



Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
DEEMED TO BE UNIVERSITY

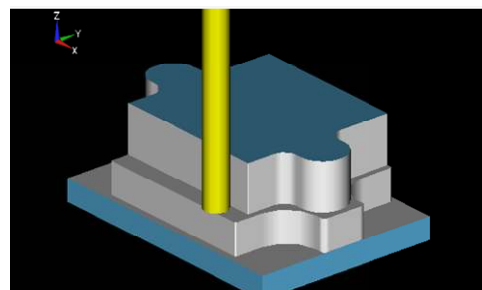
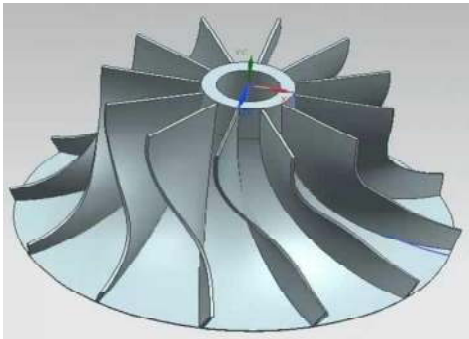


University with Graded Autonomy Status

(An ISO 21001 : 2018 Certified Institution)

Periyar E.V.R. High Road, Maduravoyal, Chennai-95, Tamilnadu, India.

COMPUTER AIDED DESIGN LABORATORY RECORD (EBME220L2)



Name	
Register Number	
Year & Section	
Batch	



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BONAFIED CERTIFICATE

REGISTER NUMBER

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Name of Lab: _____

Department: _____

Certified that this is a bonafide record of work done by
_____ of _____
class in the _____ laboratory
during the year 20_- 20__

Signature of Lab-in-charge

Signature of Head of the Dept.

Submitted for the Practical Examination held on _____

Signature of Internal Examiner

Signature of External Examiner



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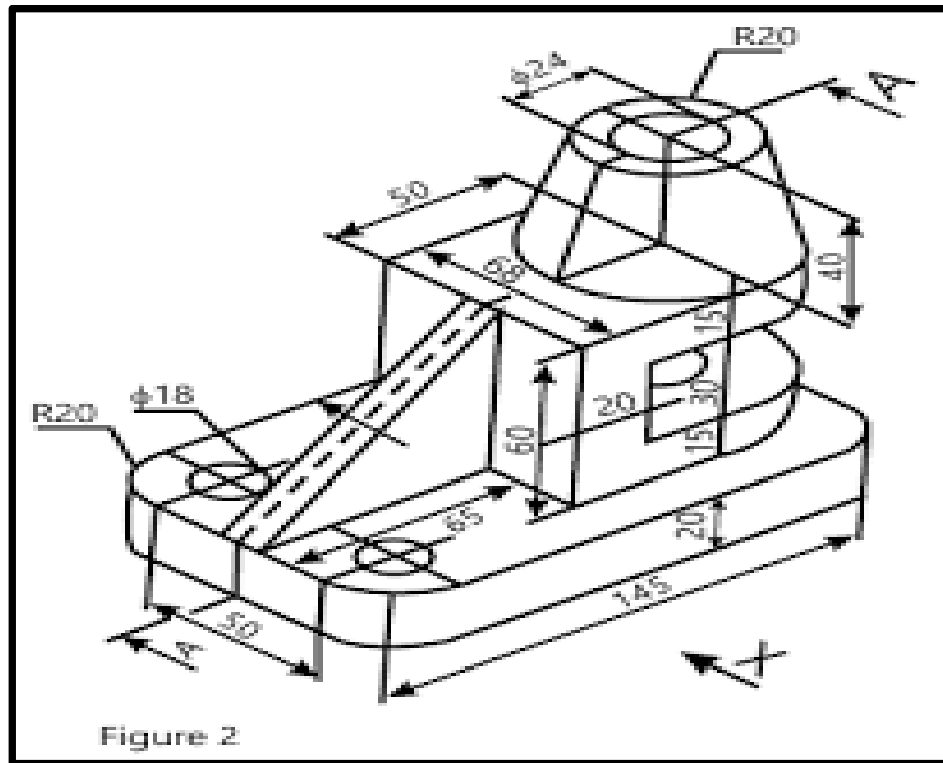
Si. No.	Date	Title of the Experiment	Marks	Faculty Sign
1.		Create the orthographic projection for the machine component shown in figure		
2.		Create the orthographic projection for the machine component shown in figure		
3.		Create the orthographic projection for the machine component shown in figure		
4.		Create the orthographic projection for the machine component shown in figure		
5.		Create the orthographic projection for the machine component shown in figure		
6.		Create the orthographic projection for the machine component shown in figure		
7.		Create the orthographic projection for the machine component shown in figure		
8.		Create the orthographic projection for the machine component shown in figure		
9.		Create the orthographic projection for the machine component shown in figure		
10.		Create the orthographic projection for the machine component shown in figure		
11.		Create the orthographic projection for the machine component shown in figure		
12.		Create the orthographic projection for the machine component shown in figure		

