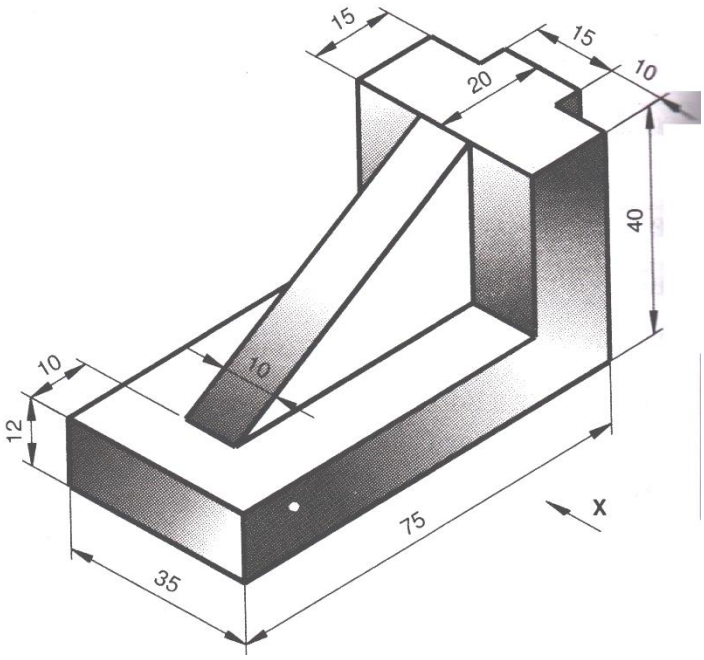
DR. D. Y. PATIL INSTITUTE OF TECHNOLOGY, PIMPRI

Department of First Year Engineering

Sub: - Engineering Graphics I **Unit: - 04 Orthographic Projections**

01



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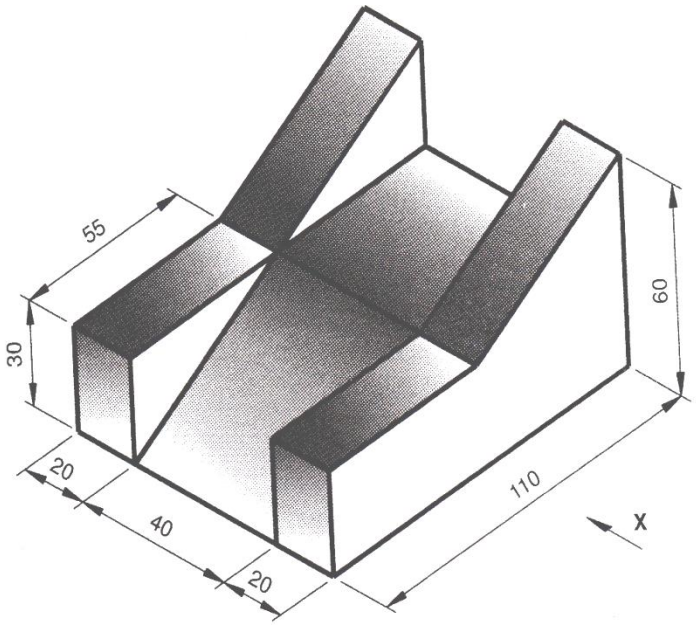

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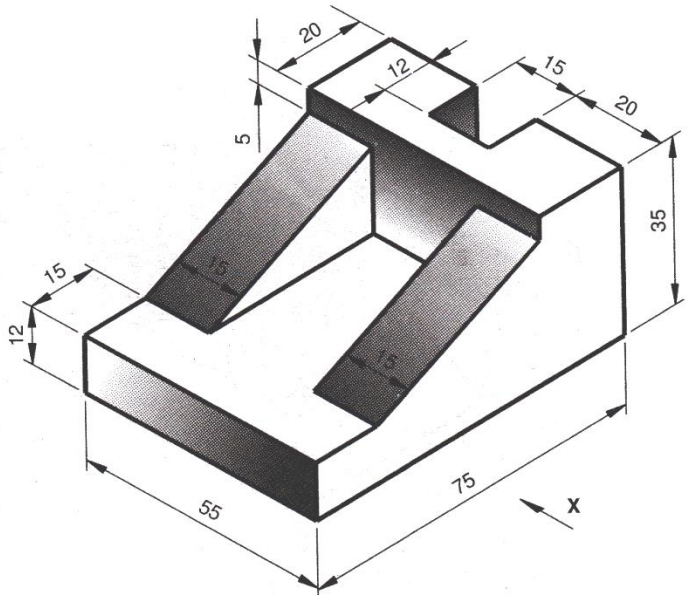

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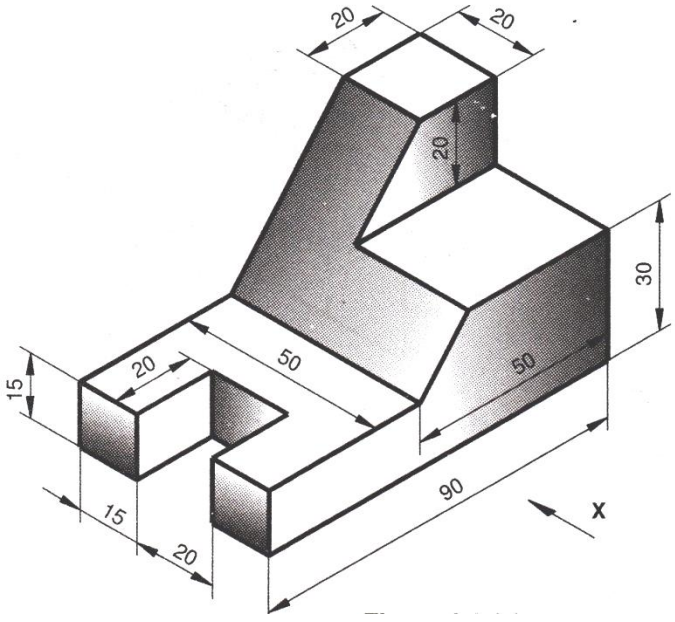

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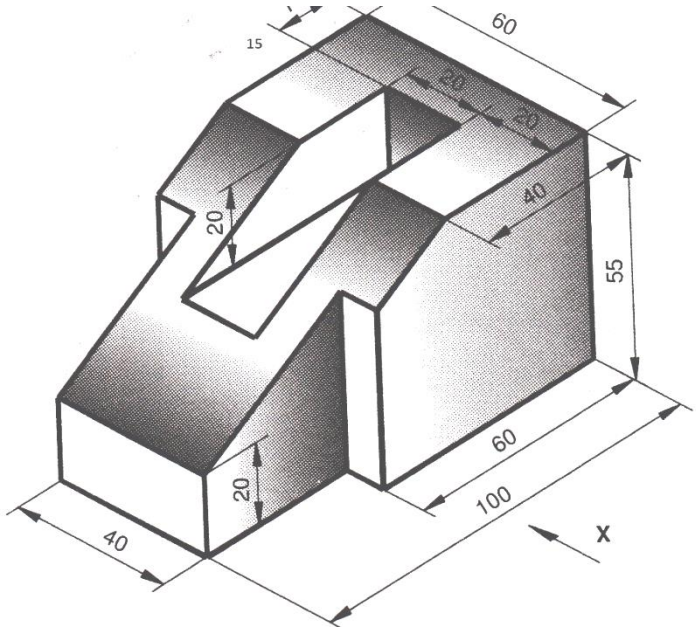

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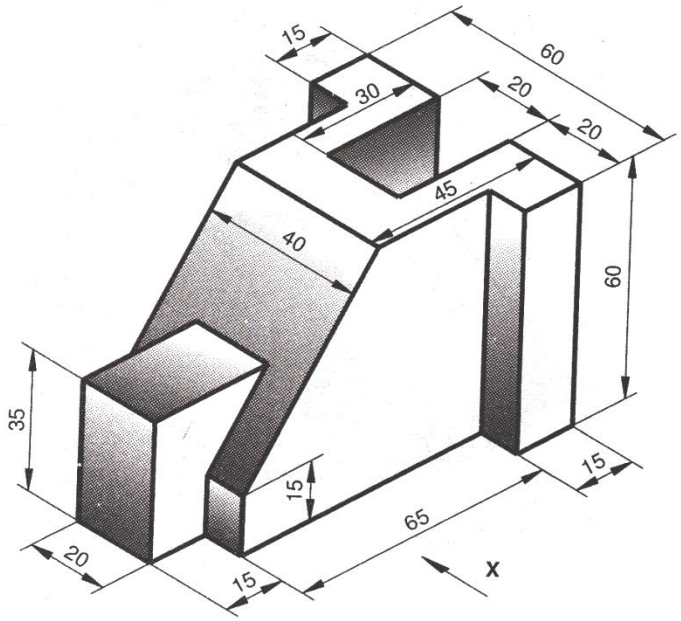

