

Kandula Srinivasa Reddy Memorial College of Engineering (Autonomous)

Kadapa-516003. AP

(Approved by AICTE, Affiliated to JNTUA, Ananthapuramu, Accredited by NAAC)

(An ISO 9001-2008 Certified Institution)

Department of Mechanical Engineering



Certification Course

on

"AUTOCAD"

Resource Person : 1. Sri P.SIVASESH, Assistant Professor, Dept. Of ME, KSRMCE

Course Coordinator : 1. Sri D.MERWIN RAJESH, Assistant Professor, Dept. Of ME, KSRMCE

Date: 13/07/21 to 30/07/21



K.S.R.M. COLLEGE OF ENGINEERING

(UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India- 516 003

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution

Lr./KSRMCE/ME/2021-22/

Date: 8-07-2021

To
The Principal,
KSRMCE,
Kadapa.

Sub: Permission to Conduct Certificate Course on "AUTO CAD" from 13/07/21 to 30/07/21- Reg.

Respected Sir,

The Department of Mechanical Engineering is planning to offer a certification course on "AUTO CAD" to B. Tech. students. The course will be conducted from 13/07/21 to 30/07/21. In this regard, we are requesting you to grant permission to conduct certificate course.

Thanking you

Yours faithfully

(Sri Sri P.SivaSeshu, Assistant Professor)

Forwarded to Principal Sir.
G. S. S. S.

Permitted
V. S. S. Ann/5



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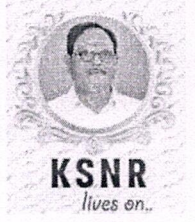
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Cr./KSRMCE/ME/2021-22/

Date: 7/07/2021

Circular

The Department of Mechanical Engineering is offering a certification course on "AUTO CAD" From 13/07/21 to 30/07/21 to B.Tech students. In this regard, interested students are required to register for the Certification Course. The registration link is given below.

<https://docs.google.com/forms/d/1sB3FGPssQ9mN18IDri43Ad7jGgwZ9Kiz-ywk6u3R9Zg/edit>

The Course Coordinators and Resource Persons

1. Sri P.SivaSeshu, Assistant Professor, Dept.of ME, KSRMCE
2. Sri M. Mervin Rajesh, Assistant Professor, Dept.of ME, KSRMCE

Cc to:

IQAC-KSRMCE

HoD

Professor & head
Department of Mechanical Engineering
K.S.R.M. College of Engineering
KADAPA - 516 003.



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12/07/21, 12:07 PM

Registration for Certificate Course on "AUTOCAD" from 13-07-2021 to 30-07-2021

**Registration for Certificate Course on
"AUTOCAD"
from 13-07-2021 to 30-07-2021**

1. ROLL NO.

2. FULL NAME

3. COLLEGE NAME

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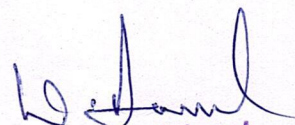
Google Forms

<https://docs.google.com/forms/d/1sB3FGPssQ9mN18lDri43Ad7jGgwZ9Kiz-ywk6u3R9Zg/edit>

LIST OF PARTICIPANTS FOR AUTOCAD

S.NO	ROLL NO.	TIME STAMP	FULL NAME	COLLEGE NAME
1	199Y1A0302	11/7/2021 15:46	B SRINIDHI SAI	KSRMCE
2	199Y1A0303	11/7/2021 16:34	BANDI SHIVA REDDY	KSRMCE
3	199Y1A0304	11/7/2021 15:52	CHAGANTI SUNIL KUMAR REDDY	KSRMCE
4	199Y1A0305	11/7/2021 15:48	CHEPPALI AMATHYA	KSRMCE
5	199Y1A0306	11/7/2021 14:28	CHIRUCHAPALA ABDUL SUBAHAN	KSRMCE
6	199Y1A0307	11/7/2021 16:15	DEVAPATLA BHARATH SIMHA REDDY	KSRMCE
7	199Y1A0308	11/7/2021 15:22	DUDIMANI SAI SRUJAN KUMAR	KSRMCE
8	199Y1A0310	11/7/2021 14:45	GANGALA VENKATA PRATHAP	KSRMCE
9	199Y1A0311	11/7/2021 15:35	GANUGAPENTA BHARATH	KSRMCE
10	199Y1A0312	11/7/2021 17:45	GODDENDLA ASHOK KUMAR	KSRMCE
11	199Y1A0313	11/7/2021 15:40	GUDURU SUBHAN	KSRMCE
12	199Y1A0315	11/7/2021 15:40	KAPURAM VAMSINATH REDDY	KSRMCE
13	199Y1A0316	11/7/2021 16:35	KETHIREDDY NAVEEN KUMAR REDDY	KSRMCE
14	199Y1A0317	11/7/2021 15:25	KONANGI SUBBANNA	KSRMCE
15	199Y1A0319	11/7/2021 17:29	KOTHAPALLE VAMSIDHAR REDDY	KSRMCE
16	199Y1A0320	11/7/2021 15:55	KUMMARI MANJUNATH	KSRMCE
17	199Y1A0321	11/7/2021 15:15	KUMMETHA SAI KUMAR REDDY	KSRMCE
18	199Y1A0322	11/7/2021 18:07	L M VINAY KUMAR	KSRMCE
19	199Y1A0324	11/7/2021 14:10	MALEPATI SIVA SAI REDDY	KSRMCE
20	199Y1A0325	11/7/2021 18:35	MANJUNATHA DINESH KUMAR	KSRMCE
21	199Y1A0326	11/7/2021 16:36	MARKAPURAM MYSORA REDDY	KSRMCE
22	199Y1A0327	11/7/2021 15:46	MEDIMALA KIRAN KUMAR	KSRMCE
23	199Y1A0328	11/7/2021 16:22	MOGHAL JUNAID BAIG	KSRMCE
24	199Y1A0329	11/7/2021 17:09	MOLAKALA SREEKANTH REDDY	KSRMCE
25	199Y1A0330	11/7/2021 14:16	MOYILLA CHARAN REDDY	KSRMCE
26	199Y1A0331	11/7/2021 16:29	NADIMINTI NAVANEETH KUMAR	KSRMCE
27	199Y1A0332	12/7/2021 17:55	NAGULAGARI VENKATA SANDEEP KUMAR REDDY	KSRMCE
28	199Y1A0334	12/7/2021 18:42	PALLETI VAMSIDHAR REDDY	KSRMCE
29	199Y1A0335	12/7/2021 15:43	PASUPALA RAVI KUMAR	KSRMCE
30	199Y1A0336	12/7/2021 14:28	PATHAN KHALEELULLA KHAN	KSRMCE
31	199Y1A0337	12/7/2021 15:18	PULAKONDAM BHEEMAI AH	KSRMCE
32	199Y1A0338	12/7/2021 18:48	REDDAM VEERA TEJASWAR REDDY	KSRMCE
33	199Y1A0339	12/7/2021 15:26	S K RAJESH	KSRMCE
34	199Y1A0340	12/7/2021 14:47	SAGIRAJU DILLI VARMA	KSRMCE
35	199Y1A0341	12/7/2021 15:51	SHAIK ABDUL RASHEED	KSRMCE
36	199Y1A0343	12/7/2021 16:15	SHAIK GHOUSE BASHA	KSRMCE
37	199Y1A0344	12/7/2021 16:32	SHAIK KURNOOL DADA KHALANDAR	KSRMCE
38	199Y1A0345	12/7/2021 14:15	SHAIK MAHAMMED MANSOOR	KSRMCE
39	199Y1A0347	12/7/2021 16:43	SHAIK MOHAMMED SAJID	KSRMCE
40	199Y1A0348	12/7/2021 17:45	SHAIK MOHAMMED SHOAIB AKTHAR	KSRMCE
41	199Y1A0349	12/7/2021 15:45	SHAIK NAYEEMUR RAHMAN	KSRMCE
42	199Y1A0350	12/7/2021 16:45	SHAIK ZABEEULLA	KSRMCE
43	199Y1A0352	12/7/2021 15:45	SUDA ABHILASH KUMAR REDDY	KSRMCE
44	199Y1A0353	12/7/2021 18:45	SUNKESULA BABA SAB	KSRMCE
45	199Y1A0354	12/7/2021 15:45	SYED ASLAM	KSRMCE
46	209Y5A0301	12/7/2021 17:45	ACHUKATLA NUMAIR	KSRMCE
47	209Y5A0302	12/7/2021 15:45	BHOJANAPALLE NAGA SIVA	KSRMCE
48	209Y5A0303	12/7/2021 16:45	BIJJE PURUSHOTHAM	KSRMCE
49	209Y5A0304	12/7/2021 17:25	BUCHUPALLI SIVA PRASAD REDDY	KSRMCE
50	209Y5A0305	12/7/2021 17:45	CHINNI GURU PRASAD	KSRMCE

LIST OF PARTICIPANTS FOR AUTOCAD				
S.NO	ROLL NO.	TIME STAMP	FULL NAME	COLLEGE NAME
51	209Y5A0306	12/7/2021 15:45	CHINTHAGINJALA VENKATA SUBBARAYUDU	KSRMCE
52	209Y5A0307	12/7/2021 15:45	CHITRALA VENKATA SWAMY SETTY	KSRMCE
53	209Y5A0308	12/7/2021 15:45	DAKALA SRINIVASULU	KSRMCE
54	209Y5A0309	12/7/2021 14:45	DHARA SUNIL KUMAR	KSRMCE
55	209Y5A0310	12/7/2021 15:45	ESLAVATH RAVI NAIK	KSRMCE
56	209Y5A0311	12/7/2021 18:45	GORLA CHARAN KUMAR REDDY	KSRMCE
57	209Y5A0312	12/7/2021 15:45	GUDISHA DILIP KUMAR	KSRMCE
58	209Y5A0313	12/7/2021 14:45	GUTTURU GIRISHKUMAR REDDY	KSRMCE
59	209Y5A0314	12/7/2021 15:45	JAMPANGI OBULESU	KSRMCE
60	209Y5A0315	12/7/2021 18:45	JONNADULA SATISH	KSRMCE


Professor & head
 Department of Mechanical Engineering
 K.S.R.M. College of Engineering
 KADAPA - 516 003.

Syllabus Of Certification Course

Course Name: AUTO CAD

Duration: 30 Hours;

INTRODUCTION ON AUTOCAD: AutoCAD is computer-aided design software that is used to create, modify, analysis and optimise a design. Students will learn that this software is used by architects, engineers, and for the construction purpose of generating 2D and 3D designs.

INTERDICTION OFAUTOCAD:- Introduction Of AUTOCAD

- AutoCAD versions Interface, Function keys AutoCAD basics
- Absolute Coordinate System, Relative Coordinate System, Line command Poly line command Rectangle command
- Modify commands-Move ,Rotate, Scale, copy, Mirror, erase, trim, extend, Linear, Aligned, Radius Angular, Arc length
- Text command Layers blocks-Single line text Multiline text Layer properties Insert blocks,Parametric-Geometric, Dimensional Manage
- Isometric top, left, right Isometric diagrams
- Isometric diagrams exercise
- 2D Fundamentals-Drawing units Sheet settings
- Mechanical diagrams- knuckle joint.
- 2d drawings Idler plate Hook drawing

Text books :

- 1) James A. Leach, AutoCAD 2021 Instructor, SDC Publications.
- 2) George Omura, Mastering AutoCAD 2012 and AutoCAD LT 2012.

