

ACADEMIC YEAR 2021 –2022

Program	Year	Semester	Paper
PE	1	1	Main
MODULE NAME:	ENGINEERING DRAWING		
MODULE CODE:	TED	EXAM DATE:	9/01/2022
TEACHER'S NAME:	DR. OLADIPO	DURATION:	3 hrs

Questions to be answered on:	Allowed requirements	Number of pages
AutoCAD	AutoCAD Software	(Incl. Cover Page): 6

Points of Attention:

- For each question, the maximum earned points are mentioned between brackets at the end of each question.
- Write very clearly! Answers that are not readable are not marked and don't get points!
- Make sure your answers are written to the point.
- All answers should be written **in English**.
- Write all the answers **in blue or black pen only (NO pencil)**.
- Answer written in **Pencil** will not be marked.
- Use **pencil** only for **diagrams, graphs & drawing**.
- Show all the calculation steps in the given space.
- Any cheating/copying may result in an instant failing of the examination.

FINAL MARKS

STUDENT NAME:	
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STUDENT ID:	
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	100
	10

Number of answer scripts:

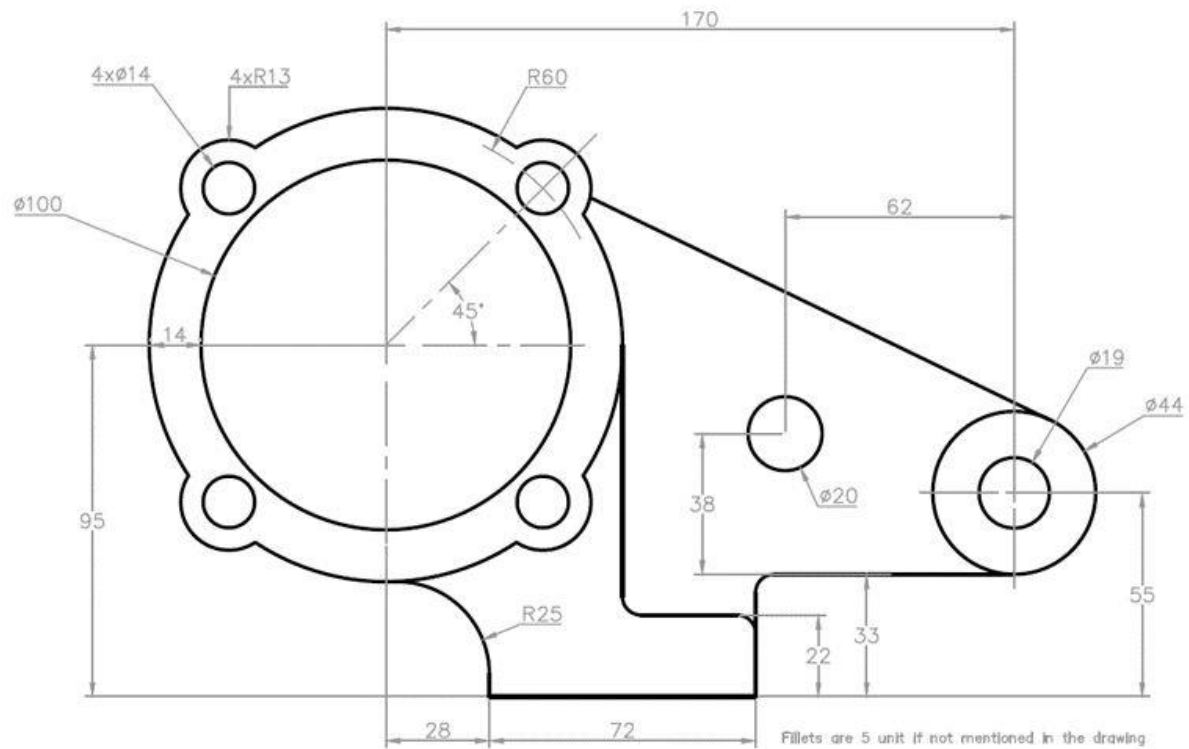
Invigilator:

Student's signature:

Time of receipt:

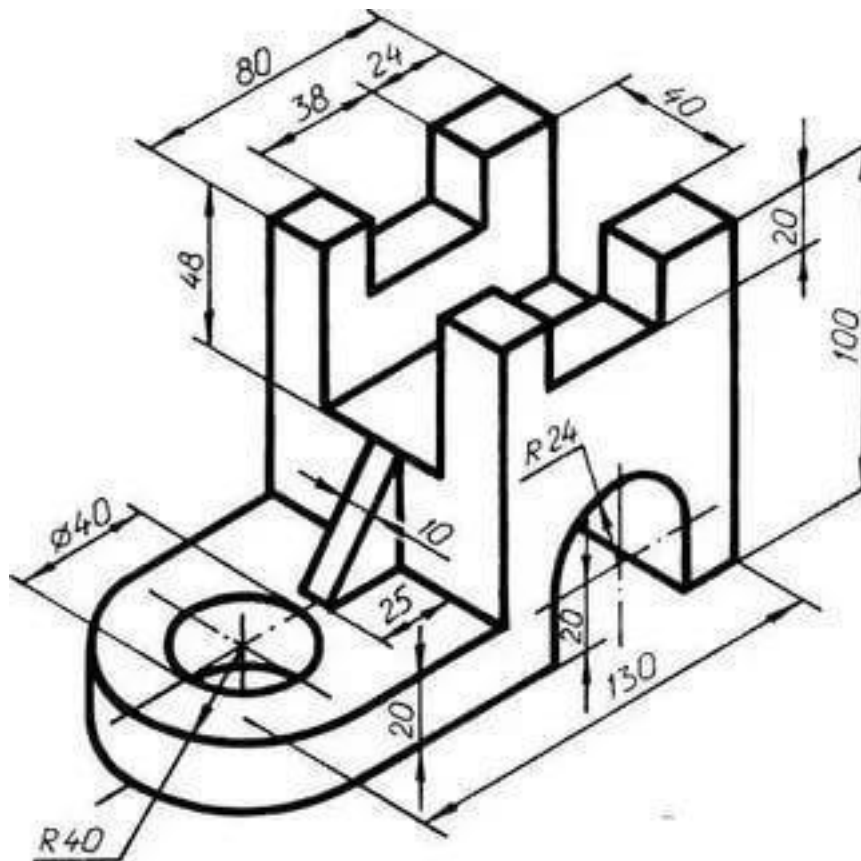
Question 1 [20 marks]:

Reproduce the following orthographic drawing (Learning, 2021) using Autocad software:



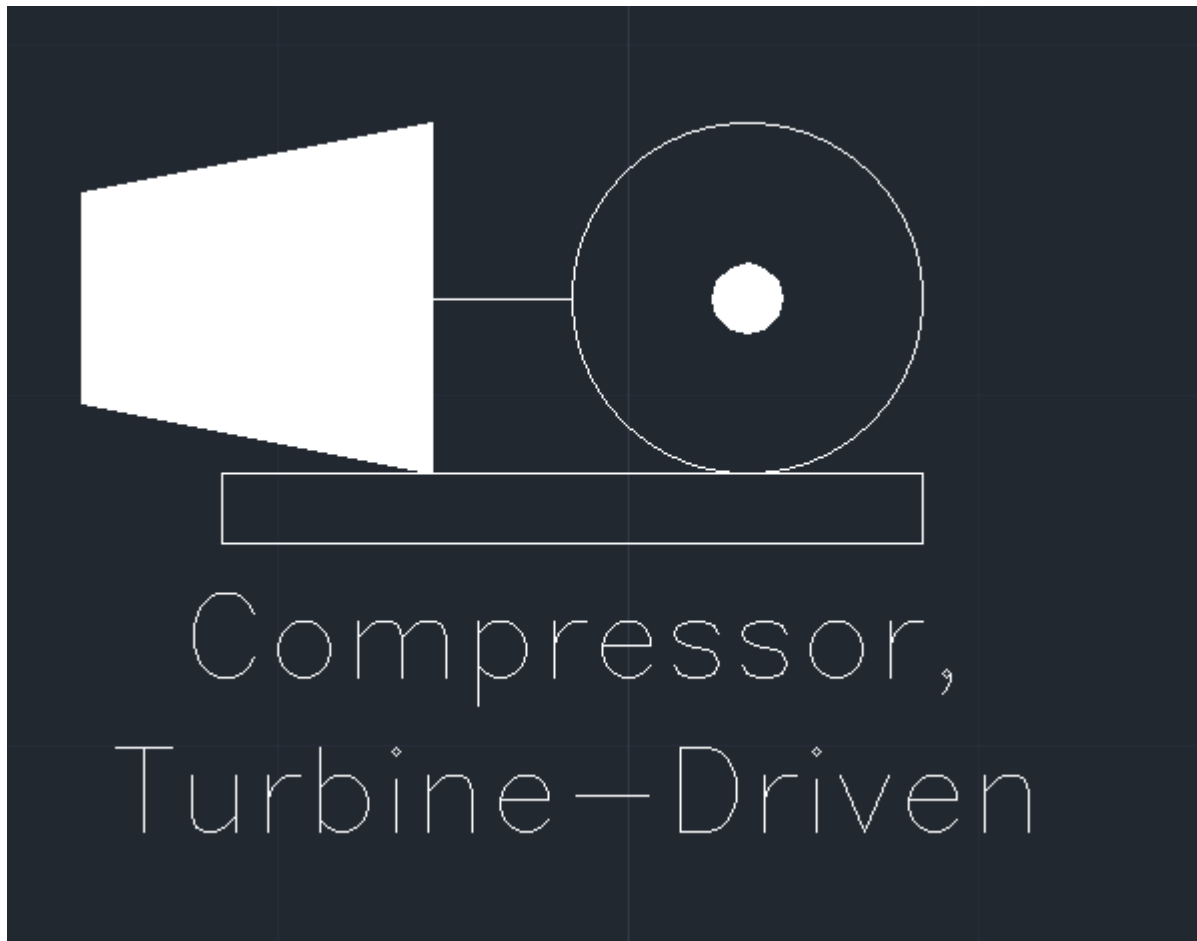
Question 2 [20 marks]:

The following figure (Pinterest, 2021) represents the isometric drawing of an object. Reproduce the drawing following the specification in the diagram.



