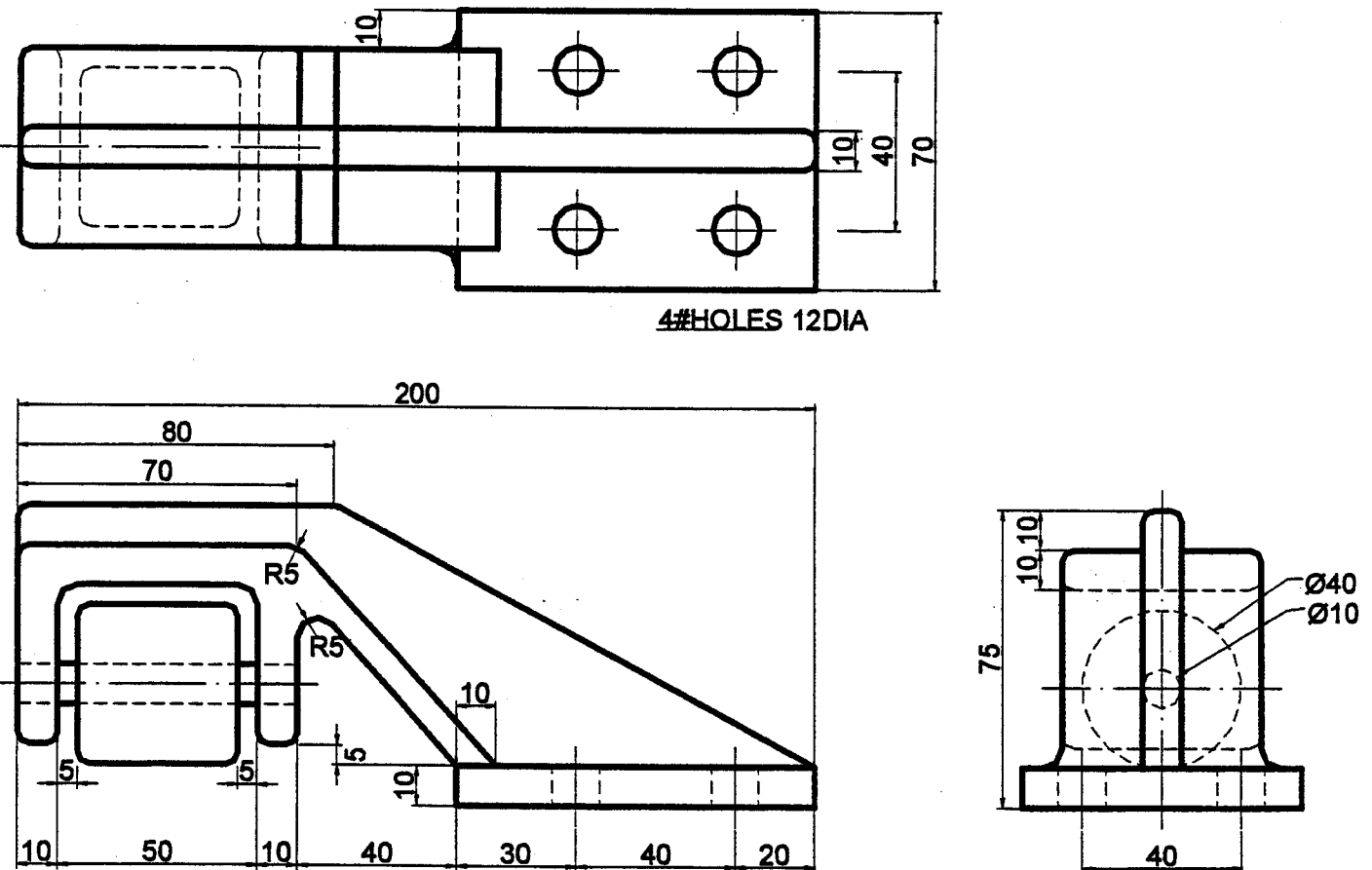
**Question 1**

Figure Q1 shows details of a HANGER ROLLER BRACKET, in third angle projection.