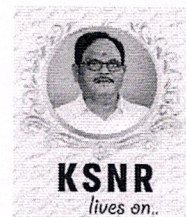


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SCHEDULE

Department of Mechanical Engineering

Certification course

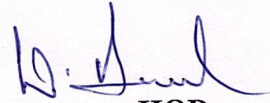
on

“ AUTO CAD ”

Date	Timing	Course Instructor	Topic to be covered
13/07/21	4 PM to 6 PM	P.SivaSeshu	AutoCAD versions Interface, Function keys AutoCAD basics
14/07/21	4 PM to 6 PM	P.SivaSeshu	ABSOLUTE COORDINATE SYSTEM RELATIVE COORDINATE SYSTEM,
15/07/21	4 PM to 6 PM	M. Mervin Rajesh	Modify commands-Move ,Rotate, Scale, copy, Mirror, erase, trim, extend, Linear, Aligned, Radius Angular, Arc length
16/07/21	4 PM to 6 PM	M. Mervin Rajesh	Text command Layers blocks-Single line text Multiline text Layer properties
17/07/21	4 PM to 6 PM	P.SivaSeshu	Isometric top, left, right Isometric diagrams
19/07/21	10AM to 12 Noon	P.SivaSeshu	Line command Poly line command Rectangle command
20/07/21	2 PM to 6 PM	M. Mervin Rajesh	Insert blocks Parametric-Geometric, Dimensional Manage
21/07/21	4 PM to 6 PM	M. Mervin Rajesh	Isometric top, left, diagrams
22/07/21	4 PM to 6 PM	P.SivaSeshu	Isometric diagrams exercise



23/07/21	4 PM to 6 PM	P.SivaSeshu	2D Fundamentals-Drawing units Sheet settings
24/07/21	4 PM to 6 PM	M. Mervin Rajesh	Mechanical diagrams- knuckle joint.
26/07/21	4 PM to 6 PM	M. Mervin Rajesh	2d drawings Idler plate Hook drawing
27/07/21	2 PM to 6 PM	P.SivaSeshu	2d diagram fork
28/07/21	2 PM to 6 PM	P.SivaSeshu	Create and Save AutoCAD Save files Export pdf plot
29/07/21	4 PM to 6 PM	M. Mervin Rajesh	Use the AutoCAD visual reference commands Drawing Area Setup Visual reference
30/07/21	4 PM to 6 PM	P.SivaSeshu	Interactive Input method grid snap mode


HOD
 Professor & Head
 Department of Mechanical Engineering
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Resource Persons : 1. Sri P.SivaSeshu, Assistant Professor, Dept. of ME, KSRMCE

2. Sri M. Mervin Rajesh, Assistant Professor, Dept. of ME, KSRMCE

Course Coordinators: : 1. Sri P.SivaSeshu, Assistant Professor, Dept. of ME, KSRMCE

2. Sri M. Mervin Rajesh, Assistant Professor, Dept. of ME, KSRMCE

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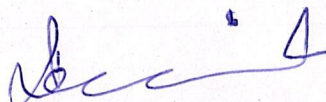
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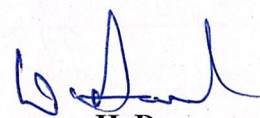
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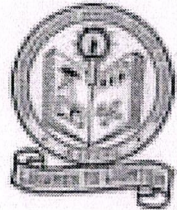
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54	209Y5A0309	DHARA SUNIL KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P
55	209Y5A0310	ESLAVATH RAVI NAIK	P	P	A	P	P	P	P	P	P	P	P	P	P
56	209Y5A0311	GORLA CHARAN KUMAR REDDY	A	P	P	P	A	A	P	A	P	P	P	A	P
57	209Y5A0312	GUDISHA DILIP KUMAR	P	A	P	P	P	P	A	P	P	P	P	P	P
58	209Y5A0313	GUTTURU GIRISHKUMAR REDDY	P	P	P	A	P	P	P	P	P	P	P	A	P
59	209Y5A0314	JAMPANGI OBULESU	P	P	P	P	P	P	P	A	P	P	P	P	P
60	209Y5A0315	JONNADULA SATISH	P	P	P	P	P	P	P	P	P	P	P	P	P


Coordinator


HoD
Professor & head
Department of Mechanical Engineering
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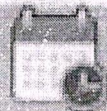
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DEPARTMENT OF MECHANICAL ENGINEERING CERTIFICATION COURSE ON " AUTO CAD "



Department of ME



13/07/2021 to
30/07/2021



Seminar Hall

Coordinators

Sri P.SivaSeshu

Assistant Professor, Dept.of ME.

Sri D. Mervin Rajesh

Assistant Professor, Dept.of ME.

Resource Persons

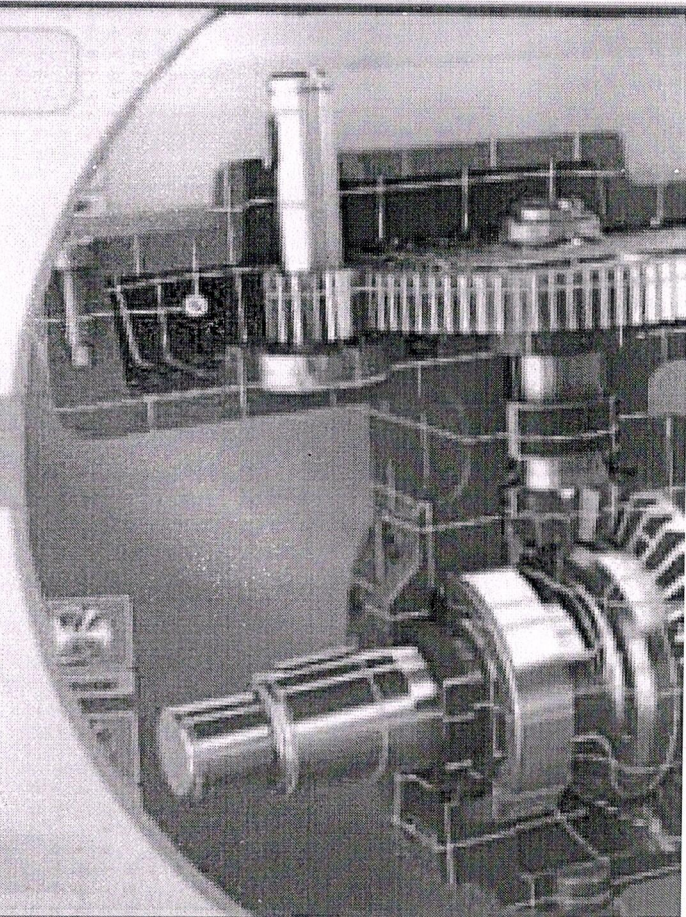
Sri P.SivaSeshu

Assistant Professor, Dept.of ME.

Sri D. Mervin Rajesh

Assistant Professor, Dept.of ME.

Registration Link: <https://forms.gle/EU3uxhQGw2Mm1sr6A>



Dr. H. Ramesh
(President)

Dr. V.S.R. Murthy
(President)

Dr. Kandula Chandra Mohi Reddy
(Managing Director)

Dr. K. Rajamoni
(Correspondent Secretary, Treasurer)

Dr. K. Mahesh Mahesh Reddy
(Vice - Chairman)

Dr. K. Raja Mahesh Reddy
(Chairman)

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Report of
Certification Course on "AUTO CAD"
From 13/07/21 to 30/07/21

Target Group	:	Students
Details of Participants	:	60 Students
Co-coordinator(s)	:	Sri P.SivaSeshu,& Sri M. Mervin Rajesh
Resource Persons	:	Sri P.SivaSeshu,& Sri M. Mervin Rajesh
Organizing Department	:	Mechanical Engineering
Venue	:	Seminar Hall, Mechanical Department

Description:

The Department of Mechanical Engineering conducted a certification course on "AUTO CAD" 13/07/21 to 30/07/21. The course duration was 30 hours .The course Resource Persons are **Sri P.SivaSeshu**, Assistant Professor and **Sri M. Mervin Rajesh**, Assistant Professor Department Mechanical Engineering, KSRMCE.

The main objective of this course is to introduce the fundamental concepts of AUTO CAD and AutoCAD is the original CAD software used by millions around the world. It can be used to create precise 2D and 3D drawings and models, as well as electrical diagrams, construction drawings, and more...

With this Certificate course students enhanced their knowledge in the area of AUTO CAD and 2D, 3D Modules.



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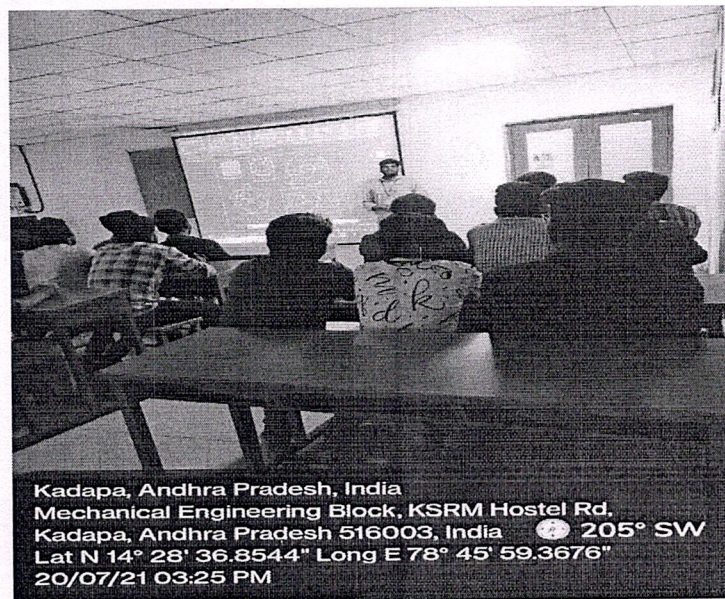
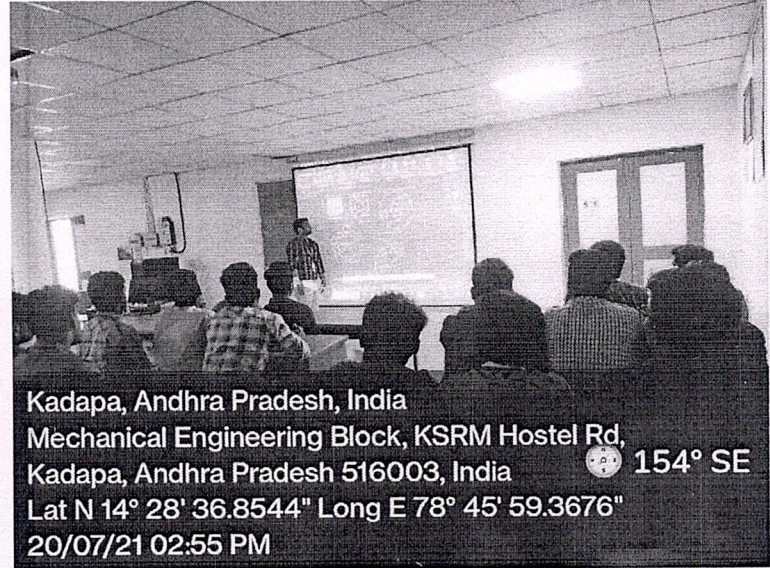
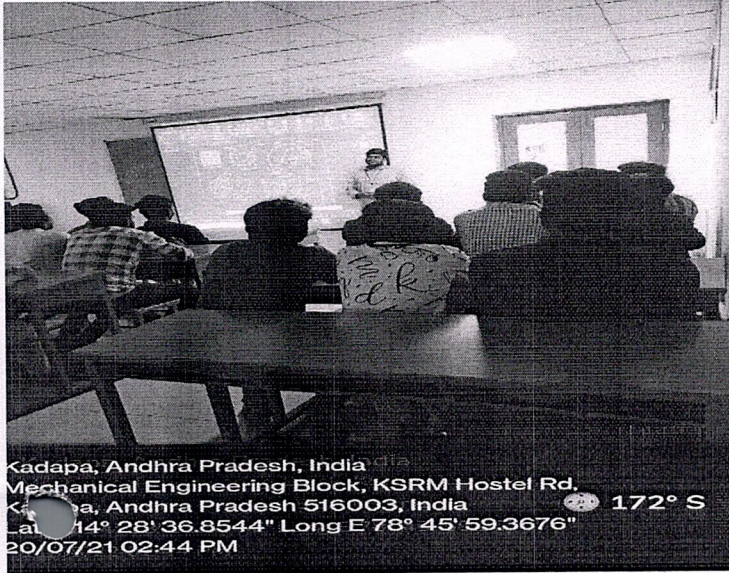
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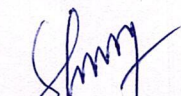


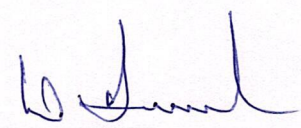
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Photos

The pictures taken during the course are given below:




Coordinator


HOD
Professor & Head
Department of Mechanical Engineering
K.S.R.M. College of Engineering
KADAPA - 516 003.



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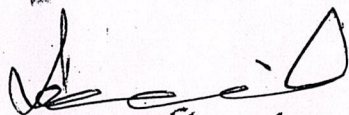


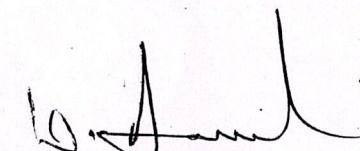
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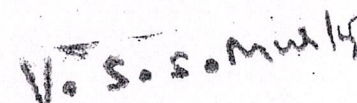
Certificate of Completion

This to certify that Mr/Mrs. S. K. RAJESH Bearing
the Roll Number 199Y/AD339 has Successfully Completed Certification
Course on "AUTO CAD"
from 13-07-21 to 30-07-21, Organized by Department of Mechanical
Engineering, KSRMCE, Kadapa.


Coordinator


HOD ME

Professor & Head
Department of Mechanical Engineering
K.S.R.M. College of Engineering
KADAPA - 516 003.


Principal

PRINCIPAL
K.S.R.M. COLLEGE OF ENGINEERING
KADAPA - 516 003. (A.P.)



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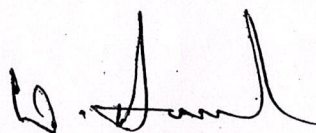



KSNR
lives on..

Certificate of Completion

This to certify that Mr/Mrs. D. SAI SRUJAN/KUMAR Bearing
the Roll Number 199Y/A0308 has Successfully Completed Certification
Course on "AUTO CAD"
from 13-07-21 to 30-07-21, Organized by Department of Mechanical
Engineering, KSRMCE, Kadapa.


Coordinator


HOD ME
Professor & head
Department of Mechanical Engineering
K.S.R.M. College of Engineering
KADAPA-516 003.


Principal
PRINCIPAL
K.S.R.M. COLLEGE OF ENGINEERING
KADAPA-516 003. (A.P.)



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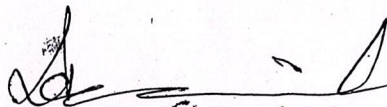
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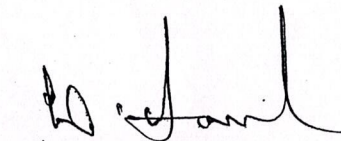


KSNR
lives on..