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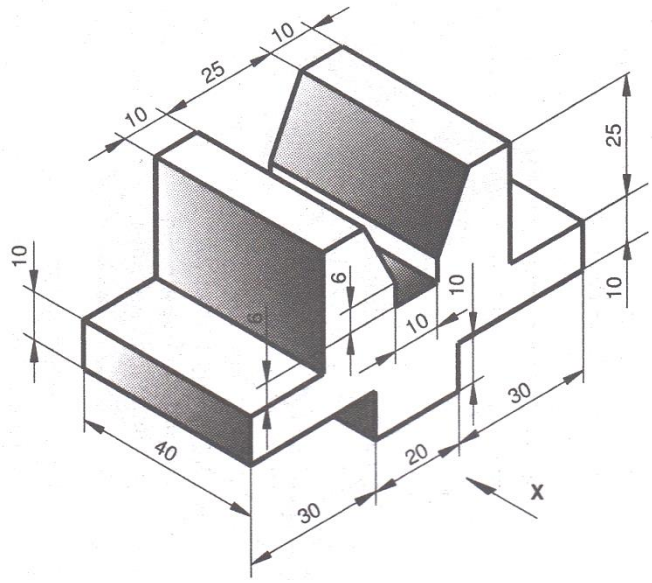

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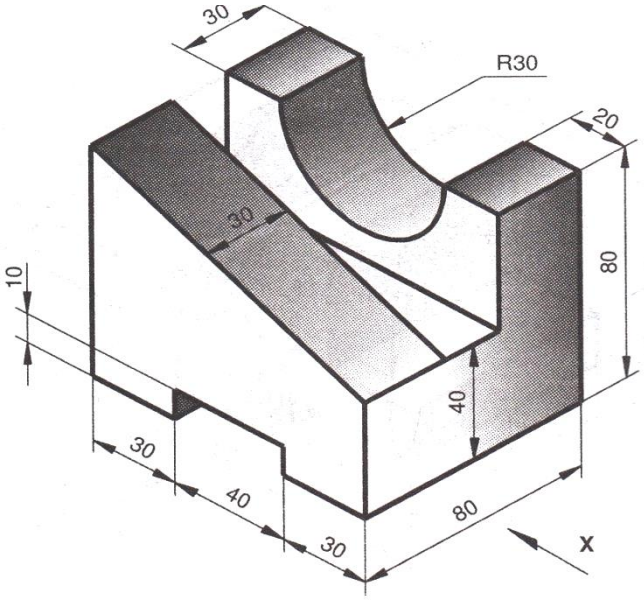

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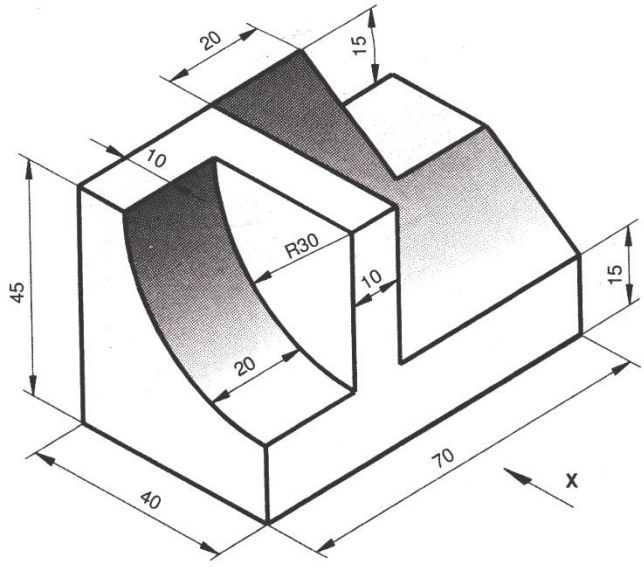

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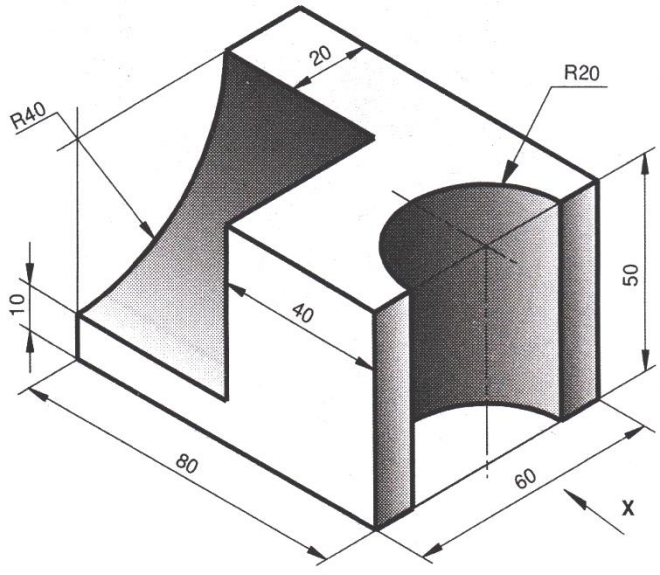

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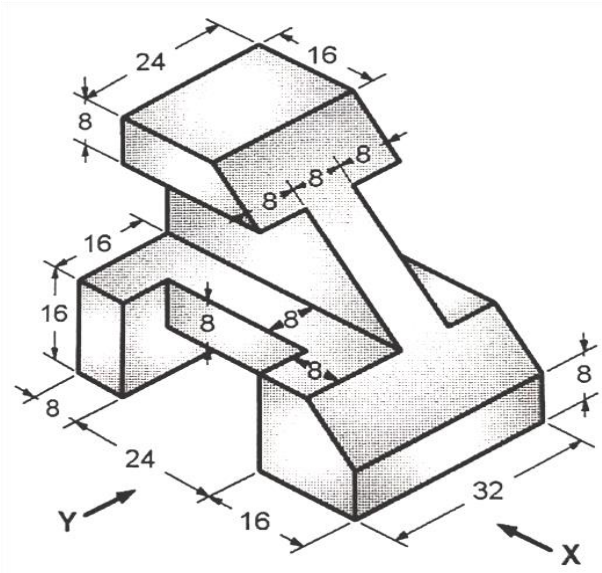

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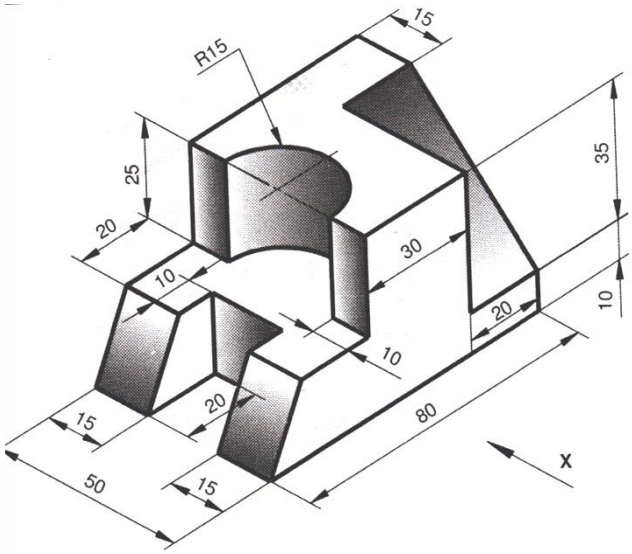

