



## **CONSTRUCTION DRAWING (CDRCOA1) FIRST SEMESTER SUPPLEMENTARY EXAMINATION 2019**

<b>FACULTY:</b>	ENGINEERING AND BUILT ENVIRONMENT
<b>DEPARTMENT:</b>	CONSTRUCTION MANAGEMENT & QUANTITY SURVEYING
<b>COURSE CODE:</b>	<b>CONSTRUCTION DRAWING CDRCOA1</b>
<b>EXAMINER:</b>	<b>MR O. A. OGUNTONA</b>
<b>MODERATOR:</b>	PROF. W.D THWALA
<b>DATE:</b>	<b>JULY-2019</b>
<b>TIME:</b>	<b>3 HOURS</b>
<b>TOTAL MARKS:</b>	<b>100</b>

### **INSTRUCTIONS: (Read Carefully)**

Ensure your **SURNAME & INITIALS**, **STUDENT NUMBER** and **COURSE CODE** is clearly and boldly written on the **A3** drawing sheet and the question paper.

Answer **ALL** questions and use **PENCIL** when drawing.

No cell phones or other electronic devices are allowed in the examination.

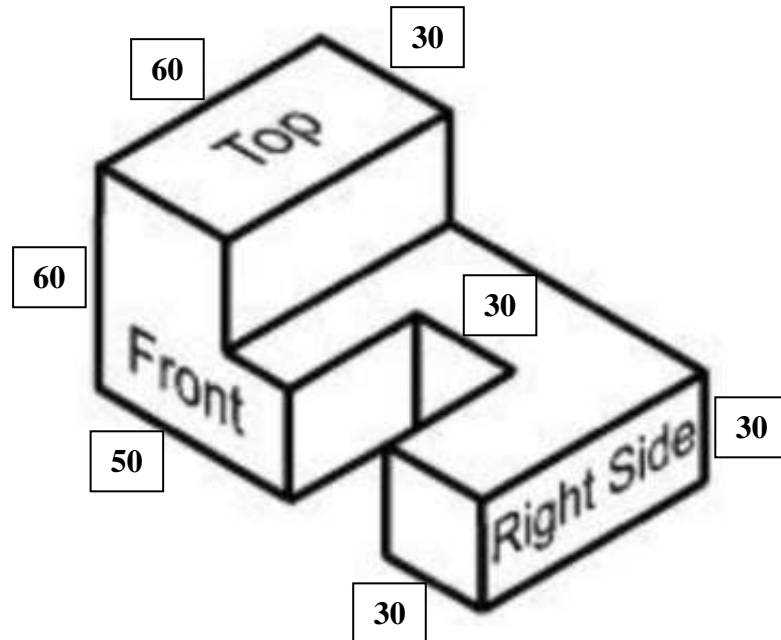
Questions 1, 2, 3, 4 and 5 should be answered on A3 drawing sheet.

**SURNAME & INITIALS:** \_\_\_\_\_

**STUDENT NUMBER:** \_\_\_\_\_

### QUESTION ONE

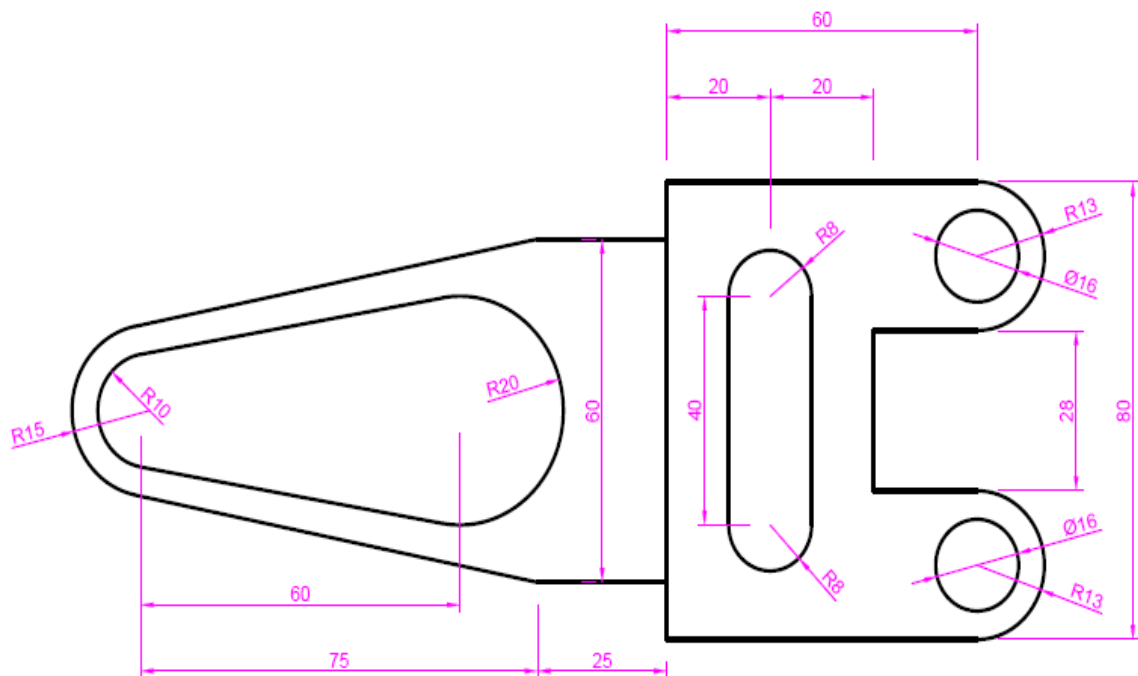
Using scale 1:1, reproduce the given diagram below. Draw the **front view**, **top view** and **right-side view**. Fully annotate and dimension the drawing.