Certificate of Completion

This to certify that Mr/Mrs. SYED ASLAM Bearing
the Roll Number 199Y/A0354 has Successfully Completed Certification
Course on "AUTO CAD"
from 13-07-21 to 30-07-21, Organized by Department of Mechanical
Engineering, KSRMCE, Kadapa.


Coordinator


HOD ME

Professor & head
Department of Mechanical Engineering
K.S.R.M. College of Engineering
KADAPA - 516 003.


Principal

PRINCIPAL
K.S.R.M. COLLEGE OF ENGINEERING
KADAPA - 516 003 (A.P.)

Feedback on Certificate Course on "AUTOCAD" From 13/07/2021 to 30/07/2021

*Required

1. Student Name (Optional)

2. Roll Number (Optional)

3. The objectives of the course were met (Objective) *

Mark only one oval.

Excellent ☐

Good

Satisfactory ☐

Poor

☐

4. The pace of the course was appropriate to the content and attendees(Content) *

Mark only one oval.

Excellent ☐

Good

Satisfactory ☐

Poor

☐☐

5. The content of the course was organized and easy to follow (Delivery) *

Mark only one oval.

Excellent ☐

Good

Satisfactory ☐

Poor

☐

6. The Resource Persons were well prepared and able to answer any questions (Interaction) *

Mark only one oval.

Excellent ☐

Good

Satisfactory ☐

Poor

☐

7. The exercises / role play were helpful and relevant (Syllabus Coverage) *

Mark only one oval.

Excellent ☐

Good

Satisfactory ☐

Poor

☐

8. The venue was appropriate for the course (About Venue)*

Mark only one oval.

Excellent ☐

Good

Satisfactory ☐

Poor

☐

9. The Course satisfy my expectation as a value added Programme (Course Satisfaction) *

Mark only one oval.

Excellent ☐

Good

Satisfactory ☐

Poor ☐

10. Any Other comments ☐

This content is neither created nor endorsed by Google.

Forms

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Feedback on Certificate Course on "AUTOCAD " from 13/07/21 to 30/07/21

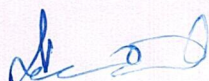
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2	7/12/2022 15:40:46	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	K Karthik sar	209y1a0323	
3	7/12/2022 15:40:55	Excellent	Good	Excellent	Excellent	Good	Excellent	Good			
4	7/12/2022 15:41:01	Good	Good	Good	Good	Good	Good	Good	Lokeshwar	209y1a0335	--
5	7/12/2022 15:41:07	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent			
6	7/12/2022 15:41:16	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent			
7	7/12/2022 15:41:16	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good			We need some more c
8	7/12/2022 15:41:20	Excellent	Excellent	Excellent	Good	Excellent	Good	Good			
9	7/12/2022 15:41:25	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	SIDDHAMSE	209y1a0358	No
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14	7/12/2022 15:41:30	Good	Good	Good	Good	Good	Good	Good	Shaik Moula	355	It is useful for us
15	7/12/2022 15:41:32	Good	Good	Good	Good	Good	Good	Good			--
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22	7/12/2022 15:42:03	Good	Good	Good	Good	Good	Good	Good			--
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24	7/12/2022 15:42:18	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent			-
25	7/12/2022 15:42:23	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	VELLATUR A	209Y1A0364	Nothing to say
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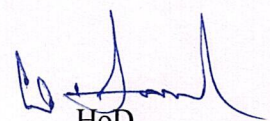
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43	7/12/2022 15:44:03	Good	Good	Good	Good	Good	Good	Good			
44	7/12/2022 15:44:04	Good	Good	Good	Good	Good	Good	Good			--
45	7/12/2022 15:44:11	Excellent	Excelle	Excellent	Excellent	Excellent	Excellent	Excellent			
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57	7/12/2022 15:45:07	Excellent	Excelle	Excellent	Excellent	Excellent	Excellent	Excellent			
58	7/12/2022 15:45:08	Excellent	Excelle	Good	Good	Good	Good	Good			
59	7/12/2022 15:45:14	Excellent	Good	Excellent	Good	Excellent	Good	Excellent			
60	7/12/2022 15:45:17	Excellent	Excelle	Good	Satisfacto	Good	Good	Good			

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003
DEPARTMENT OF MECHANICAL ENGINEERING
VALUE ADDED COURSE ON
AUTOCAD FROM 13/07/2021 TO 30/07/2021
AWARD LIST

S.No	Roll Number	Name of the Student	Marks Obtained
1	199Y1A0302	B Srinidhi Sai	14
2	199Y1A0303	Bandi Shiva Reddy	13
3	199Y1A0304	Chaganti Sunil Kumar Reddy	12
4	199Y1A0305	Cheppali Amathya	13
5	199Y1A0306	Chiruchapala Abdul Subahan	14
6	199Y1A0307	Devapatla Bharath Simha Reddy	12
7	199Y1A0308	Dudimani Sai Srujan Kumar	12
8	199Y1A0310	Gangala Venkata Prathap	13
9	199Y1A0311	Ganugapenta Bharath	12
10	199Y1A0312	Goddendla Ashok Kumar	13
11	199Y1A0313	Guduru Subhan	13
12	199Y1A0315	Karuram Vamsinath Reddy	14
13	199Y1A0316	Kethireddy Naveen Kumar Reddy	13
14	199Y1A0317	Konangi Subbanna	14
15	199Y1A0319	Kothapalle Vamsidhar Reddy	13
16	199Y1A0320	Kummari Manjunath	14
17	199Y1A0321	Kummetha Sai Kumar Reddy	12
18	199Y1A0322	Lm Vinay Kumar	13
19	199Y1A0324	Malepati Siva Sai Reddy	13
20	199Y1A0325	Manjunatha Dinesh Kumar	12
21	199Y1A0326	Markapuram Mysora Reddy	12
22	199Y1A0327	Medimala Kiran Kumar	13
23	199Y1A0328	Moghal Junaid Baig	12
24	199Y1A0329	Molakala Sreekanth Reddy	12
25	199Y1A0330	Moyilla Charan Reddy	13
26	199Y1A0331	Nadiminti Navaneeth Kumar	12
27	199Y1A0332	Nagulagari Venkata Sandeep Kumar Reddy	13
28	199Y1A0334	Palleti Vamsidhar Reddy	13
29	199Y1A0335	Pasupala Ravi Kumar	14
30	199Y1A0336	Pathan Khaleelulla Khan	13
31	199Y1A0337	Pulakondam Bheemaiah	14
32	199Y1A0338	Reddam Veera Tejaswar Reddy	13
33	199Y1A0339	Sk Rajesh	12
34	199Y1A0340	Sagiraju Dilli Varma	12
35	199Y1A0341	Shaik Abdul Rasheed	13
36	199Y1A0343	Shaik Ghouse Basha	14
37	199Y1A0344	Shaik Kurnool Dada Khalandar	12
38	199Y1A0345	Shaik Mahammed Mansoor	12
39	199Y1A0347	Shaik Mohammed Sajid	13
40	199Y1A0348	Shaik Mohammed Shoaib Akthar	12
41	199Y1A0349	Shaik Nayeemur Rahman	13

42	199Y1A0350	Shaik Zabeeulla	13
43	199Y1A0352	Suda Abhilash Kumar Reddy	14
44	199Y1A0353	Sunkesula Baba Sab	13
45	199Y1A0354	Syed Aslam	14
46	209Y5A0301	Achukatla Numair	13
47	209Y5A0302	Bhojanapalle Naga Siva	12
48	209Y5A0303	Bijje Purushotham	13
49	209Y5A0304	Buchupalli Siva Prasad Reddy	12
50	209Y5A0305	Chinni Guru Prasad	13
51	209Y5A0306	Chinthaginjala Venkata Subbarayudu	13
52	209Y5A0307	Chitrula Venkata Swamy Setty	13
53	209Y5A0308	Dakala Srinivasulu	14
54	209Y5A0309	Dhara Sunil Kumar	13
55	20Y5A0310	Eslavanth Ravi Naik	14
56	209Y5A0311	Gorla Charan Kumar Reddy	13
57	209Y5A0312	Gudisha Dilip Kumar	12
58	209Y5A0313	Gutturu Girishkumar Reddy	12
59	209Y5A0314	Jampangi Obulesu	13
60	209Y5A0315	Jonnadula Satish	12


Coordinator


HoD
Professor & head
Department of Mechanical Engineering
K.S.R.M. College of Engineering
KADAPA - 516 003.

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003
DEPARTMENT OF MECHANICAL ENGINEERING
VALUE ADDED /CERTIFICATE COURSE ON
AUTOCAD

FROM 13/07/2021 TO 30/07/2021

ASSESSMENT TEST

Roll Number: 19941A0302 **Name of the Student:** B. Sindhi Sai

14

Time: 20 Min

(Objective Questions)

Max.Marks: 20

Note: Answer the following Questions and each question carries **one** mark.

1. What is AutoCAD primarily used for? [c] ✓
 - a. Video editing
 - b. Word processing
 - c. Computer-aided design
 - d. Spreadsheet analysis
2. Who typically uses AutoCAD for design purposes? [b] ✓
 - a. Graphic designers
 - b. Architects, engineers, and construction professionals
 - c. Accountants
 - d. Gamers
3. What does the term "CAD" stands for in AutoCAD? [d] ✓
 - a. Computer-Aided Drawing
 - b. Creative Architectural Design
 - c. Computer-Aided Design
 - d. Complex Artistic Drawing
4. Which types of designs can AutoCAD generate? [b] ✓
 - a. 1D designs only
 - b. 2D and 3D designs
 - c. 4D designs
 - d. 3D and 4D designs only
5. AutoCAD is commonly used in which industries? [a] ✓
 - a. Food and beverage
 - b. Entertainment
 - c. Manufacturing and construction
 - d. Fashion
6. What are the primary components of the AutoCAD interface? [c] ✓
 - a. Keyboard and mouse
 - b. Toolbar and pen
 - c. Ribbon and workspace
 - d. Monitor and printer
7. Which function keys are commonly used in AutoCAD? [b] ✓
 - a. F1-F5
 - b. F6-F10
 - c. F11-F15
 - d. F16-F20
8. Which coordinate system allows you to specify points based on distance And angles from a fixed point? [c] ✓
 - a. Polar Coordinate System
 - b. Absolute Coordinate System
 - c. Relative Coordinate System
 - d. Cartesian coordinate system

9. What is the purpose of the Line command in AutoCAD?

- a. To draw straight lines
- b. To create circles
- c. To insert text
- d. To move objects

[a] ✓

10. Which command is used to draw a continuous sequence of connected Line segments?

- a. Circle
- b. Polyline
- c. Rectangle
- d. Rotate

[b] ✓

11. Which Modify command is used to change the size of an object proportionally?

- a. Move
- b. Rotate
- c. Scale
- d. Copy

[c] ✓

12. Which command is used to create a duplicate of an object in AutoCAD?

- a. Mirror
- b. Erase
- c. Trim
- d. Copy

[d] ✓

13. What is the purpose of the Layer command in AutoCAD?

- a. To change the color of objects
- b. To create copies of objects
- c. To manage and organize drawing elements
- d. To draw circles

[c] ✓

14. Which command is used to insert predefined objects or symbols into a drawing?

- a. Insert
- b. Text
- c. Move
- d. Extend

[a] ✓

15. What type of dimensions can be added to objects using AutoCAD's Dimensions command?

- a. Geometric dimensions only
- b. Textual dimensions only
- c. Both geometric and textual dimensions
- d. None of the above

[c] ✓

16. Which tool is used to create isometric diagrams in AutoCAD?

- a. Isometric Top
- b. Isometric Left
- c. Isometric Right
- d. All of the above

[b] ✓

17. What is the purpose of creating isometric diagrams in AutoCAD?

- a. To create 2D drawings
- b. To visualize objects in 3D space
- c. To generate financial reports
- d. To send emails

[a] ✓

18. What are drawing units in AutoCAD?

- a. Units used for weight measurement
- b. Units used for temperature measurement
- c. Units used for dimensioning objects in a drawing
- d. Units used for drawing lines and shapes

[c] ✓

19. What do you typically set in the Sheet Settings of AutoCAD?

- a. Paper size and layout
- b. Text font and size
- c. 3D modeling options
- d. Grid settings

[d]

20. In AutoCAD, what is the purpose of creating mechanical diagrams?

- a. To design clothing
- b. To plan a city layout
- c. To visualize mechanical components and connections
- d. To create abstract art

[d]

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003
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FROM 13/07/2021 TO 30/07/2021

ASSESSMENT TEST

Roll Number: 199Y1A0326

Name of the Student: M. Mysora Reddy

Time: 20 Min

(Objective Questions)

Max.Marks: 20

Note: Answer the following Questions and each question carries one mark.

