

UNIVERSITY OF JOHANNESBURG FACULTY OF EDUCATION MAY / JUNE EXAMINATION 2016

PROGRAMME:

B Ed (SENIOR AND FET PHASE)

MODULE:

ENGINEERING GRAPHICS AND TECHNOLOGY EDUCATION

1A

CODE:

EGD10A1

TIME:

2 hours

MARKS:

100

EXAMINER:

Mr W Engelbrecht

MODERATOR:

Dr CF van As

(This paper consists of 3 pages)

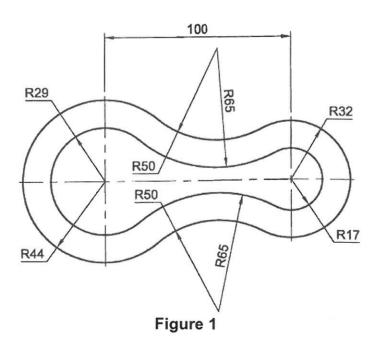
INSTRUCTIONS

Read the following instructions carefully before answering the questions.

Answer all questions on A3 drawing sheets.

QUESTION 1

Copy Figure 1, shown below, on the answer sheet to a scale 1:1. All constructions must be shown.



(20)

QUESTION 2

Figure 2 shows an outside front view and an outside left view of a pipe clamp in first angle orthographic projection. Draw to a scale of 2:1 and in first angle orthographic projection, the following:

2.1 A s	ectional front	view on cutting plan	GG (25)
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- 2.2 A sectional left view on cutting plane FF (15)
- 2.3 The top view (10)
- 2.4 Insert any three (3) dimensions on the top view (3)
- 2.5 Print the title of the drawing. (2)

(55)

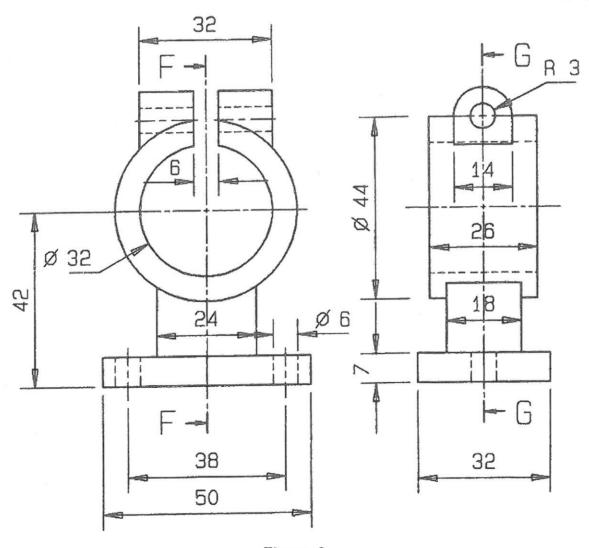


Figure 2

QUESTION 3

Figure 3 shows the front view and the left view of an object in first–angle orthographic projection. Convert the orthographic views into an isometric drawing.

(25)

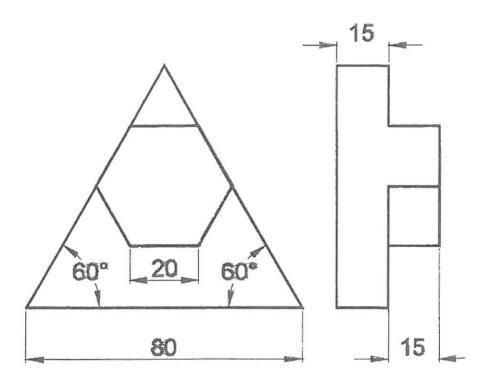


Figure 3

TOTAL: 100

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