[20 marks]

### QUESTION TWO

Using scale 1:1, draw the given diagram below. Fully annotate and dimension the drawing.

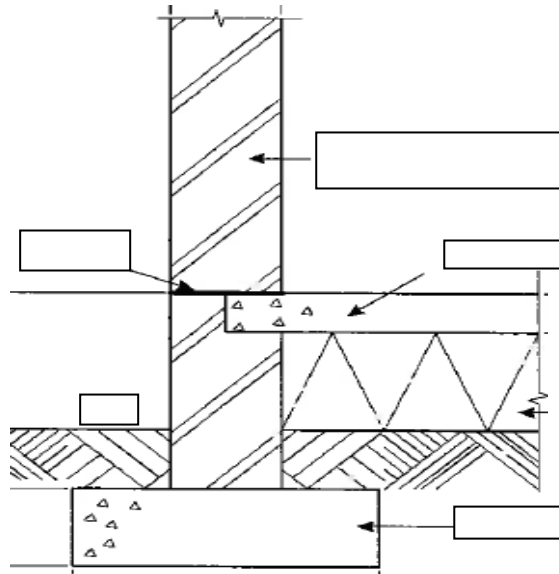


[20 marks]

[15 marks]

### QUESTION THREE

The diagram below is a strip foundation for an external wall. Reproduce the drawing to Scale 1:50. Fully dimension and annotate your drawing.

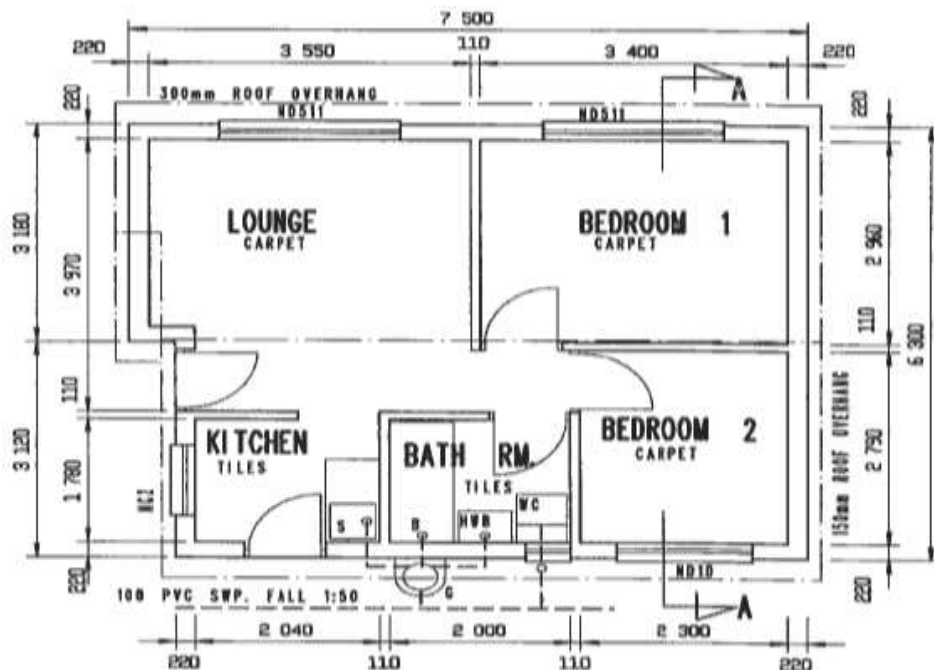


[20 marks]

### QUESTION FOUR

The diagram below is the floor plan of a two-bedroom bungalow, draw **the LEFT-SIDE** and **BACK** elevation. Use the information provided below:

Scale: **1:100**, Roof eaves/overhangs: **600mm** (all-around)  
 Roof pitch: **30 degrees**, Window (WD511): (H)1200 X 1500mm(W)  
 Facia boards: **12 X 250mm**, Height of wall: **2800mm**  
 FL to lintel underside: **2100mm**



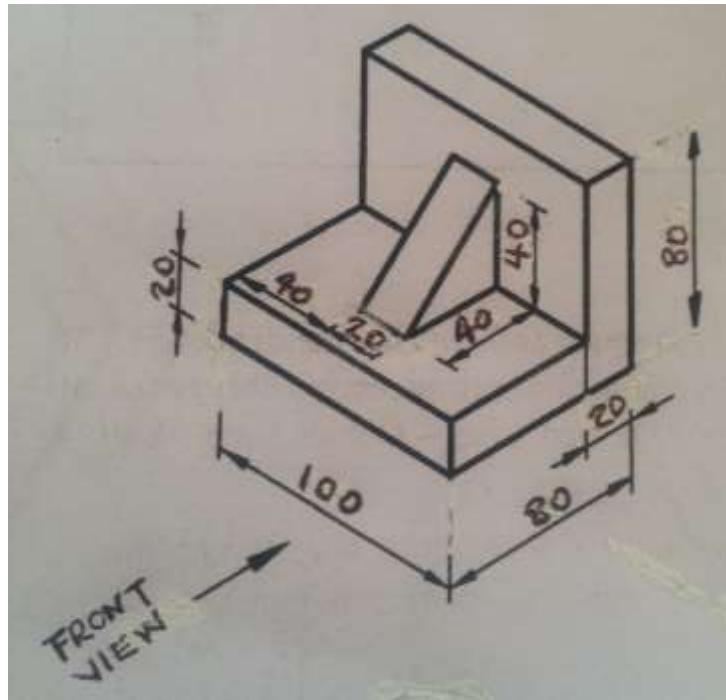
Front

Right-Side

[20 marks]

### **QUESTION FIVE**

Using scale 1:1, reproduce the given diagram below. Draw the **front view**, **top view** and **right-side view**. Fully annotate and dimension the drawing.



[20 marks]