1. What is AutoCAD primarily used for? [C] ✓
a. Video editing b. Word processing
c. Computer-aided design d. Spreadsheet analysis
2. Who typically uses AutoCAD for design purposes? [b] ✓
a. Graphic designers b. Architects, engineers, and construction professionals
c. Accountants d. Gamers
3. What does the term "CAD" stands for in AutoCAD? [C] ✓
a. Computer-Aided Drawing b. Creative Architectural Design
c. Computer-Aided Design d. Complex Artistic Drawing
4. Which types of designs can AutoCAD generate? [a] ✓
a. 1D designs only b. 2D and 3D designs
c. 4D designs d. 3D and 4D designs only
5. AutoCAD is commonly used in which industries? [C] ✓
a. Food and beverage b. Entertainment
c. Manufacturing and construction d. Fashion
6. What are the primary components of the AutoCAD interface? [a] ✓
a. Keyboard and mouse b. Toolbar and pen
c. Ribbon and workspace d. Monitor and printer
7. Which function keys are commonly used in AutoCAD? [b] ✓
a. F1-F5 b. F6-F10 c. F11-F15 d. F16-F20
8. Which coordinate system allows you to specify points based on distance
And angles from a fixed point? [a] ✓
a. Polar Coordinate System b. Absolute Coordinate System
c. Relative Coordinate System d. Cartesian coordinate system

9. What is the purpose of the Line command in AutoCAD?

- a. To draw straight lines
- b. To create circles
- c. To insert text
- d. To move objects

[a] ✓

10. Which command is used to draw a continuous sequence of connected Line segments?

- a. Circle
- b. Polyline
- c. Rectangle
- d. Rotate

[b] ✓

11. Which Modify command is used to change the size of an object proportionally?

- a. Move
- b. Rotate
- c. Scale
- d. Copy

[c] ✓

12. Which command is used to create a duplicate of an object in AutoCAD?

- a. Mirror
- b. Erase
- c. Trim
- d. Copy

[a] ✗

13. What is the purpose of the Layer command in AutoCAD?

- a. To change the color of objects
- b. To create copies of objects
- c. To manage and organize drawing elements
- d. To draw circles

[a] ✗

14. Which command is used to insert predefined objects or symbols into a drawing?

- a. Insert
- b. Text
- c. Move
- d. Extend

[c] ✗

15. What type of dimensions can be added to objects using AutoCAD's Dimensions command?

- a. Geometric dimensions only
- b. Textual dimensions only
- c. Both geometric and textual dimensions
- d. None of the above

[c] ✓

16. Which tool is used to create isometric diagrams in AutoCAD?

- a. Isometric Top
- b. Isometric Left
- c. Isometric Right
- d. All of the above

[b] ✗

17. What is the purpose of creating isometric diagrams in AutoCAD?

- a. To create 2D drawings
- b. To visualize objects in 3D space
- c. To generate financial reports
- d. To send emails

[b] ✓

18. What are drawing units in AutoCAD?

- a. Units used for weight measurement
- b. Units used for temperature measurement
- c. Units used for dimensioning objects in a drawing
- d. Units used for drawing lines and shapes

[a] ✗

19. What do you typically set in the Sheet Settings of AutoCAD?

- a. Paper size and layout
- b. Text font and size
- c. 3D modeling options
- d. Grid settings

[a]



20. In AutoCAD, what is the purpose of creating mechanical diagrams?

- a. To design clothing
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- c. To visualize mechanical components and connections
- d. To create abstract art

[b]



K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003
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FROM 13/07/2021 TO 30/07/2021

ASSESSMENT TEST

Roll Number: 209YSA0312 Name of the Student: G. Dilip Kumar

Time: 20 Min

(Objective Questions)

Max.Marks: 20

Note: Answer the following Questions and each question carries one mark.

1. What is AutoCAD primarily used for? [C] ✓
a. Video editing b. Word processing
c. Computer-aided design d. Spreadsheet analysis
2. Who typically uses AutoCAD for design purposes? [C] ✓
a. Graphic designers b. Architects, engineers, and construction professionals
c. Accountants d. Gamers
3. What does the term "CAD" stands for in AutoCAD? [C] ✓
a. Computer-Aided Drawing b. Creative Architectural Design
c. Computer-Aided Design d. Complex Artistic Drawing
4. Which types of designs can AutoCAD generate? [a] ✓
a. 1D designs only b. 2D and 3D designs
c. 4D designs d. 3D and 4D designs only
5. AutoCAD is commonly used in which industries? [C] ✓
a. Food and beverage b. Entertainment
c. Manufacturing and construction d. Fashion
6. What are the primary components of the AutoCAD interface? [d] ✓
a. Keyboard and mouse b. Toolbar and pen
c. Ribbon and workspace d. Monitor and printer
7. Which function keys are commonly used in AutoCAD? [b] ✓
a. F1-F5 b. F6-F10 c. F11-F15 d. F16-F20
8. Which coordinate system allows you to specify points based on distance And angles from a fixed point? [b] ✗
a. Polar Coordinate System b. Absolute Coordinate System
c. Relative Coordinate System d. Cartesian coordinate system

19. What do you typically set in the Sheet Settings of AutoCAD?

- a. Paper size and layout
- b. Text font and size
- c. 3D modeling options
- d. Grid settings

[b] ✓

20. In AutoCAD, what is the purpose of creating mechanical diagrams?

- a. To design clothing
- b. To plan a city layout
- c. To visualize mechanical components and connections
- d. To create abstract art

[c] ✓

Exercise-1

Aim: To Draw Isometric view and Generate Orthographic views for a given Diagram

Software Used: Auto cad

Commands used: Units, Limits, Line, Ortho, Region, union, v ports, plot, scale

Procedure:

- 1). Open Auto cad Software
- 2). Change Environment into 3D Modelling from workspace switching
- 3). Set Units into Metrics(MM)by Typing units command in command bar
- 4). Set Limits of Screen by limits commands as per Dimensions Required
- 5). Select Line commands with origin as Starting point
- 6). Show the direction of Line and mention the dimensions as per diagram in the selected side.
- 7). complete the selected side with appropriate directions and dimensions as per diagram
- 8). Make sure selected side is completed as closed Entity.
- 9). Make complete side as single Entity with region Command.
- 10). Select extrude command and select closed entity
- 11). Show the Direction and give extrusion length as per diagram
- 12). Complete remaining features by appropriate sketches
- 13). Join different solids into single solid by using union command.
- 14). Place appropriate Dimensions as Requirement.
- 15). Convert the dwg into pdf from Plot command.
- 16). Use v ports and generate required orthographic projections and convert it into pdf.

Precautions

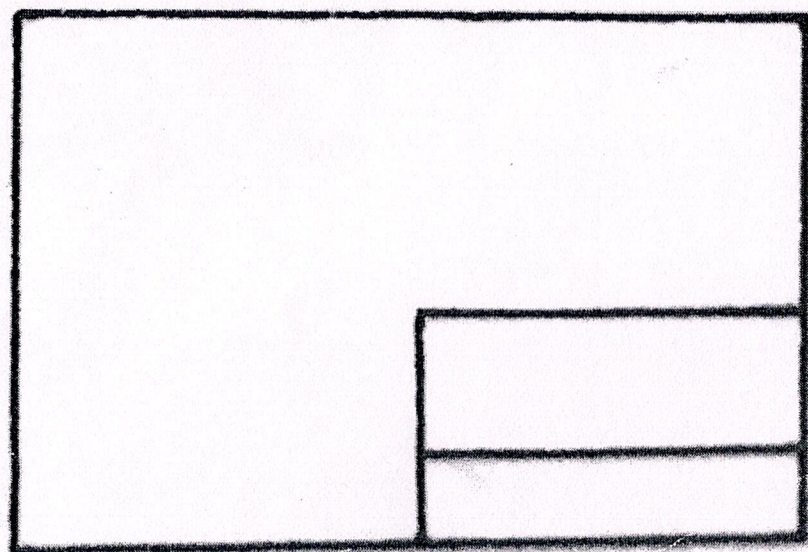
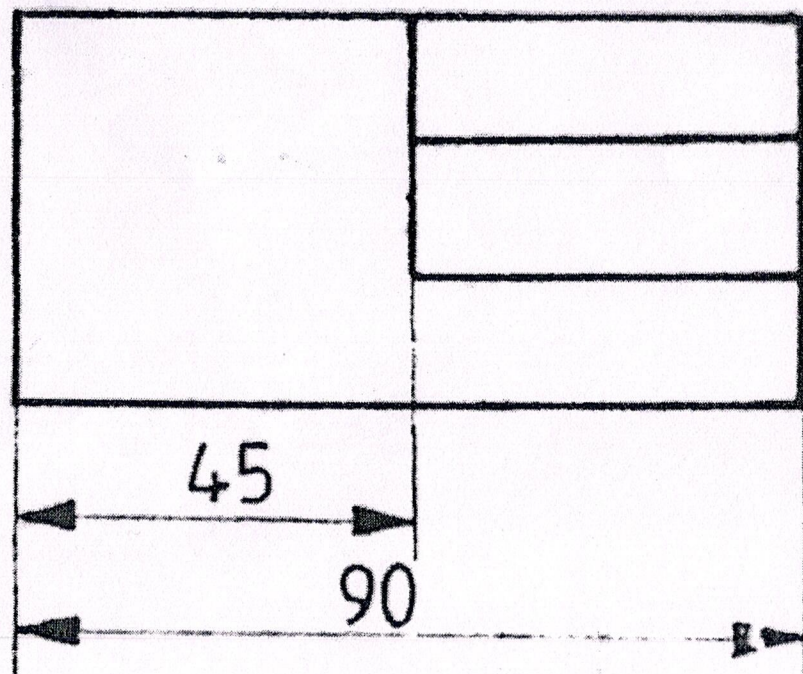
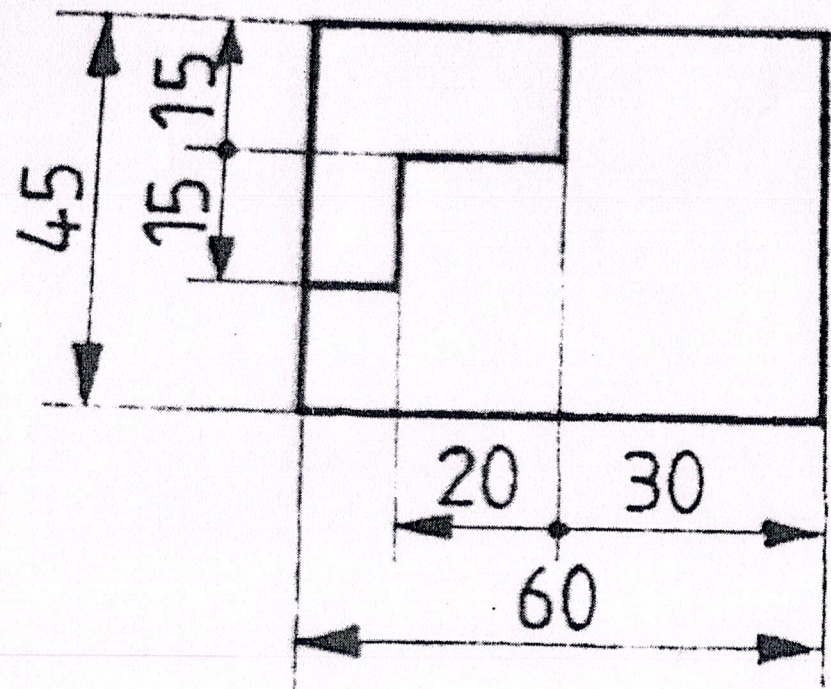
- 1). Care Must be taken while selecting units
- 2). Care must be taken while selecting front, Top, Side views using v ports
- 3). Dimensioning must given in appropriate views and avoid repeated dimensioning.
- 4). Care must be taken while selecting scale for orthographic views.