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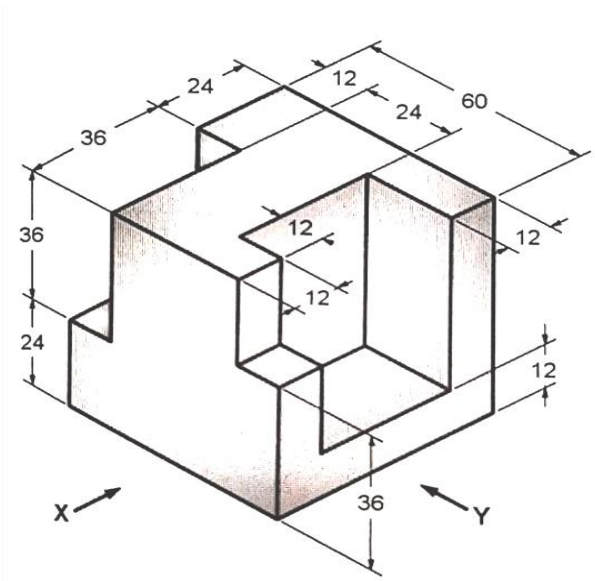

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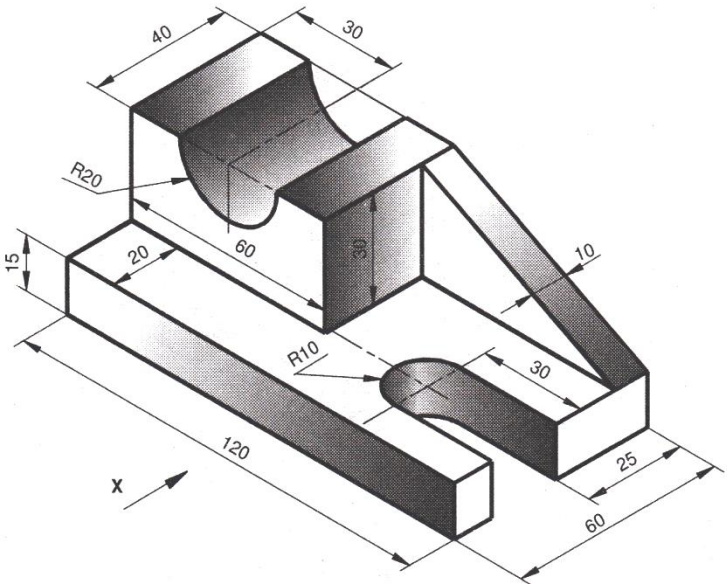

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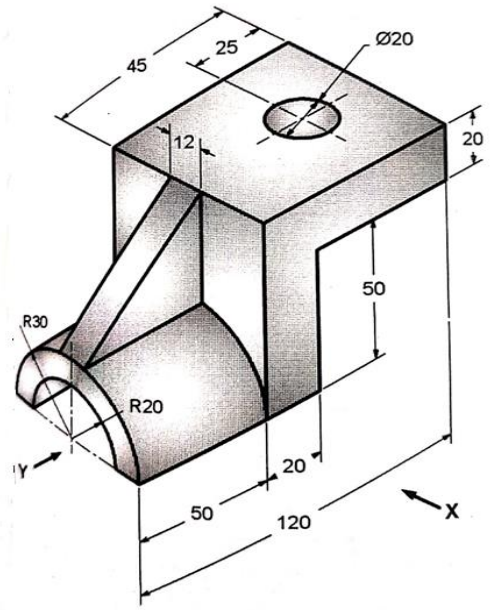

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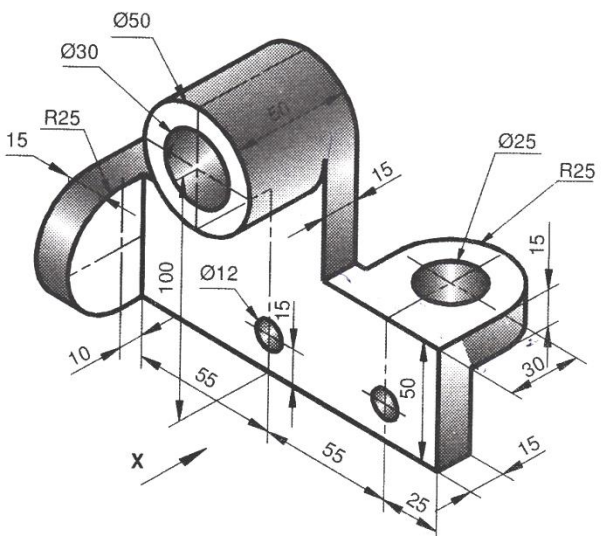

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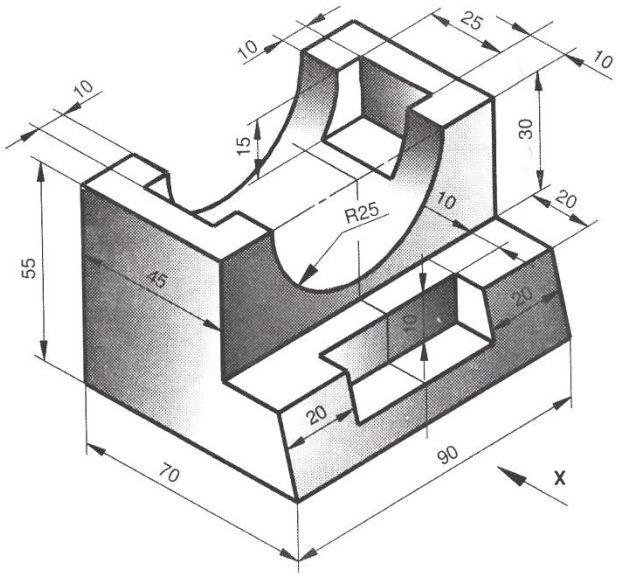

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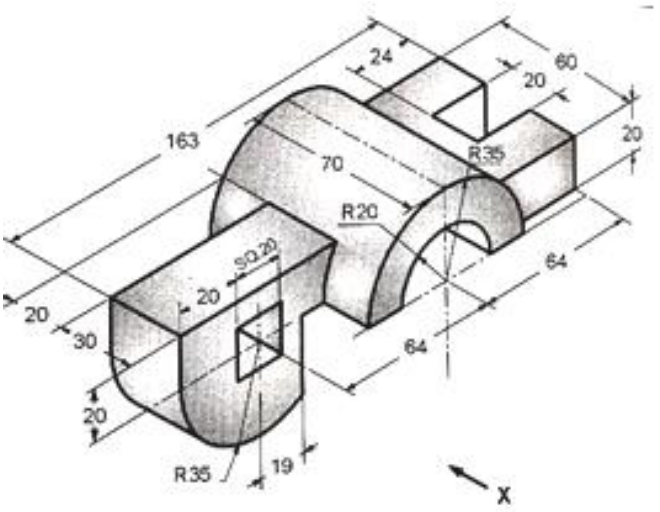

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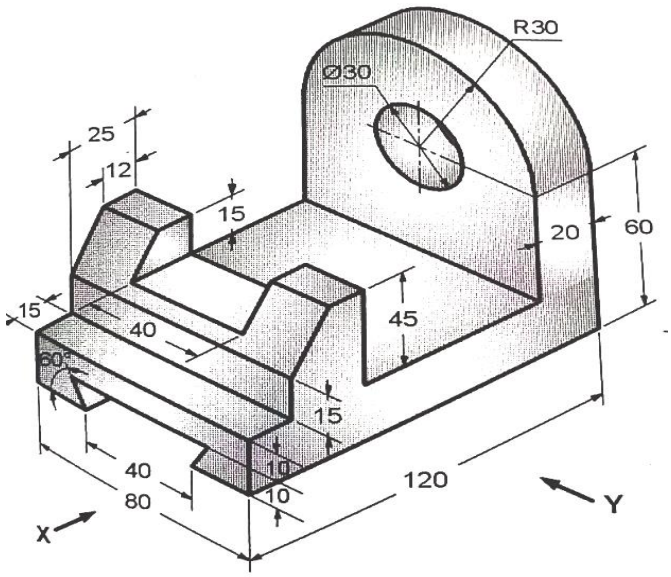