CAD EXERCISES

Exercise No. 1

Date:

1. Create the orthographic projection for the machine component shown in figure



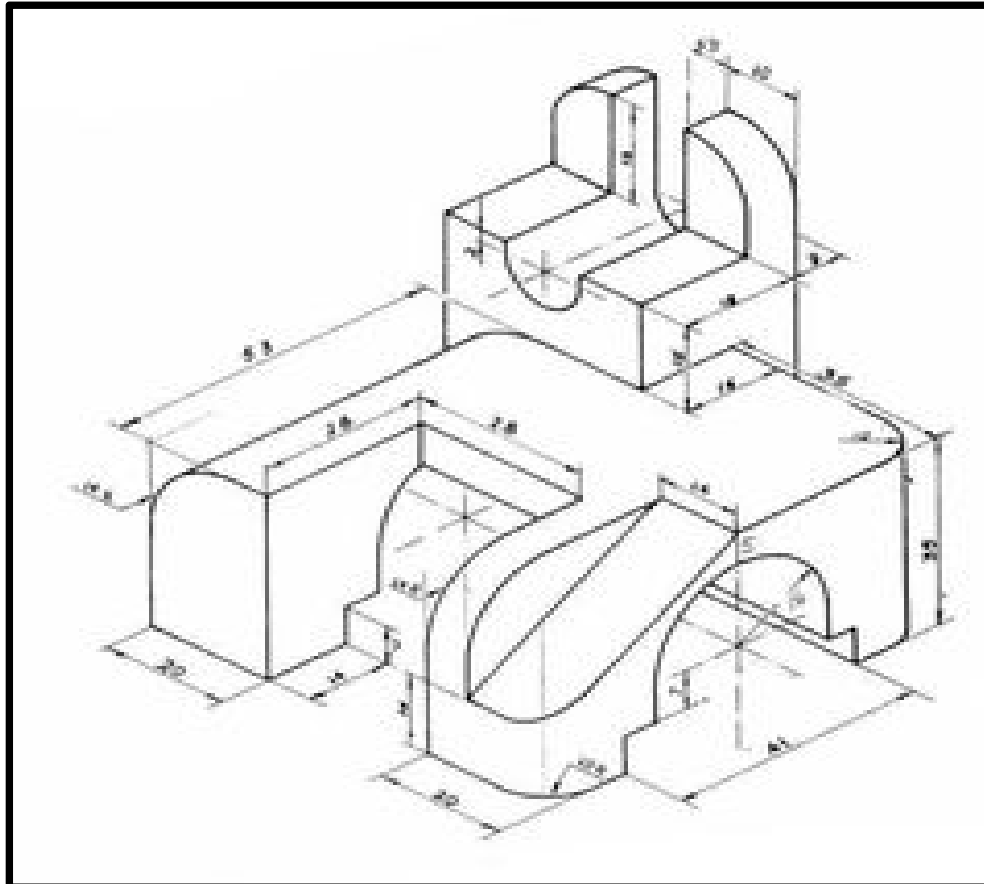
Result:

Thus the orthographic projection is drawn

Exercise No. 2

Date:

1. Create the orthographic projection for the machine component shown in figure



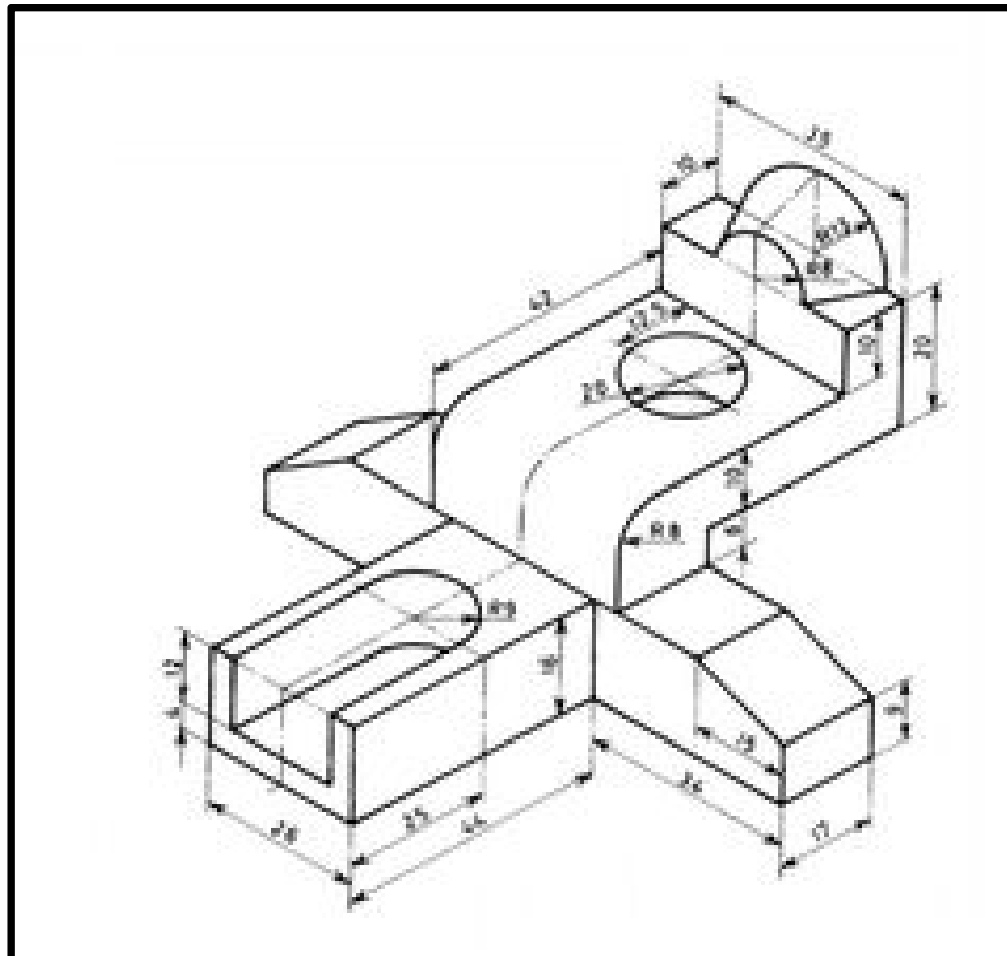
Result:

Thus the orthographic projection is drawn

Exercise No. 3

Date:

1. Create the orthographic projection for the machine component shown in figure



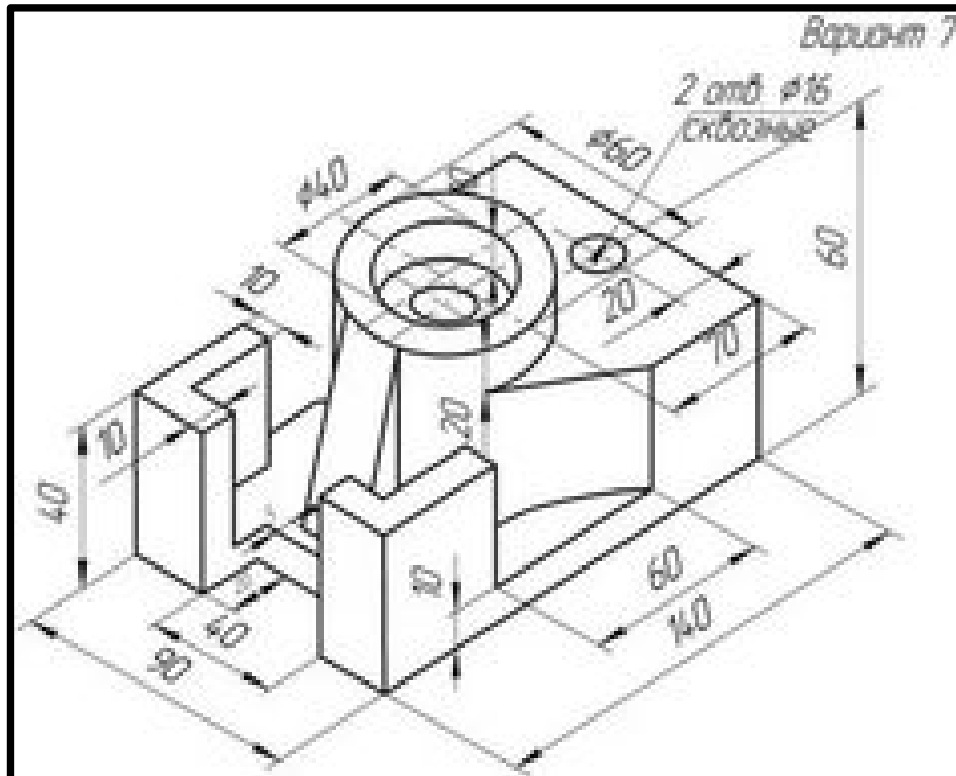
Result:

Thus the orthographic projection is drawn

Exercise No. 4

Date:

1. Create the orthographic projection for the machine component shown in figure



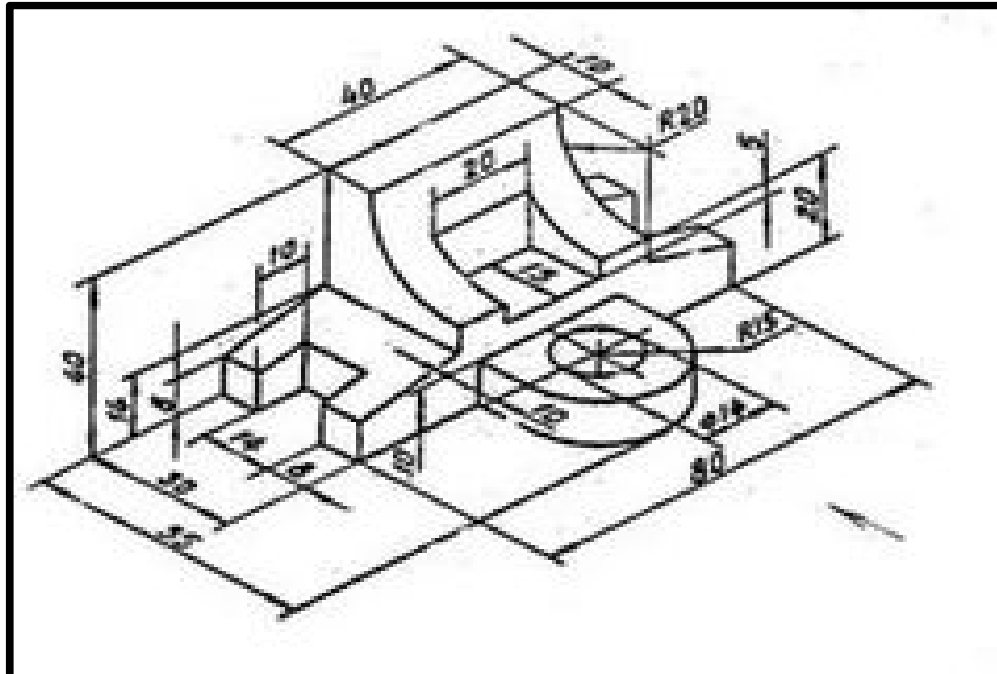
Result:

Thus the orthographic projection is drawn.

Exercise No. 5

Date:

1. Create the orthographic projection for the machine component shown in figure



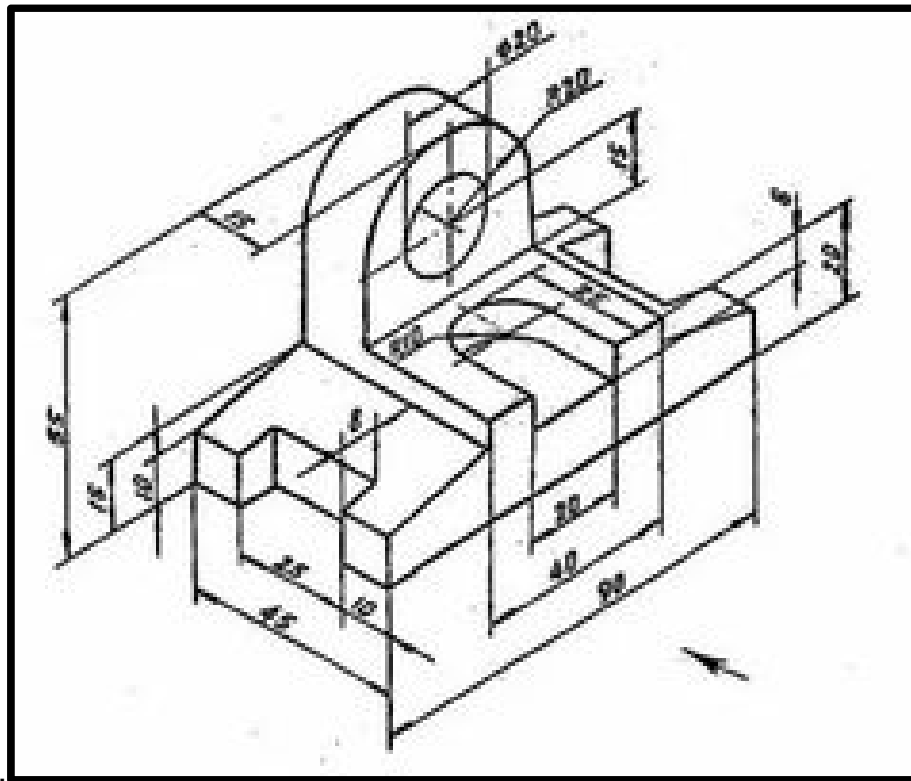
Result:

Thus the orthographic projection is drawn.

Exercise No. 6

Date:

1. Create the orthographic projection for the machine component shown in figure



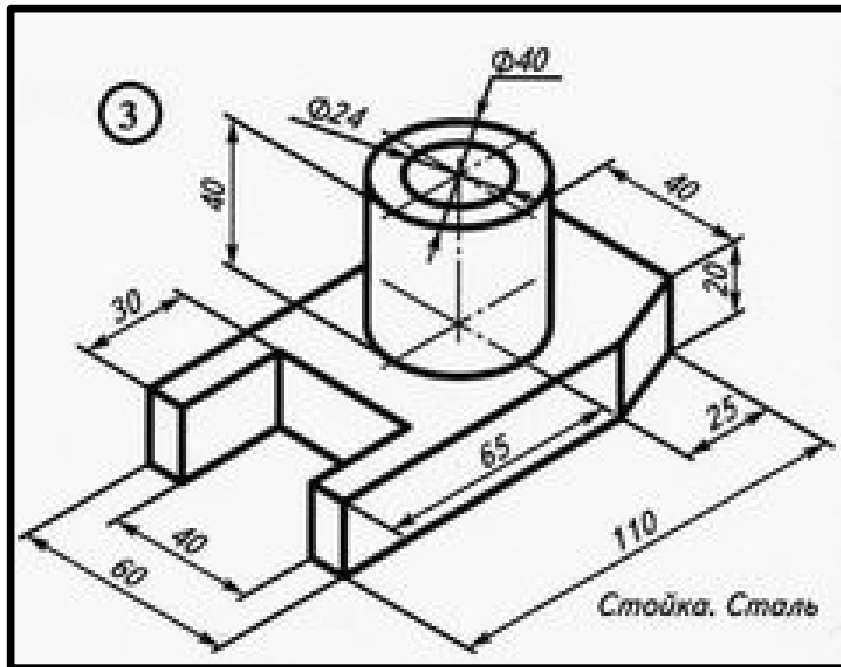
Result:

Thus the orthographic projection is drawn.

Exercise No. 7

Date:

1. Create the orthographic projection for the machine component shown in figure



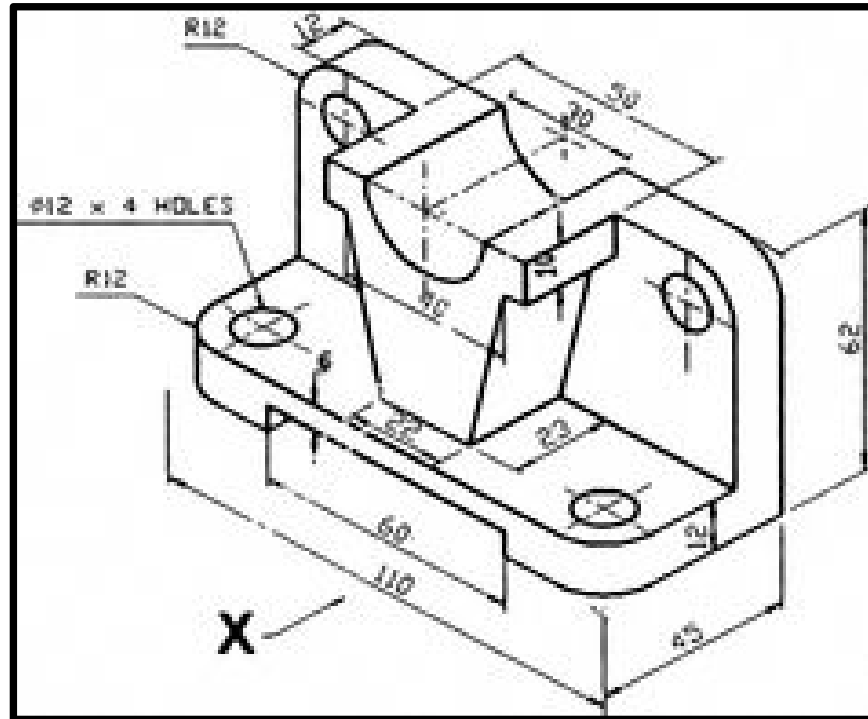
Result:

Thus the orthographic projection is drawn.

Exercise No. 8

Date:

1. Create the orthographic projection for the machine component shown in figure



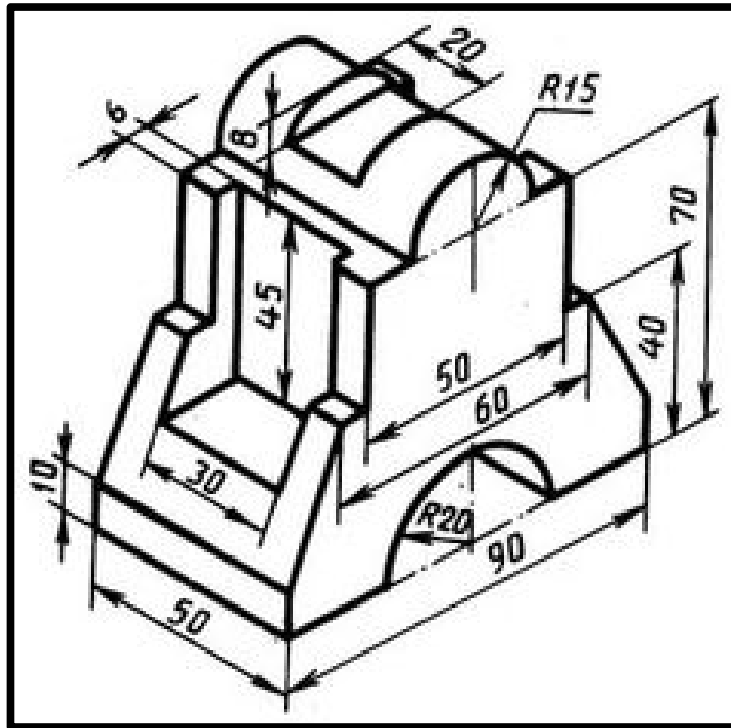
Result:

Thus the orthographic projection is drawn.

Exercise No. 9

Date:

1. Create the orthographic projection for the machine component shown in figure



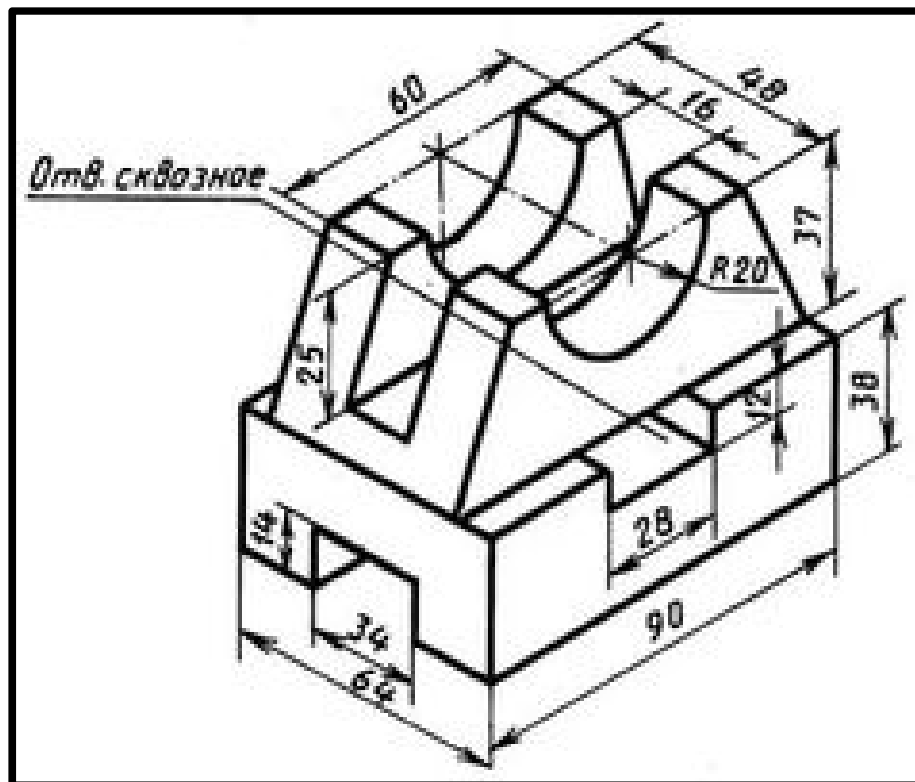
Result:

Thus the orthographic projection is drawn.

Exercise No. 10

Date:

1. Create the orthographic projection for the machine component shown in figure



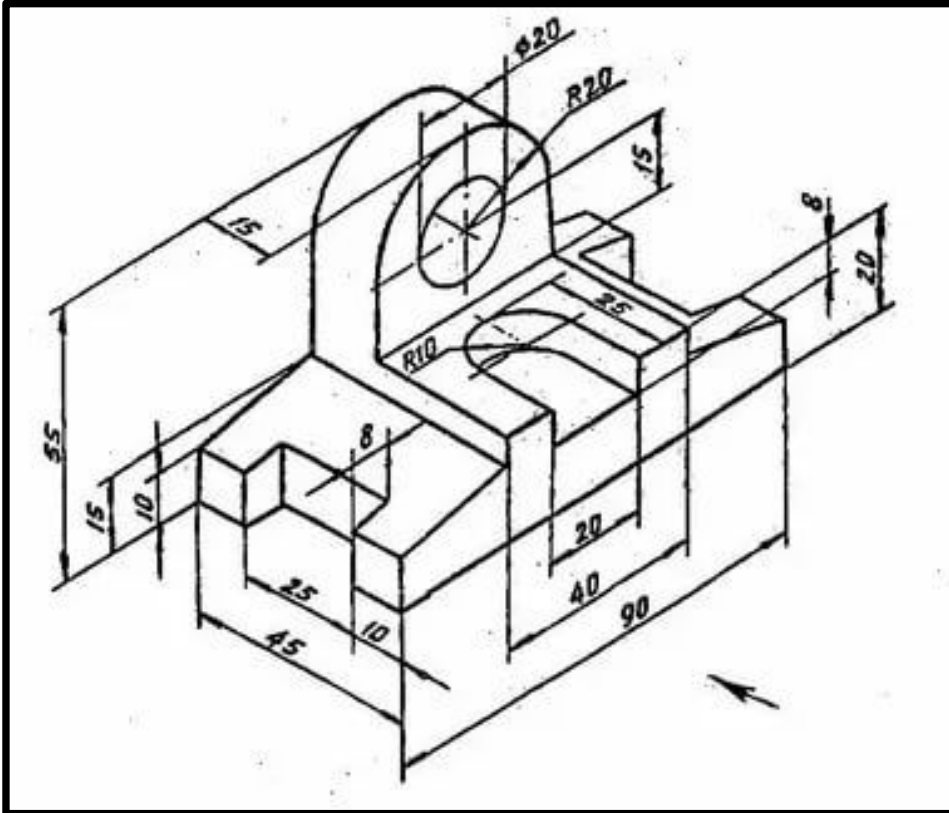
Result:

Thus the orthographic projection is drawn.

Exercise No. 11

Date:

1. Create the orthographic projection for the machine component shown in figure



Result:

Thus the orthographic projection is drawn.

Date:

Isometric view of a mechanical part. The part features a central cylindrical hole with a diameter of $\phi 20$ and a height of 25. The base is a rectangular block with a width of 50 and a depth of 50. The front face has a trapezoidal cutout with a top width of 20, a bottom width of 46, and a height of 25. The side face has a trapezoidal cutout with a top width of 15, a bottom width of 27, and a height of 25. The total height of the part is 50. The part is oriented with the X-axis pointing towards the bottom right.

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