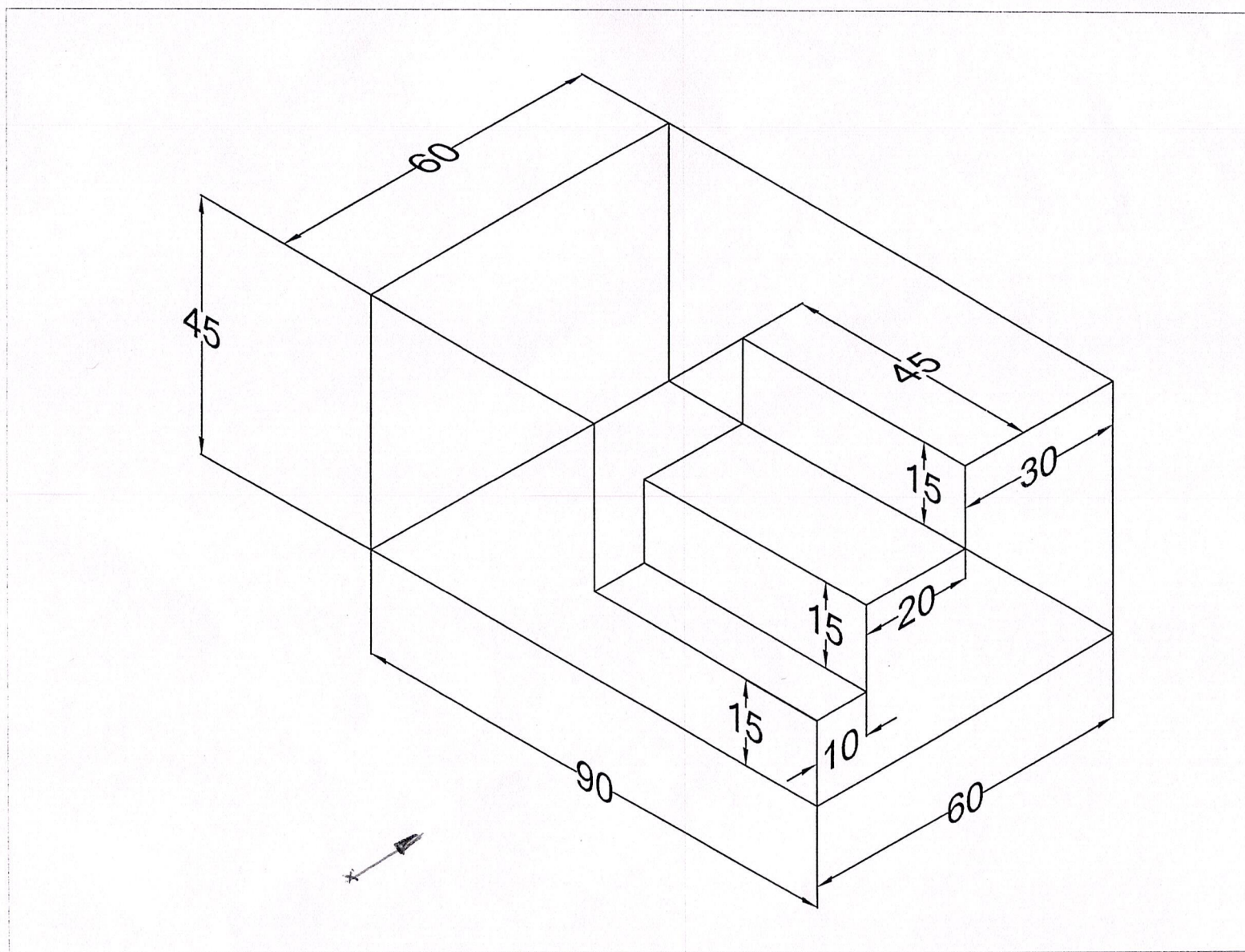
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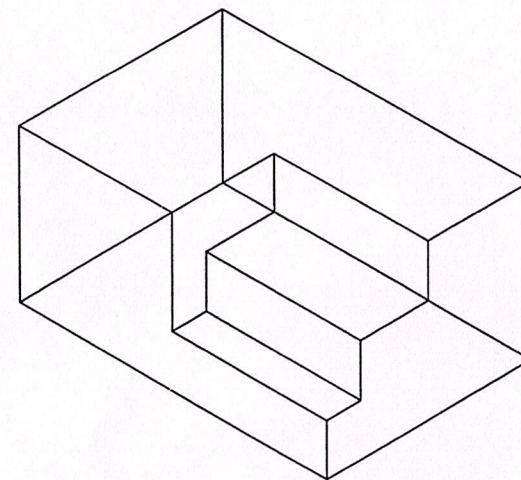
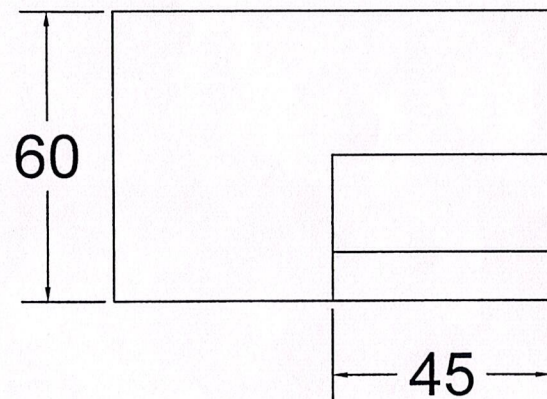
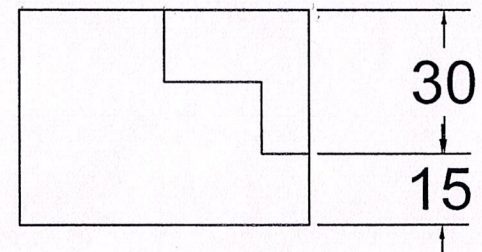
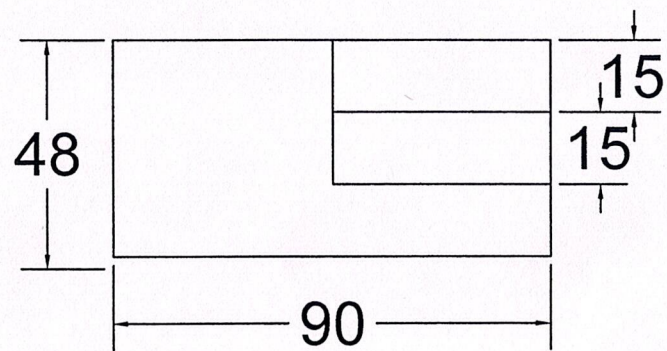
Thus the required isometric views & Orthographic views were developed and plotted

Viva Questions

- 1). List draw commands
- 2). What is 2D & 3D Drawing?
- 3). What is Trim?
- 4). What is Array?
- 5). How to select units in Auto cad?







Exercise-2

Aim: To Plot Isometric view and Generate orthographic views for a given Diagram

Software Used: Auto cad

Commands Used: Units, Limits Line, Ortho, Region, union, v ports, plots, Scale ,Etc

Procedure:

1. Open Auto cad Software
2. Change Environment into 3D Modelling from Workspace switching
3. Set Units into Millimeters by typing units in command bar
4. Set Limits of screen by Limits command as per dimensions of given diagram
5. Select south west isometric in view tool bar.
6. Select Front in coordinate menu.
7. Draw Front view and Region all Entities
8. Use Extrude command and give appropriate Thickness
9. Complete other sketches as given in diagram appropriately
10. Do region for all entities and use union commands to combine different solids into single solid.
11. Convert drawing into pdf using plot command
12. Generate orthographic views using v ports and Generate pdf using plot command

Precautions

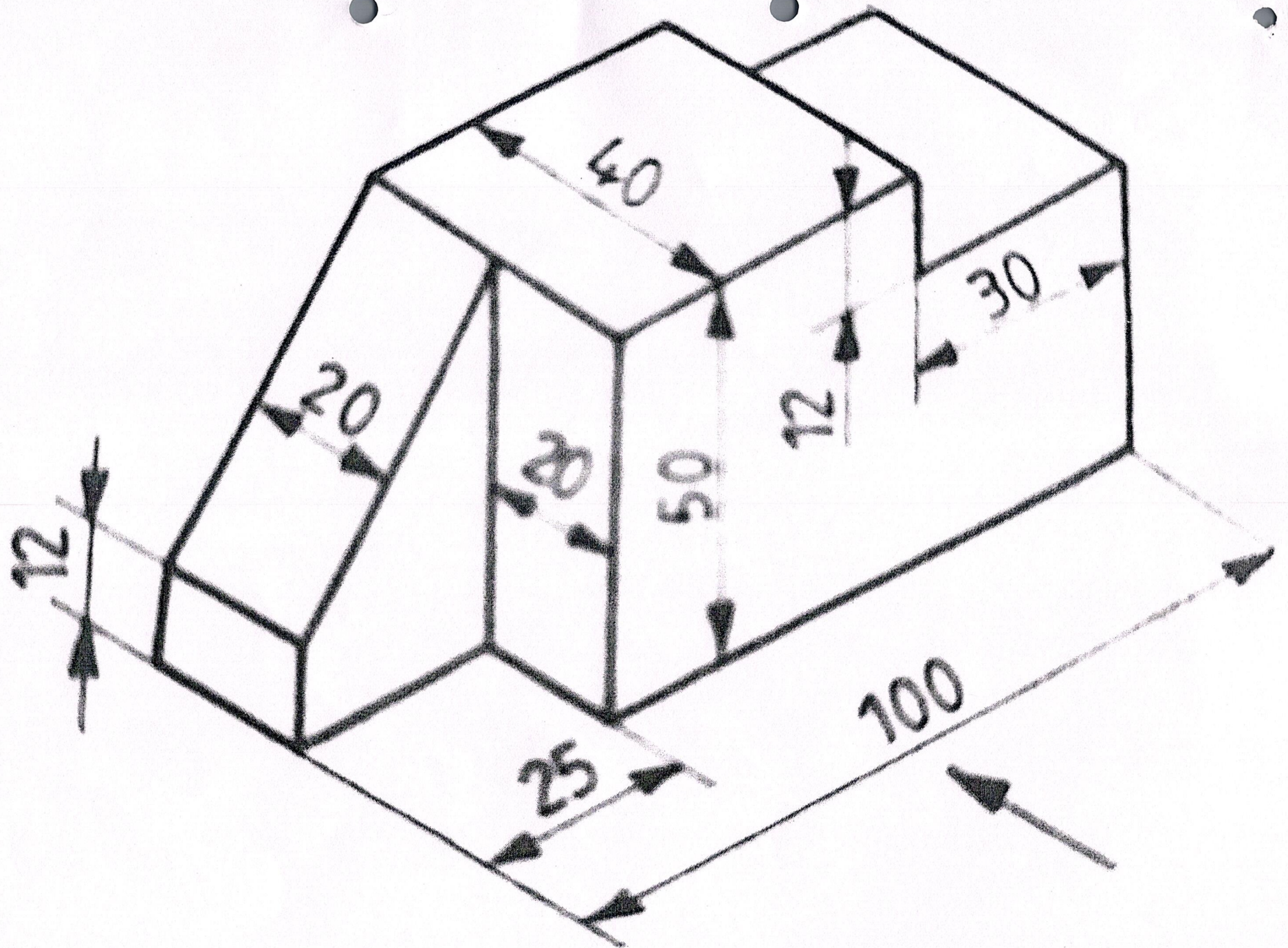
- 1). Care Must be taken while selecting units
- 2). Care must be taken while selecting front, Top, Side views using v ports
- 3). Dimensions must given in appropriate views and avoid repeated dimensioning.
- 4). Care must be taken while selecting scale for orthographic views.

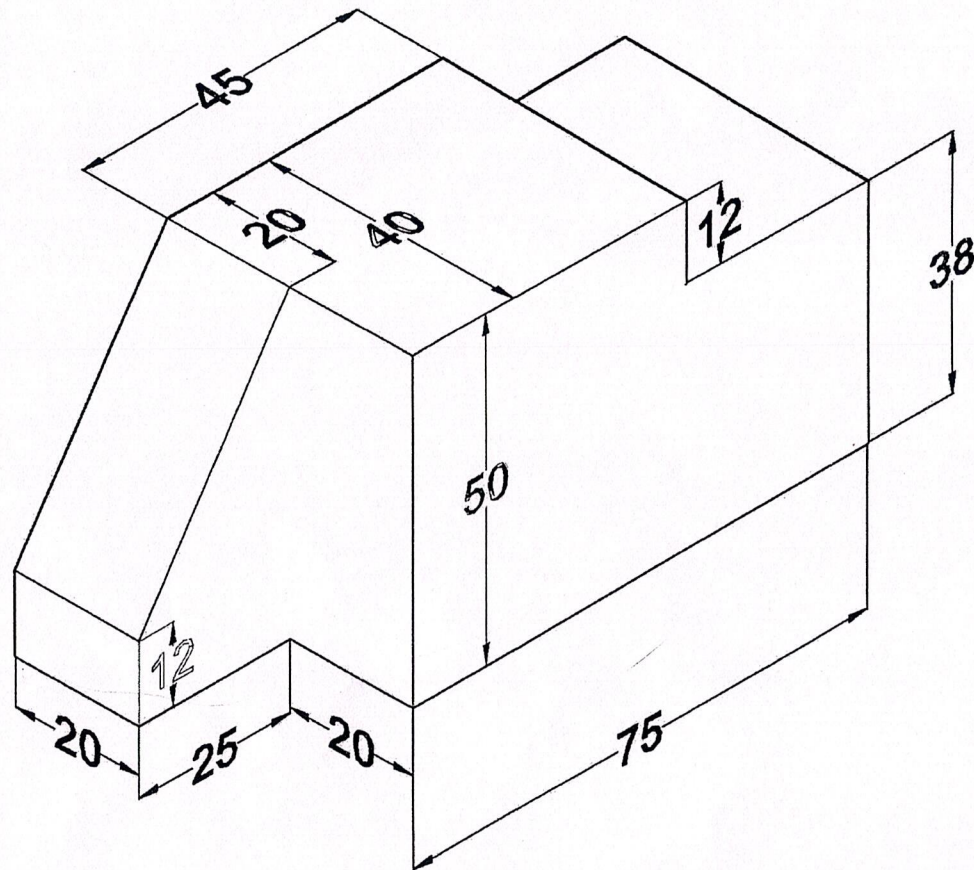
Result:

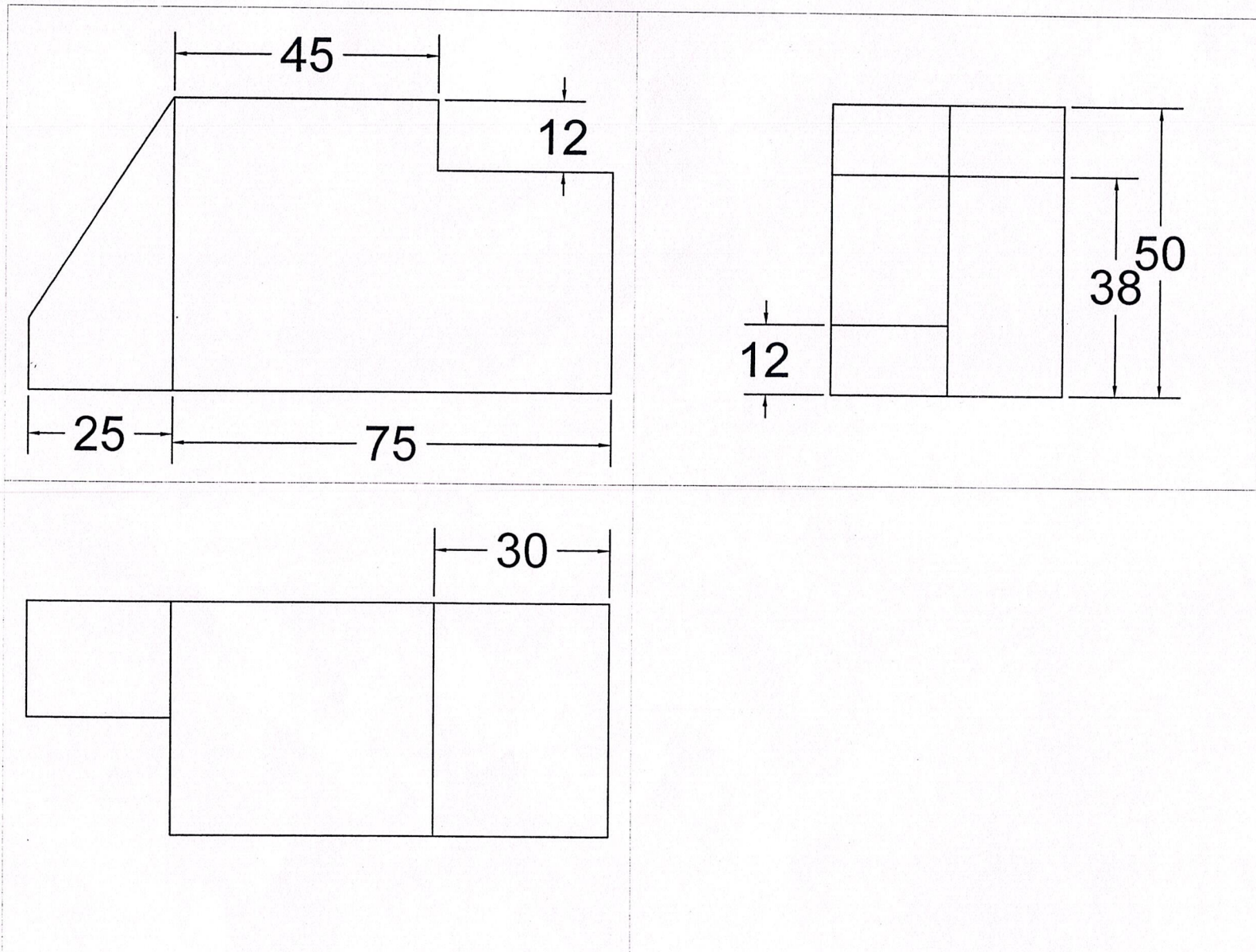
Thus the required isometric views & Orthographic views where developed and plotted

Viva Questions

- 1). What is polar array?
- 2). What is Mirror?
- 3). What is Trim?







Exercise-3

Aim: To Plot Isometric view and Generate orthographic views for a given Diagram

Software Used: Auto cad

Commands Used: Units, Limits Line, Ortho, Region, union, v ports, plots, Scale ,Etc

Procedure:

1. Open Auto cad Software
2. Change Environment into 3D Modelling from Workspace switching
3. Set Units into Millimeters by typing units in command bar
4. Set Limits of screen by Limits command as per dimensions of given diagram
5. Select south west isometric in view tool bar.
6. Select Front in coordinate menu.
7. Draw Front view and Region all Entities
8. Use Extrude command and give appropriate Thickness
9. Complete other sketches as given in diagram appropriately
10. Do region for all entities and use union commands to combine different solids into single solid.
11. Convert drawing into pdf using plot command
12. Generate orthographic views using v ports and Generate pdf using plot command

Precautions

- 1). Care Must be taken while selecting units
- 2). Care must be taken while selecting front, Top, Side views using v ports
- 3). Dimensions must given in appropriate views and avoid repeated dimensioning.
- 4). Care must be taken while selecting scale for orthographic views.

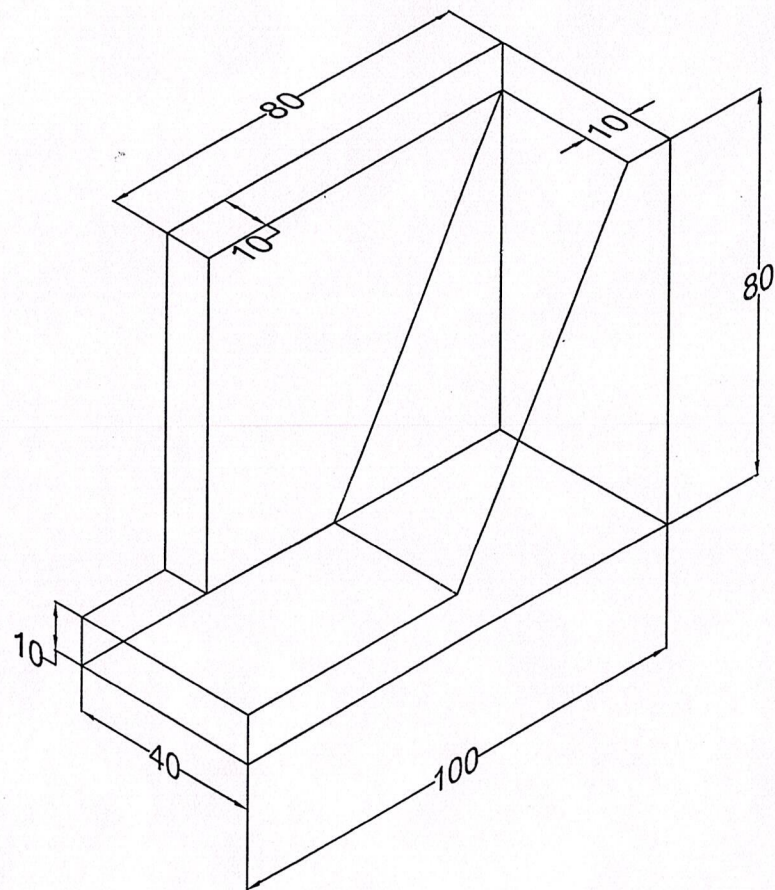
Result:

Thus the required isometric views & Orthographic views where developed and plotted

Viva Questions

- 1). What is pan? how to use it
- 2). How to Zoom in and Zoom out
- 3). What is region and union?

(4)
(3)



Exercise-5

Aim: To Plot Isometric view and Generate orthographic views for a given Diagram

Software Used: Auto cad

Commands Used: Units, Limits Line, Ortho, Region, union, v ports, plots, Scale ,Etc

Procedure:

1. Open Auto cad Software
2. Change Environment into 3D Modelling from Workspace switching
3. Set Units into Millimeters by typing units in command bar
4. Set Limits of screen by Limits command as per dimensions of given diagram
5. Select south west isometric in view tool bar.
6. Select Front in coordinate menu.
7. Draw Front view and Region all Entities
8. Use Extrude command and give appropriate Thickness
9. Convert drawing into pdf using plot command
10. Generate orthographic views using v ports and Generate pdf using plot command

Precautions

- 1). Care Must be taken while selecting units
- 2). Care must be taken while selecting front, Top, Side views using v ports
- 3). Dimensions must given in appropriate views and avoid repeated dimensioning.
- 4). Care must be taken while selecting scale for orthographic views.

Result:

Thus the required isometric views & Orthographic views where developed and plotted

Viva Questions

- 1). What is rectangular array?
- 2). What is First angle projection in Drawing?
- 3). What are v ports?
- 4). How to Retrieve command bar when it is not displayed?
- 5). How to use text command in Auto cad?

Exercise-8

Aim: To Draw Isometric view and Generate Orthographic views form a given Diagram

Software Used: Auto cad

Commands used: Units, Limits, Line, Ortho, Region, union, v ports, plot, scale

Procedure:

- 1). Open Auto cad Software
- 2). Change Environment into 3D Modelling from workspace switching
- 3). Set Units into Metrics(MM)by Typing units command in command bar
- 4). Set Limits of Screen by limits commands as per Dimensions Required
- 5). Select Line commands with origin as Starting point
- 6). Show the direction of Line and mention the dimensions as per diagram in the selected side.
- 7). complete the selected side with appropriate directions and dimensions as per diagram
- 8). Make sure drafted side is completed as closed Entity.
- 9). Make complete side as single Entity with region Command.
- 10). Select extrude command and select closed entity
- 11). Show the Direction and give extrusion length as per diagram
- 13).Draft entities use press pull command to obtain groove feature as per diagram
- 14). Place appropriate Dimensions as per Requirement.
- 15). Convert the dwg into pdf from Plot command.
- 16). Use v ports and generate required orthographic projections and convert it into pdf.

Precautions

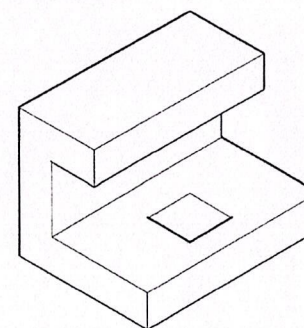
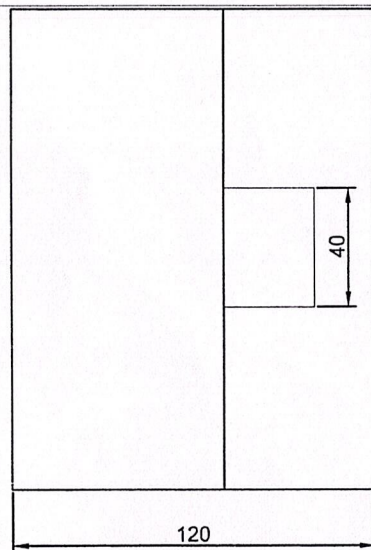
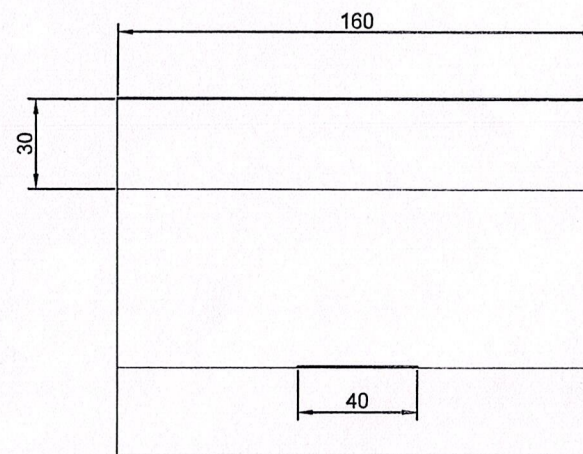
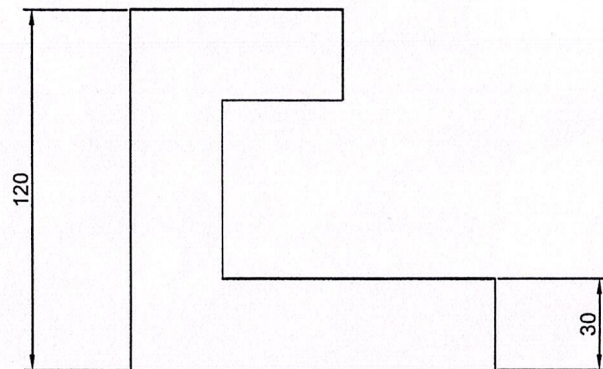
- 1). Care Must be taken while selecting units
- 2). Care must be taken while selecting front, Top, Side views using v ports
- 3). Dimensioning must given in appropriate views and avoid repeated dimensioning.
- 4). Care must be taken while selecting scale for orthographic views.