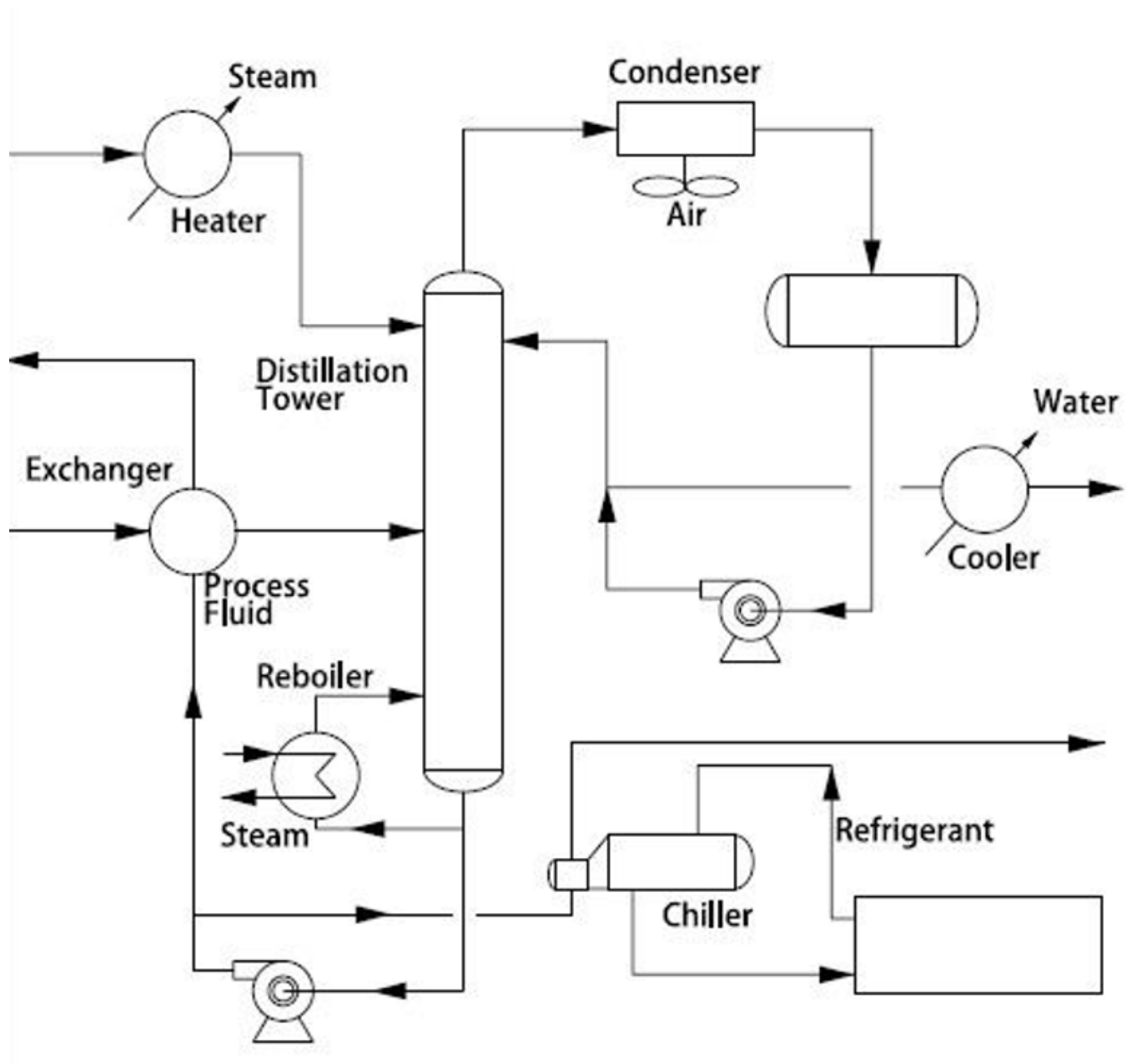
Question 3 [20 marks]:

A compressor is a machine typically used to increase the pressure of a gas by decreasing its volume. The following diagram represents a turbine-driven compressor. Reproduce this drawing using AutoCAD software.



Question 4 [40 marks]:

Reproduce the following Process Flow Diagram (EdrawMax, 2021) including all the texts.



Bibliography

EdrawMax, W. (2021, 12 22). *What is Process Flow Diagram (PFD)*. Retrieved from EdrawMax:

<https://www.edrawmax.com/article/process-flow-diagram.html>

Learning, S. (2021, 12 20). *60 AutoCAD practice drawings with PDF eBook*. Retrieved from SourceCAD

Learning: <https://www.thesourcecad.com/autocad-practice-drawings-ebook/>

Pinterest. (2021, 12 23). *Pinterest*. Retrieved from Pinterest:

<https://www.pinterest.cl/pin/211669251225041806/>