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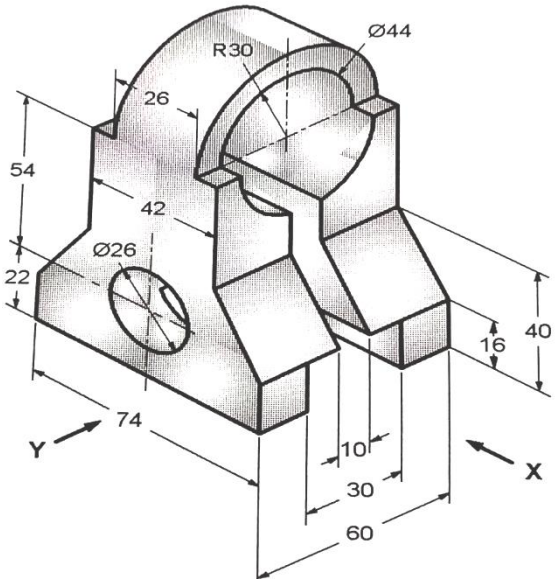

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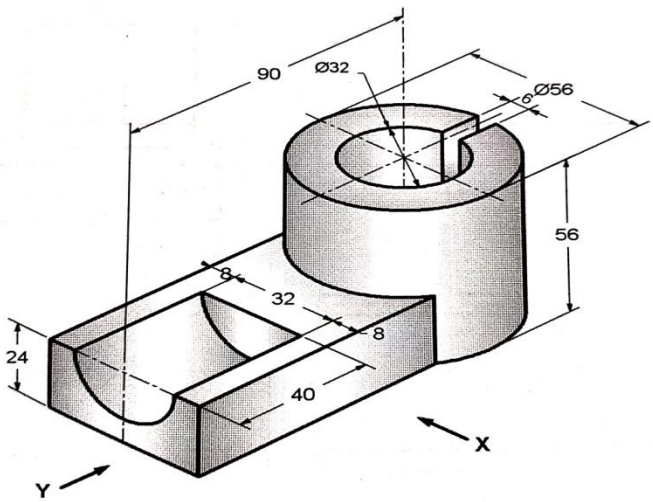

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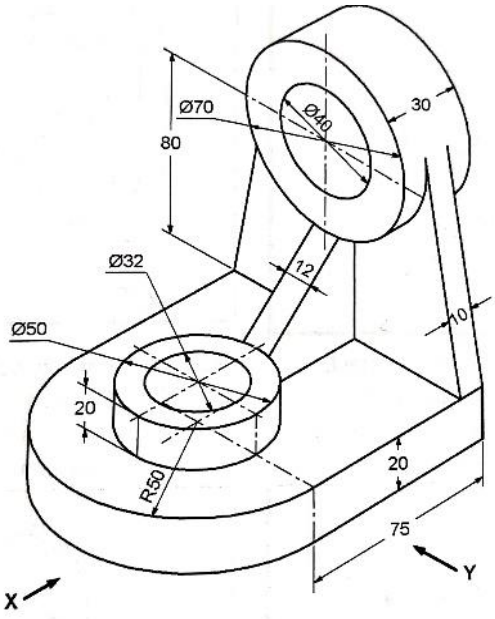

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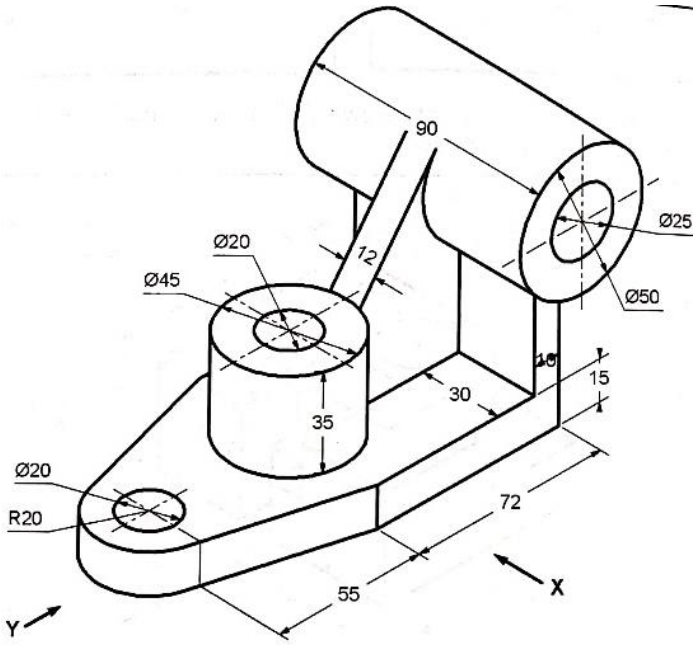
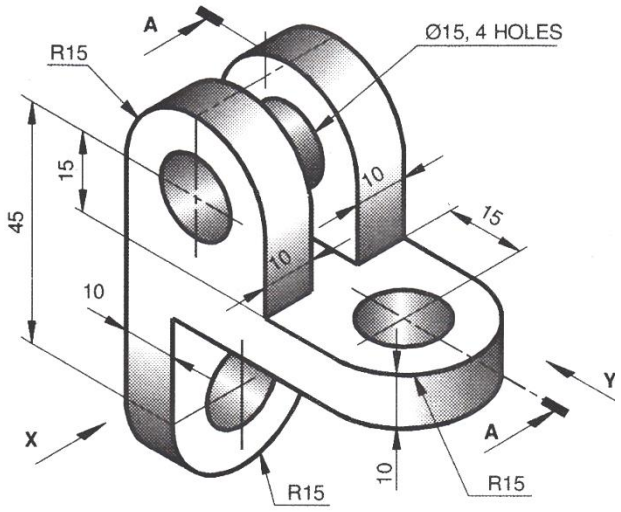
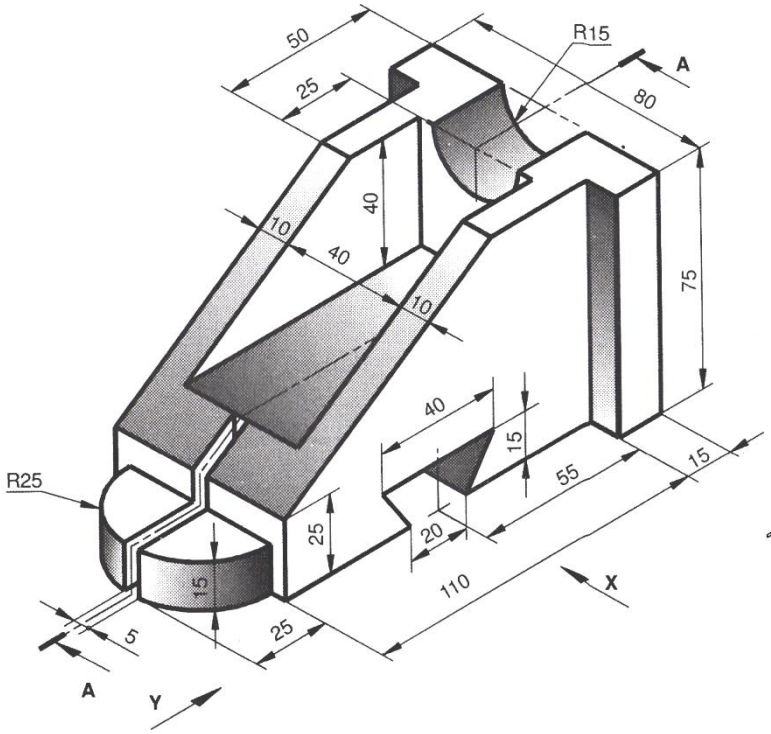