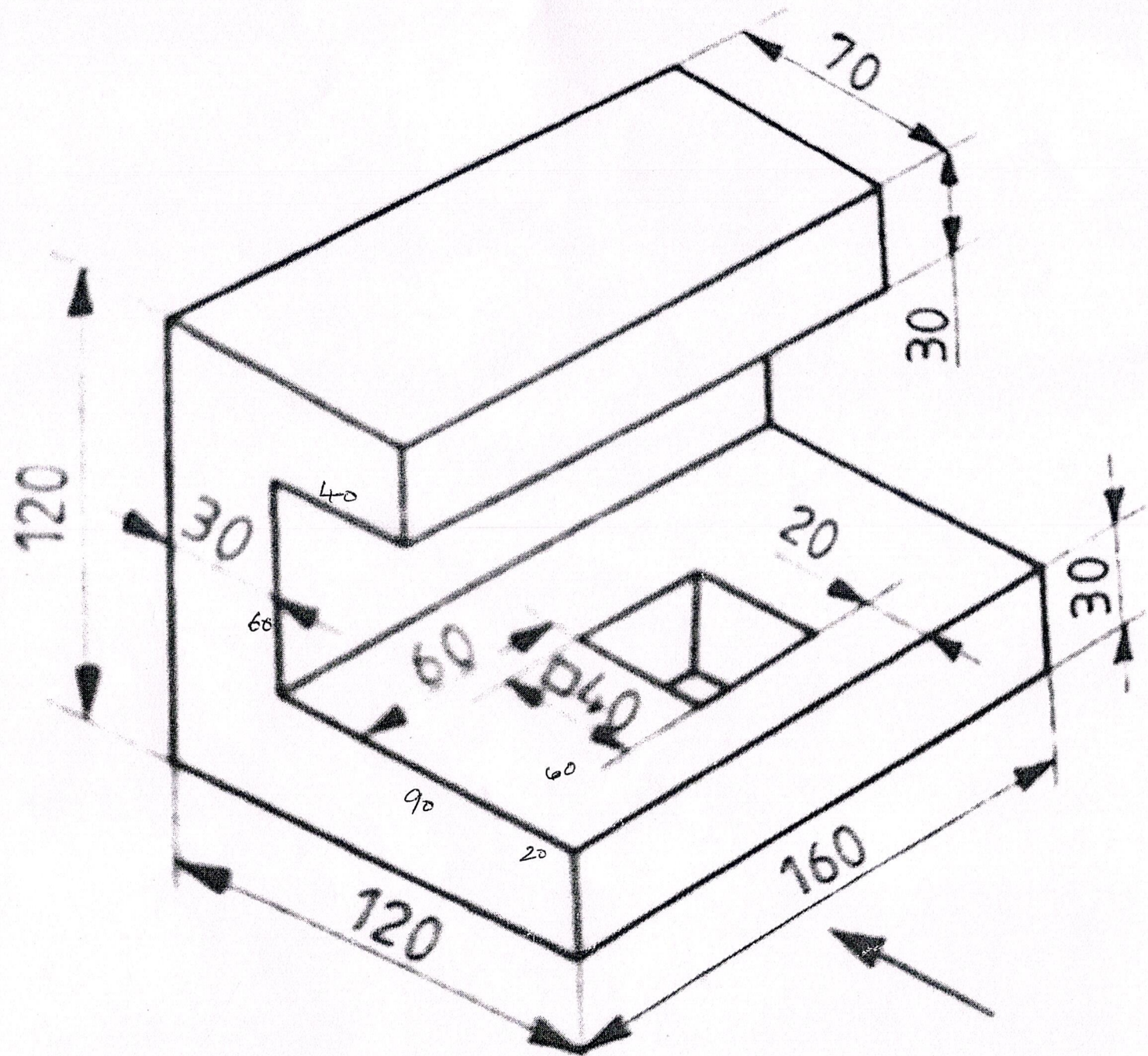
Result:

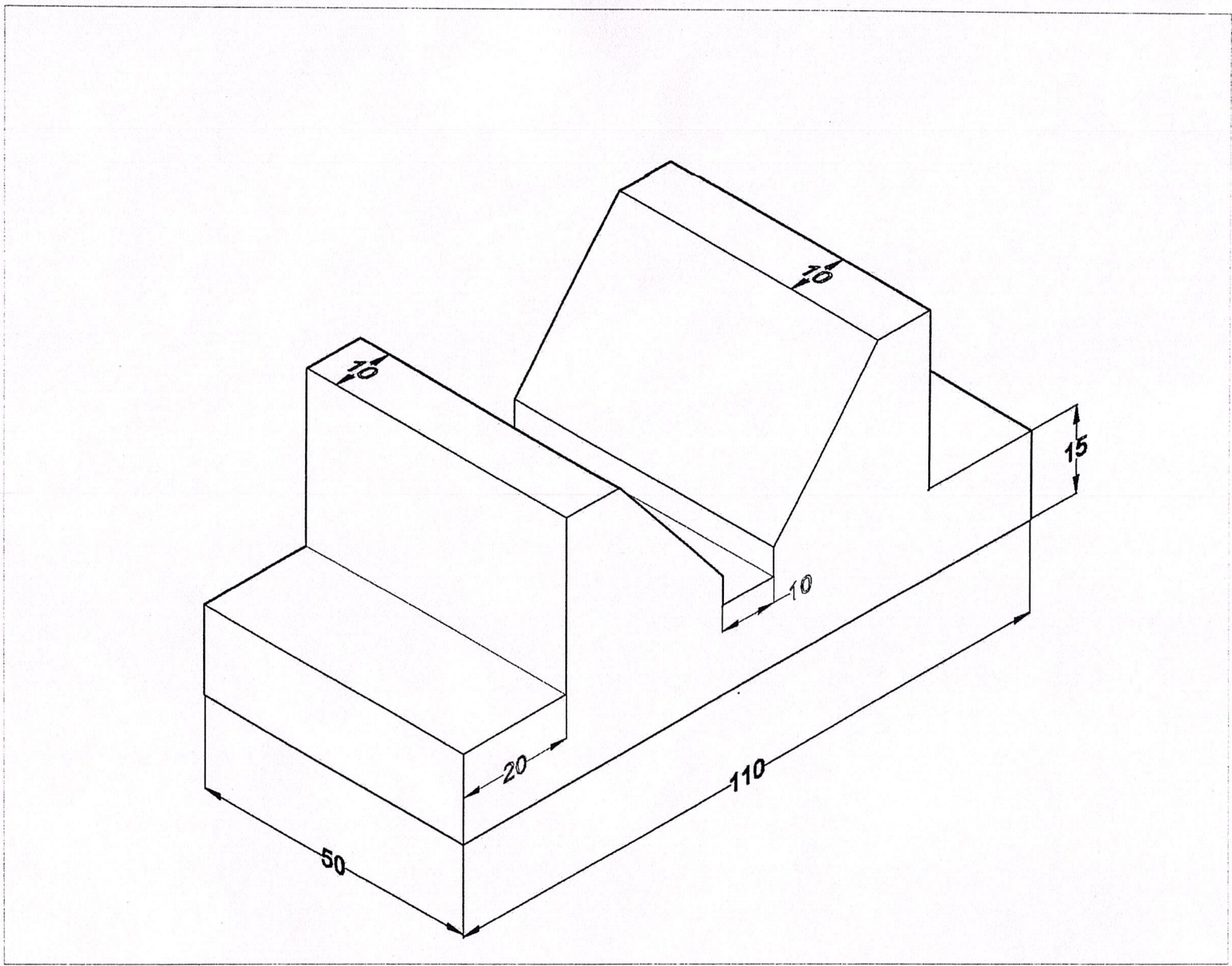
Thus the required isometric view & Orthographic views where developed and plotted

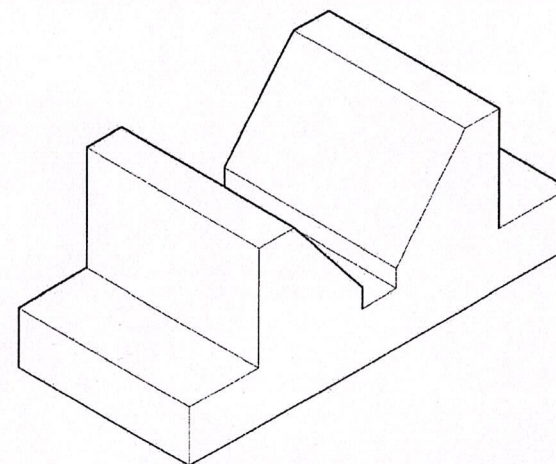
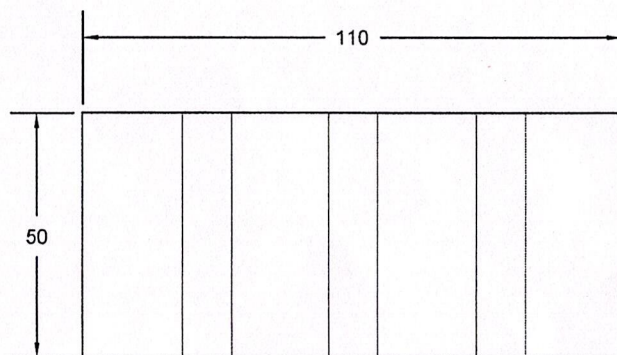
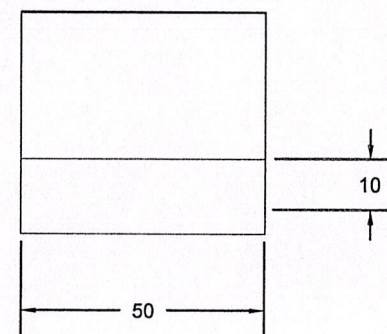
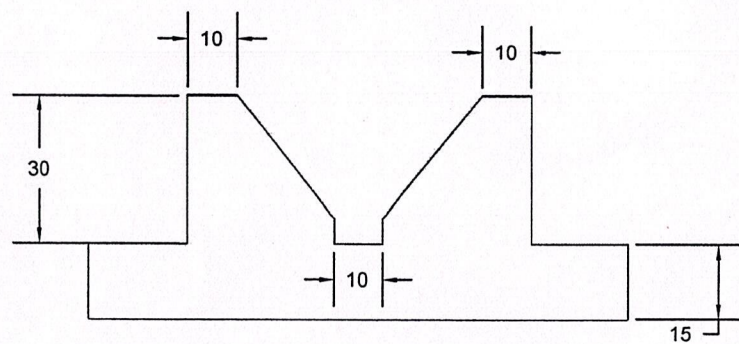
Viva Questions

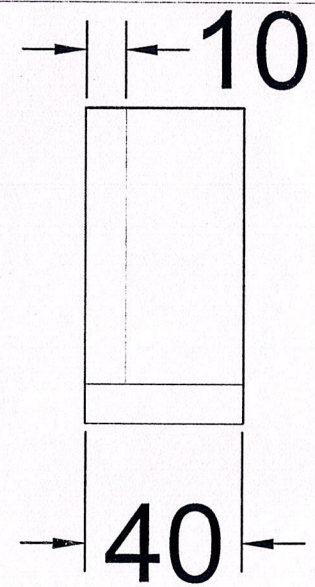
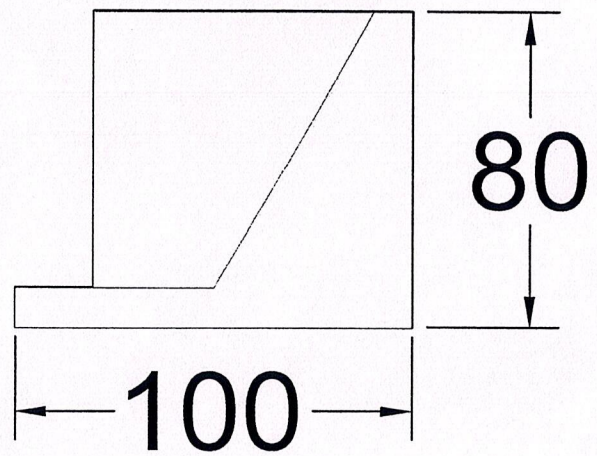
- 1). What is rectangular array?
- 2). What is First angle projection in Drawing?
- 3). What are v ports?
- 4). How to Retrieve command bar when it is not displayed?
- 5). How to use text command in Auto cad?



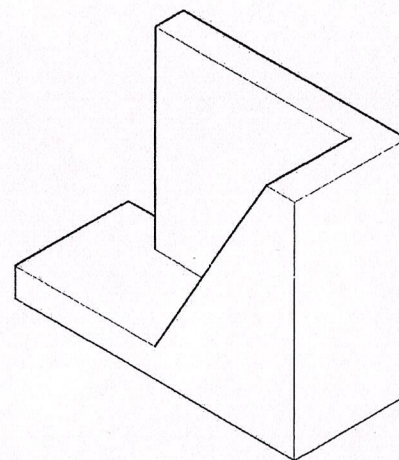
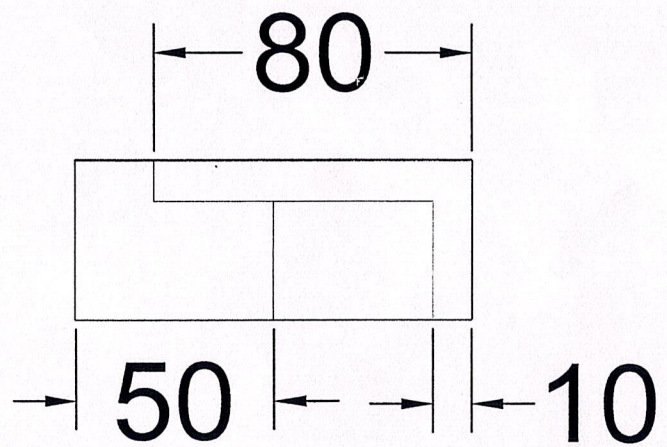








3



Exercise-4

Aim: To Plot Isometric view and Generate orthographic views for a given Diagram

Software Used: Auto cad

Commands Used: Units, Limits Line, Ortho, Region, union, v ports, plots, Scale ,Etc

Procedure:

1. Open Auto cad Software
2. Change Environment into 3D Modelling from Workspace switching
3. Set Units into Millimeters by typing units in command bar
4. Set Limits of screen by Limits command as per dimensions of given diagram
5. Select south west isometric in view tool bar.
6. Select Front in coordinate menu.
7. Draw Front view and Region all Entities
8. Use Extrude command and give appropriate Thickness
9. Complete other sketches as given in diagram appropriately
10. Do region for all entities and extrude appropriately.
11. Draw the sketch at top and use loft command to remove required portions
11. use union command to combine different solids into single solid
11. Convert drawing into pdf using plot command
12. Generate orthographic views using v ports and Generate pdf using plot command