Using third angle projection, draw the following:

- (a) a front view,
- (b) a bottom view, and
- (c) a left side view.

Dimension fully.



**Figure Q1 HANGER ROLLER BRACKET .**

(50 marks)

### Question 2

Figure Q2 shows details of a CAMSHAFT BEARING. Make an isometric drawing of it, viewing it from above and from the right.

You are not required to dimension the isometric.

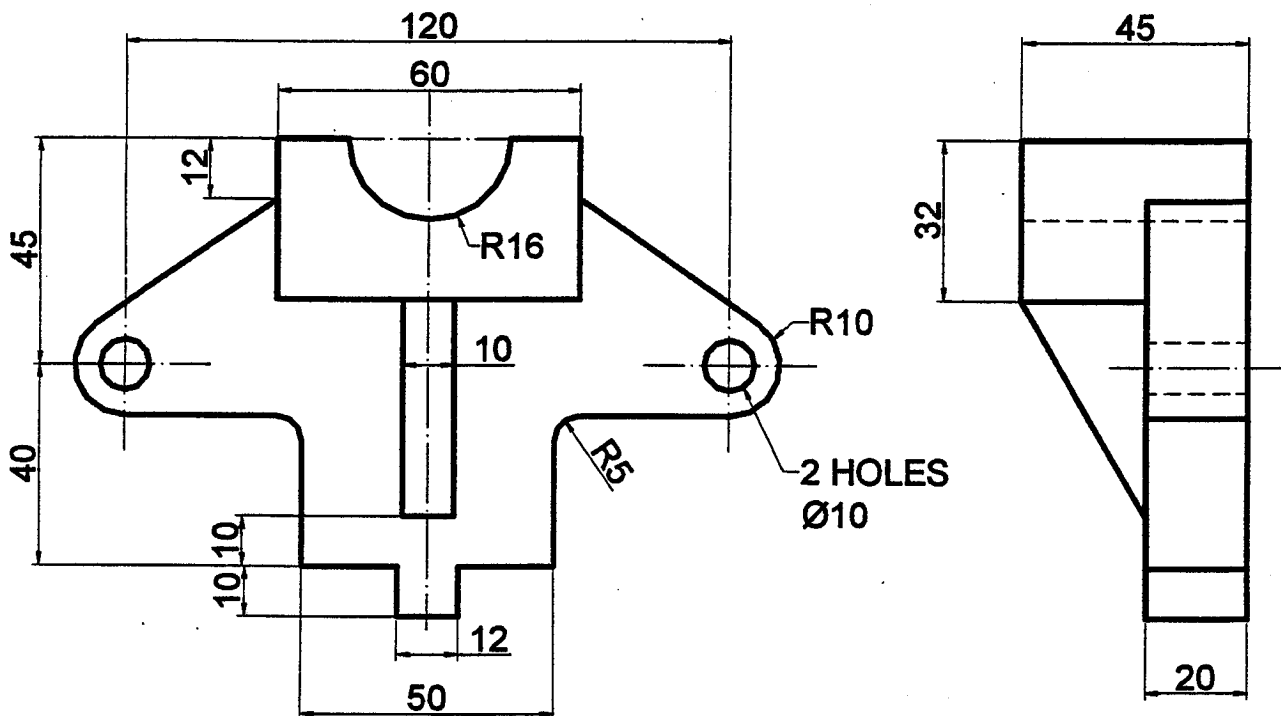


Figure Q2 CAMSHAFT BEARING

(50 marks)

### Question 3

Dimension the Multiview Views and the Pictorial View of the HOLDER CLIP given in the attached drawing sheet.

Use best dimensioning practice throughout, in accordance with ISO-25.

To determine the dimensions, measure the drawing with a rule. An error of 1mm/1<sup>0</sup> in your measurements is entirely acceptable; remember that this question is primarily concerned with dimensioning.

N.B. This question may be completed in AutoCAD, OR manually, BUT not a mixture of both .

(50 marks)