90
Ø25
Ø20
12
Ø45
Ø50
15
30
35
Ø20
R20
72
55
X
Y

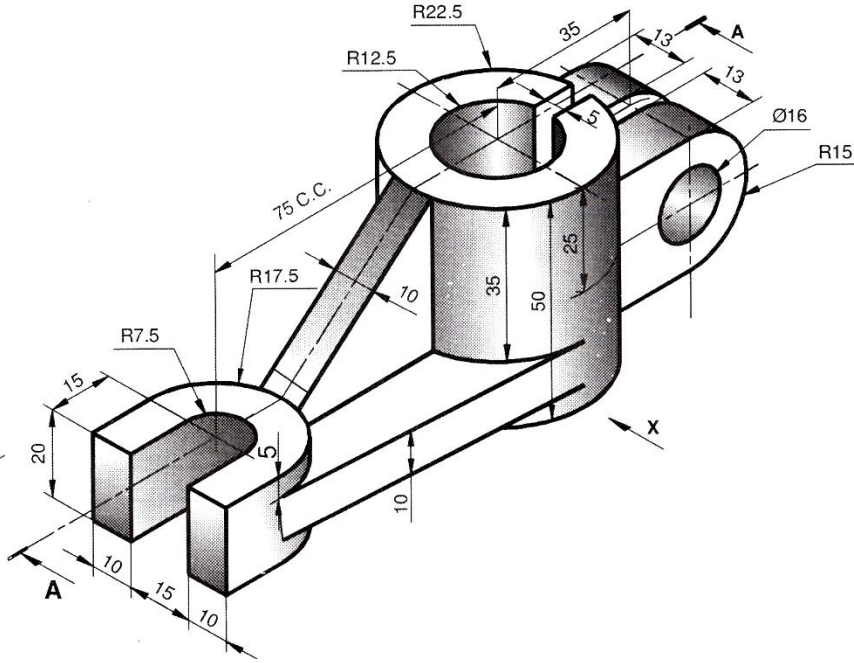
24


A
R15
Ø15, 4 HOLES
15
45
10
10
15
10
10
X
Y
A
R15
R15

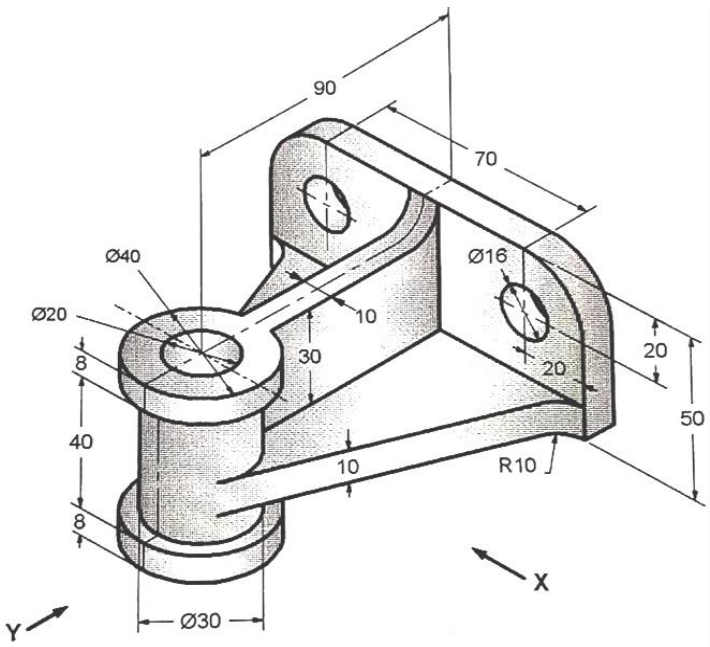
25


50
25
R15
A
80
40
10
40
10
75
40
15
55
15
R25
25
20
15
110
X
5
25
A
Y

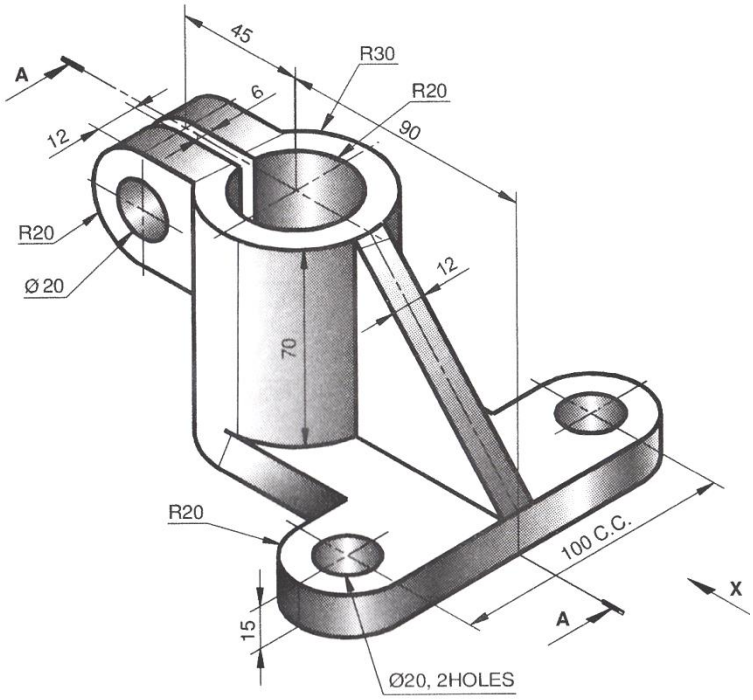
26


R22.5
35
13
A
R12.5
13
Ø16
5
R15
75 C.C.
R17.5
10
35
50
25
R7.5
15
20
5
10
X
A
10
15
10

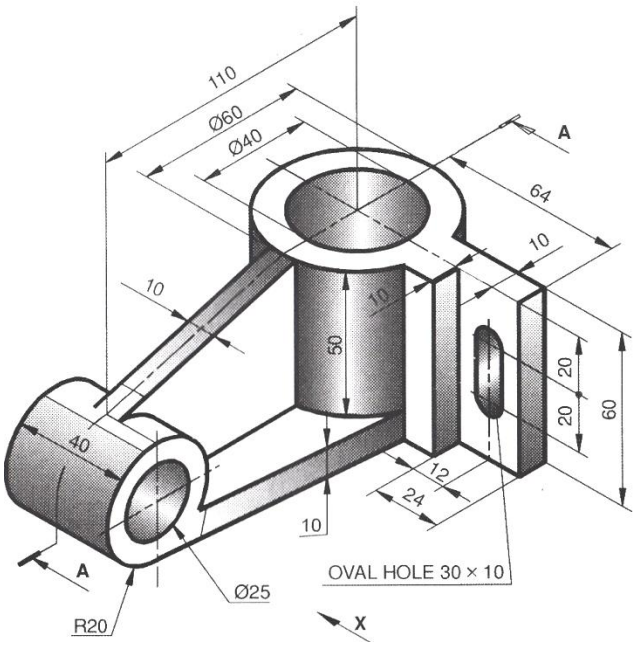
27


90
70
Ø40
Ø16
Ø20
10
30
20
20
8
40
50
10
R10
8
X
Y
Ø30

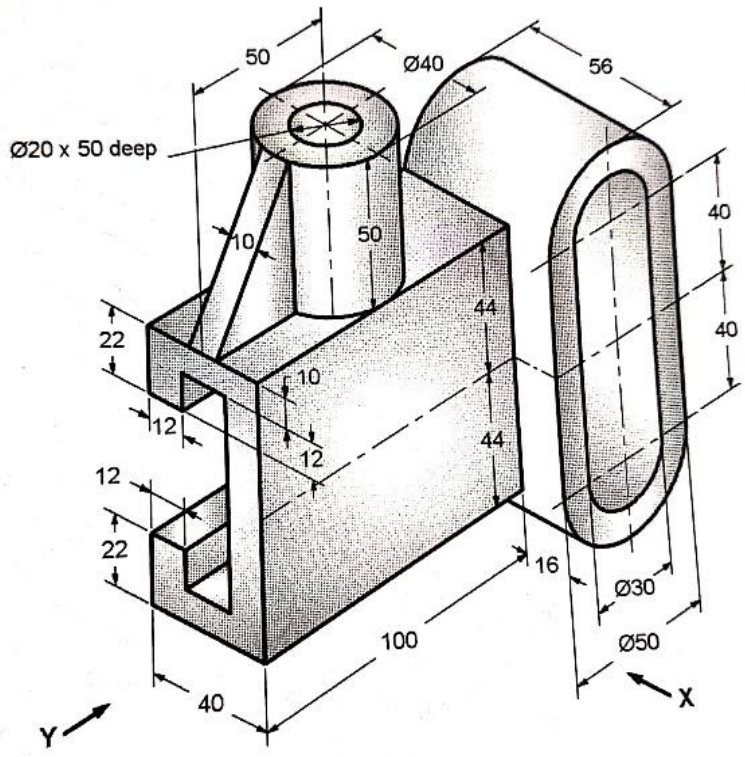
28


45
R30
R20
A
6
12
90
R20
Ø 20
12
70
R20
100 C.C.
X
A
15
Ø20, 2HOLES

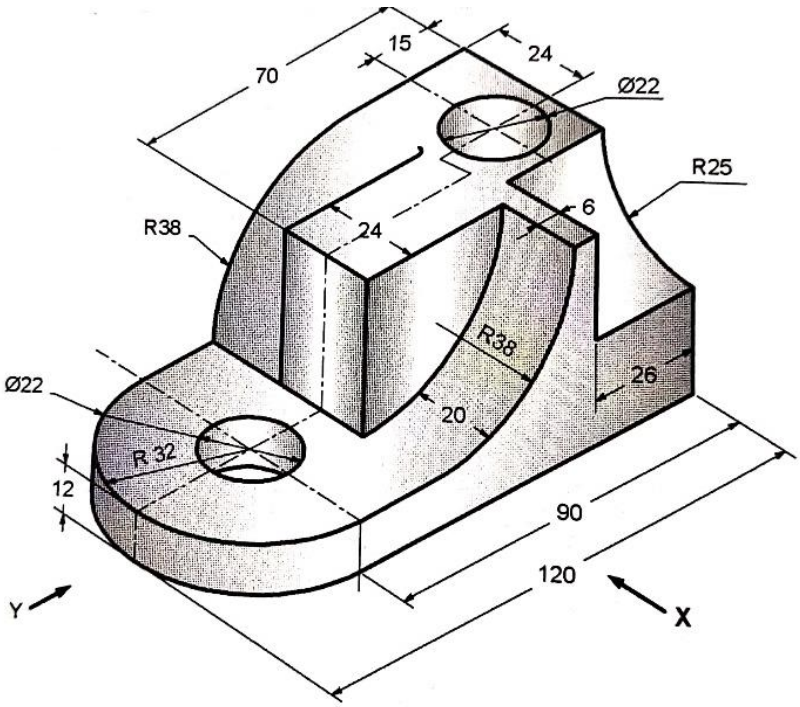
29


110
Ø60
Ø40
A
64
10
10
10
50
20
20
60
40
12
24
10
A
Ø25
OVAL HOLE 30 × 10
R20
X

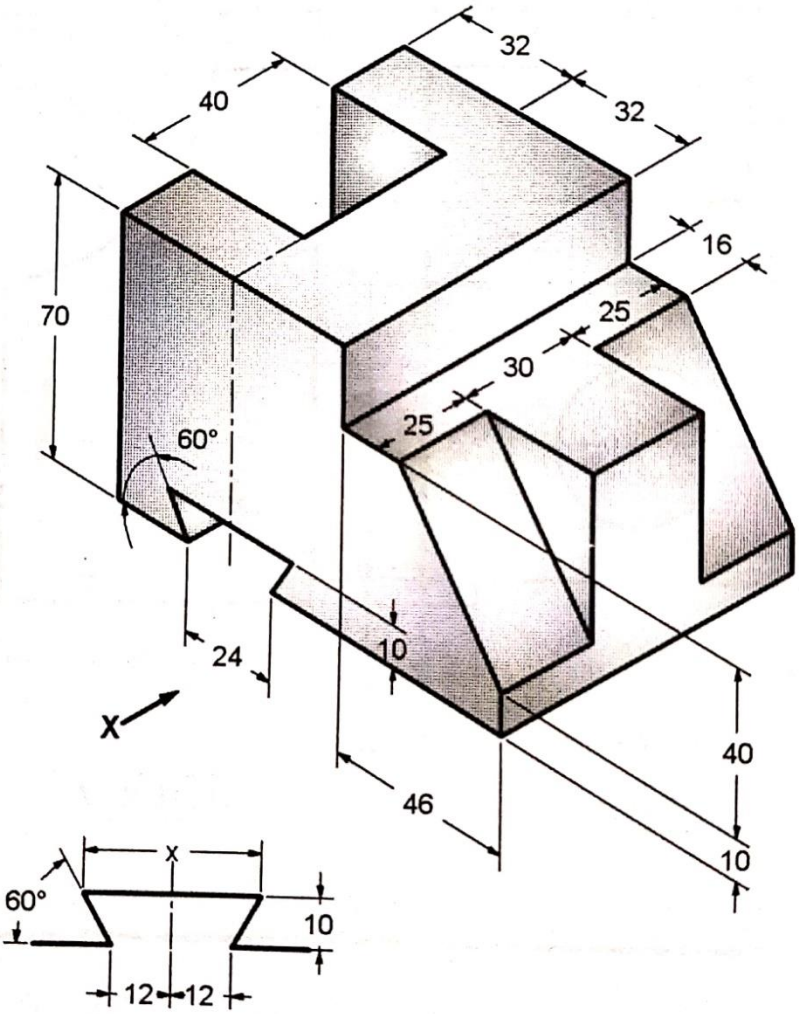
30


50
Ø40
56
Ø20 x 50 deep
40
10
50
40
44
22
10
12
12
44
12
22
16
Ø30
100
Ø50
40
Y
X

31.


70
15
24
Ø22
R25
R38
24
6
R38
26
Ø22
20
R 32
12
90
120
Y
X

32.


32
40
32
16
70
25
30
25
60°
24
10
X
40
46
10
X
60°
10
12
12

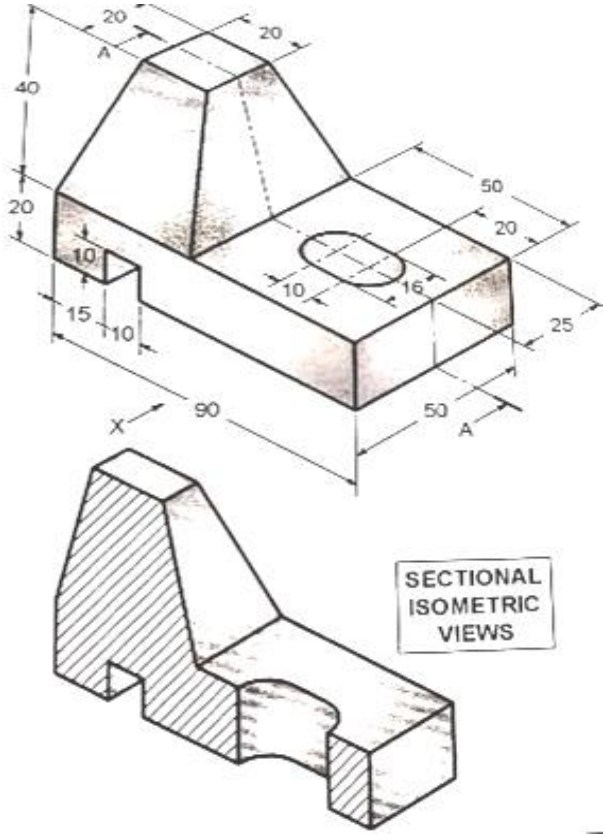
Dr. D. Y. Patil Institute of Technology, Pimpri

Department of First Year Engineering

Sub: - Engineering Graphics I Unit: - 04 - Orthographic Projections

SECTIONAL VIEWS:

1.



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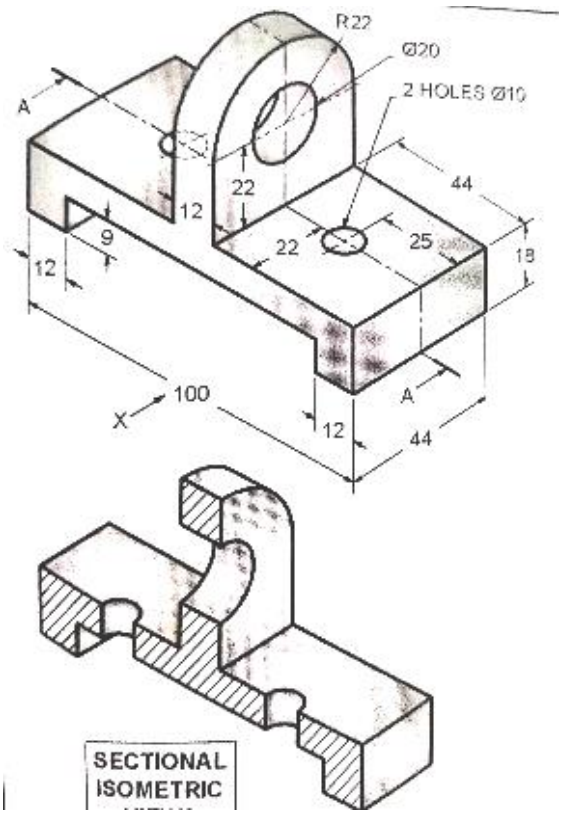

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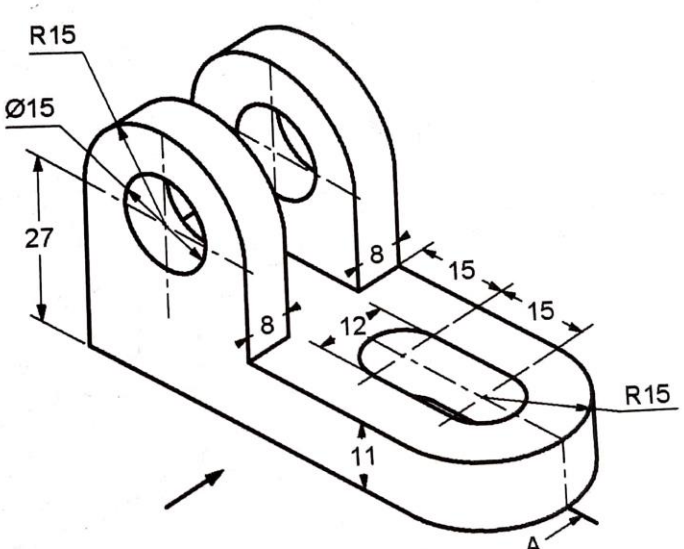

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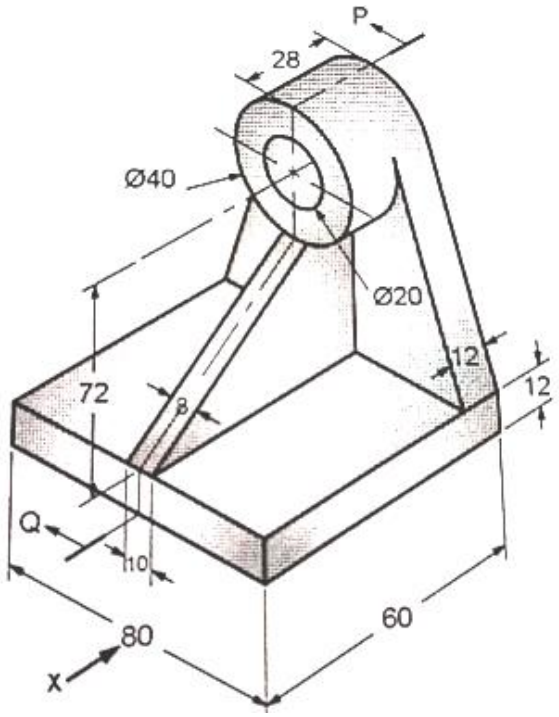
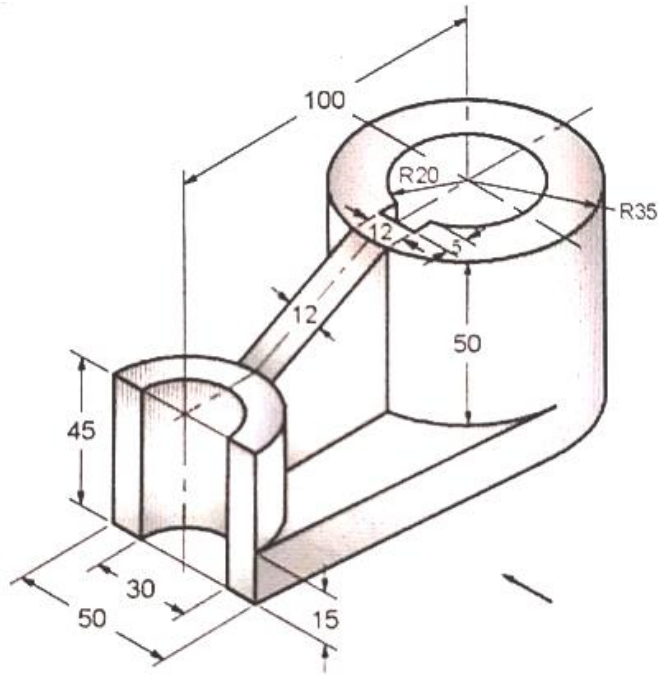
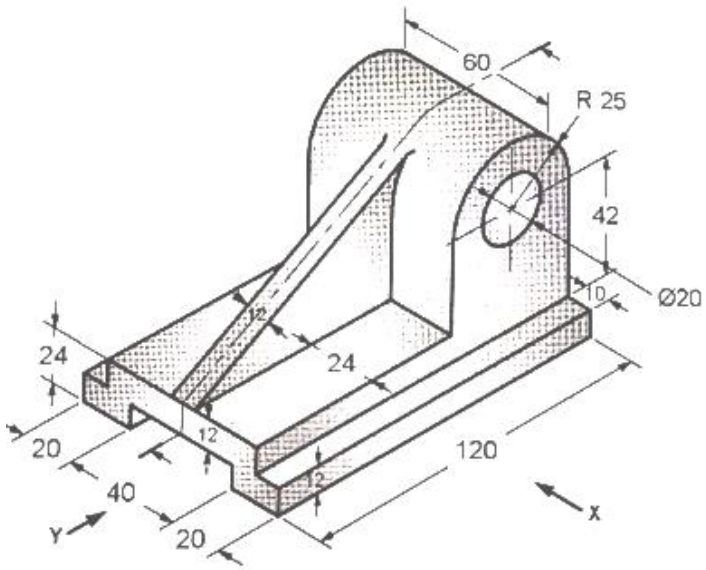

P
28
Ø40
Ø20
12
12
72
8
Q
10
80
60
X

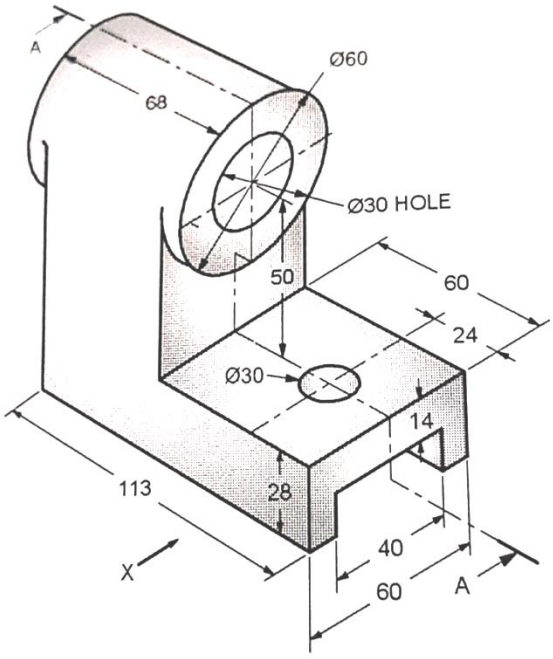
5.


100
R20
R35
12
5
12
50
45
30
50
15

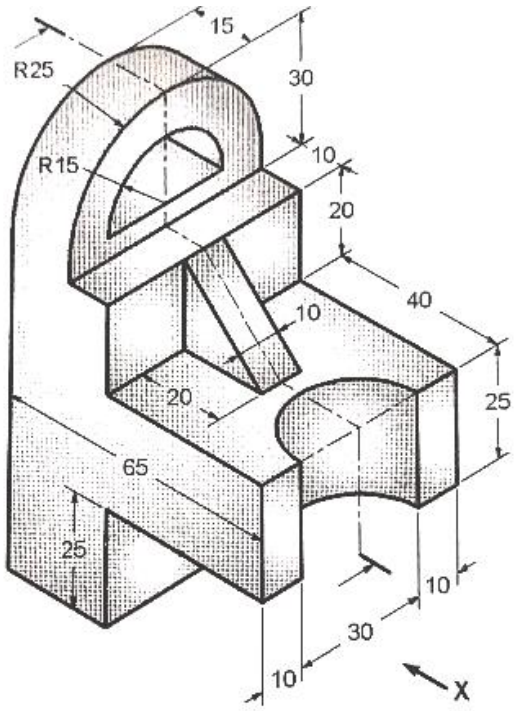
6.


60
R 25
42
10
Ø20
12
24
24
20
12
40
20
120
12
Y
X

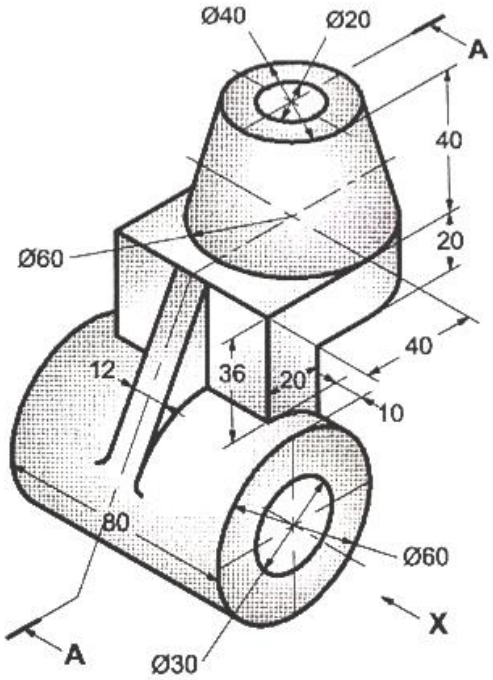
7.


A
Ø60
68
Ø30 HOLE
50
60
24
Ø30
14
113
28
40
60
X
A

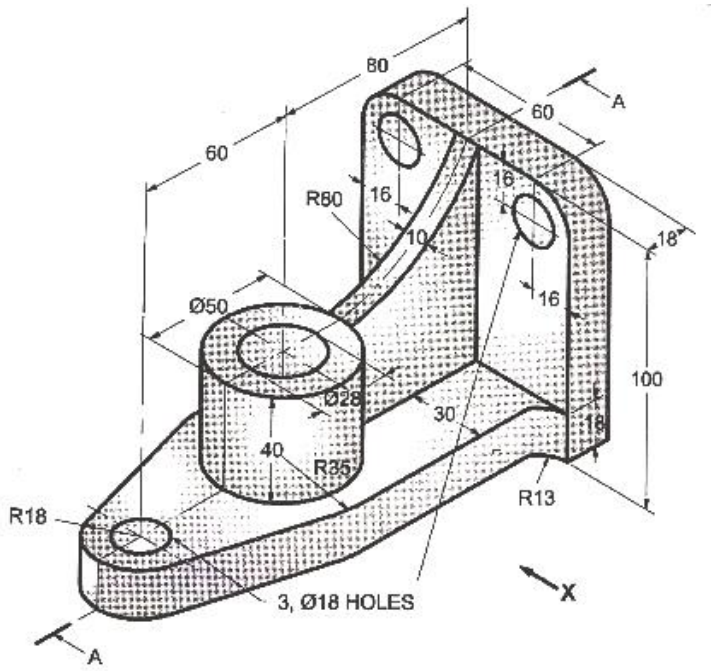
8.


15
R25
30
10
R15
20
40
10
20
25
65
25
10
30
10
X

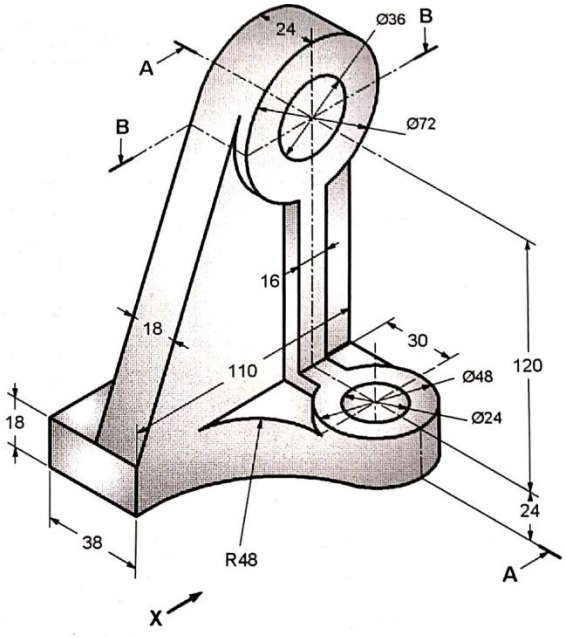
9.


Ø40
Ø20
A
40
20
Ø60
40
12
36
20
10
80
Ø60
A
Ø30
X

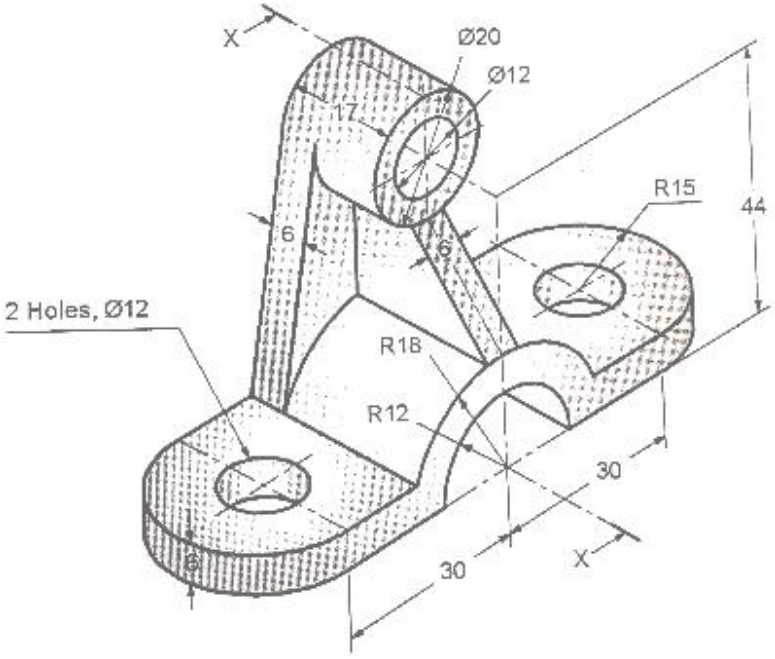
10.


80
60
60
A
R80
16
16
10
18
Ø50
16
100
Ø28
30
40
R35
R13
R18
3, Ø18 HOLES
X
A

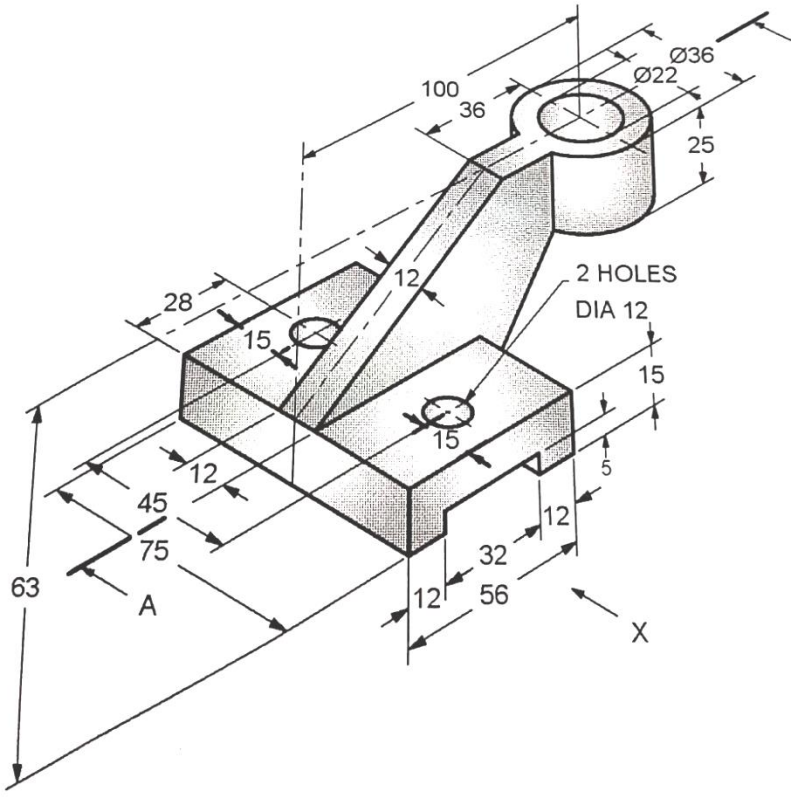
11.


24
Ø36
B
A
B
Ø72
16
18
30
110
Ø48
120
18
Ø24
24
38
R48
A
X

12.


X
Ø20
Ø12
17
R15
44
6
6
2 Holes, Ø12
R18
R12
30
30
X

13.


100
36
Ø36
Ø22
25
12
2 HOLES
DIA 12
28
15
15
15
5
12
45
75
A
63
12
32
12
56
X