Precautions

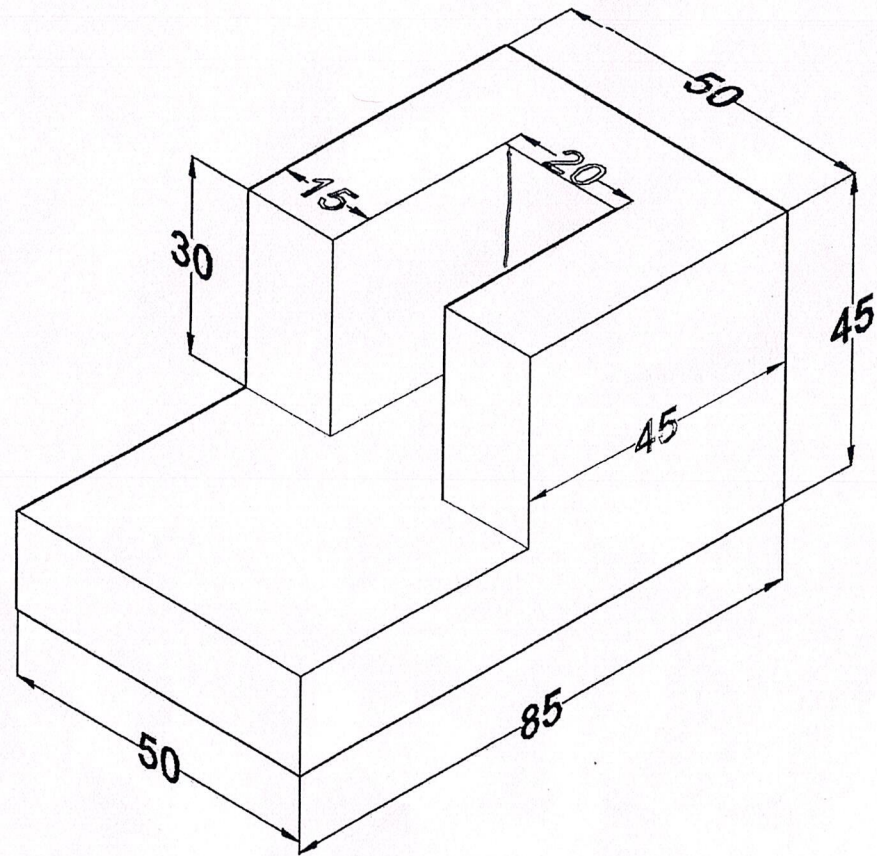
- 1). Care Must be taken while selecting units
- 2). Care must be taken while selecting front, Top, Side views using v ports
- 3). Dimensions must given in appropriate views and avoid repeated dimensioning.
- 4). Care must be taken while selecting scale for orthographic views.

Result:

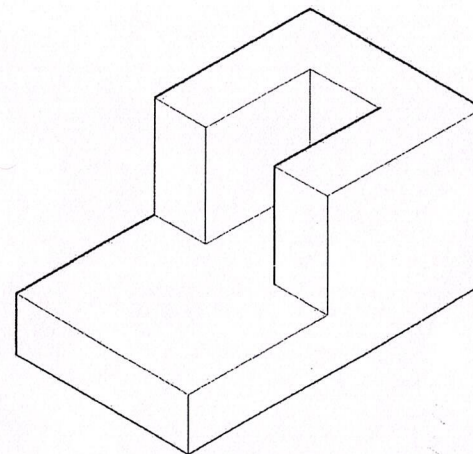
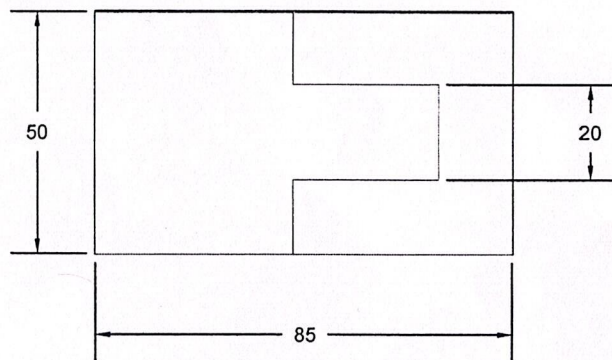
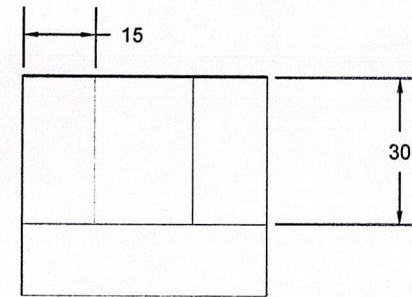
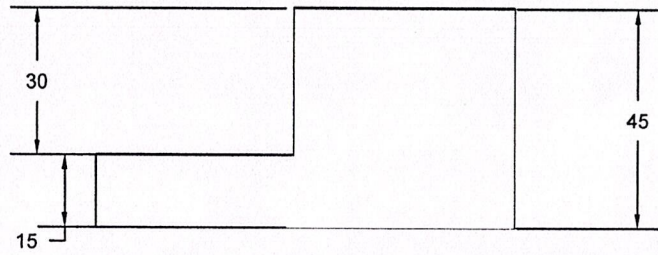
Thus the required isometric views & Orthographic views where developed and plotted

Viva Questions

- 1). What is Extrude?
- 2). What is Press pull?
- 3). What are v ports?
- 4). What is scale? how to use it?
- 5). How to use text command in Auto cad?



⑤



Exercise-6

Aim: To Draw Isometric view and Generate Orthographic views for a given Diagram

Software Used: Auto cad

Commands used: Units, Limits, Line, Ortho, Region, union, v ports, plot, scale

Procedure:

- 1). Open Auto cad Software
- 2). Change Environment into 3D Modelling from workspace switching
- 3). Set Units into Metrics(MM)by Typing units command in command bar
- 4). Set Limits of Screen by limits commands as per Dimensions Required
- 5). Select Line commands with origin as Starting point
- 6). Show the direction of Line and mention the dimensions as per diagram in the selected side.
- 7). complete the selected side with appropriate directions and dimensions as per diagram
- 8). Make sure selected side is completed as closed Entity.
- 9). Make complete side as single Entity with region Command.
- 10). Select extrude command and select closed entity
- 11). Show the Direction and give extrusion length as per diagram
- 12). Complete remaining features by appropriate sketches
- 13). Draw circle and use ucs and presspull commands to obtain features as per diagram
- 14). Select feature copy it and move to its opposite location as per diagram
- 15). Join different solids into single solid by using union command.
- 16). Place appropriate Dimensions as Requirement.
- 17). Convert the dwg into pdf from Plot command.
- 18). Use v ports and generate required orthographic projections and convert it into pdf.

Precautions

- 1). Care Must be taken while selecting units
- 2). Care must be taken while selecting front, Top, Side views using v ports
- 3). Dimensioning must given in appropriate views and avoid repeated dimensioning.

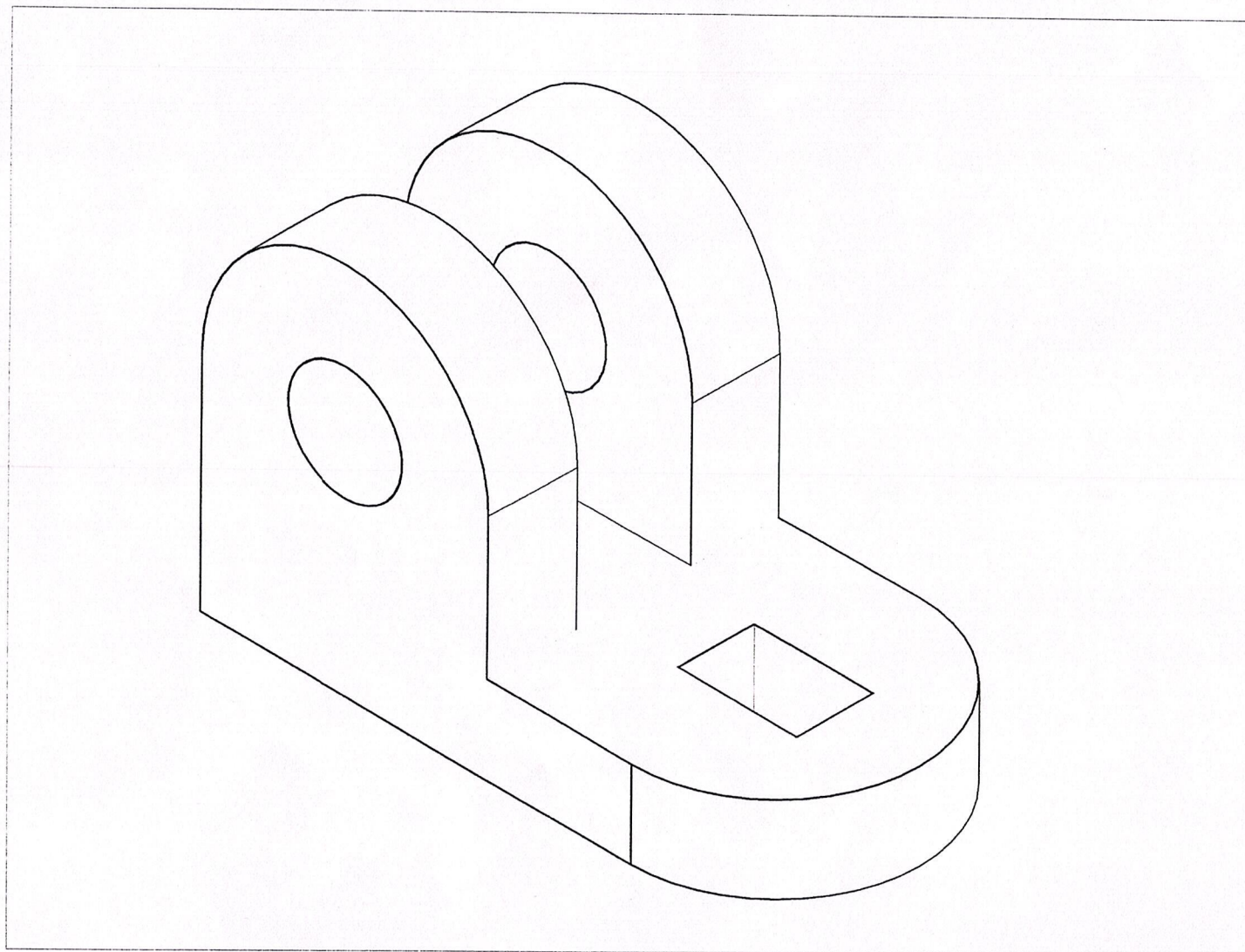
4). Care must be taken while selecting scale for orthographic views.

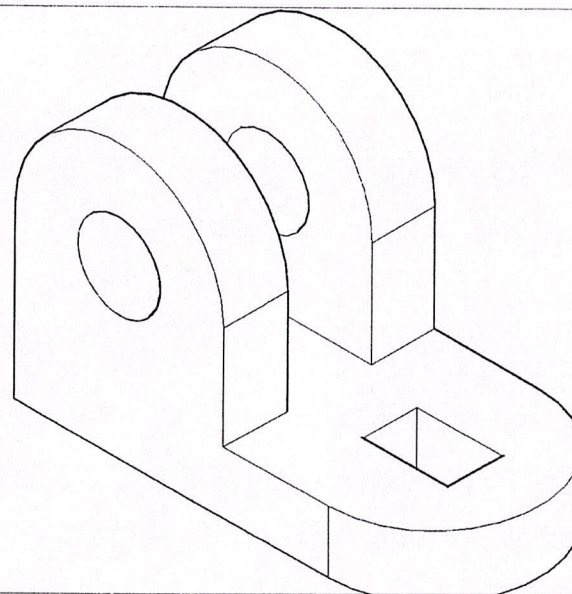
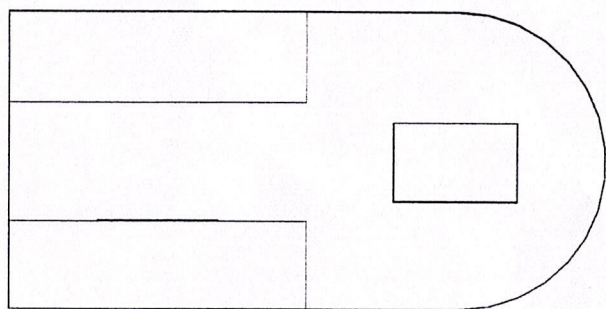
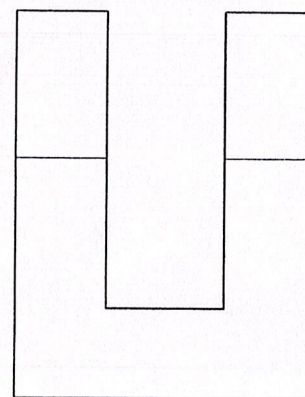
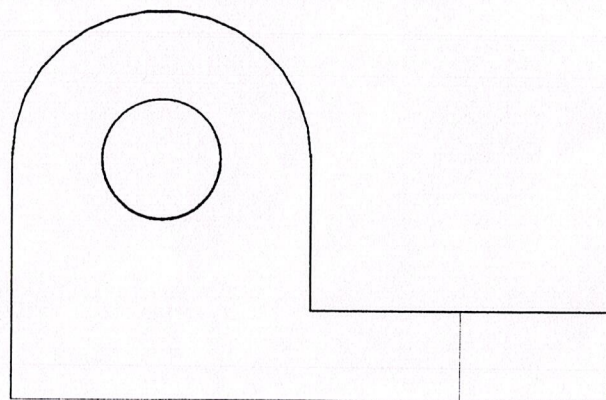
Result:

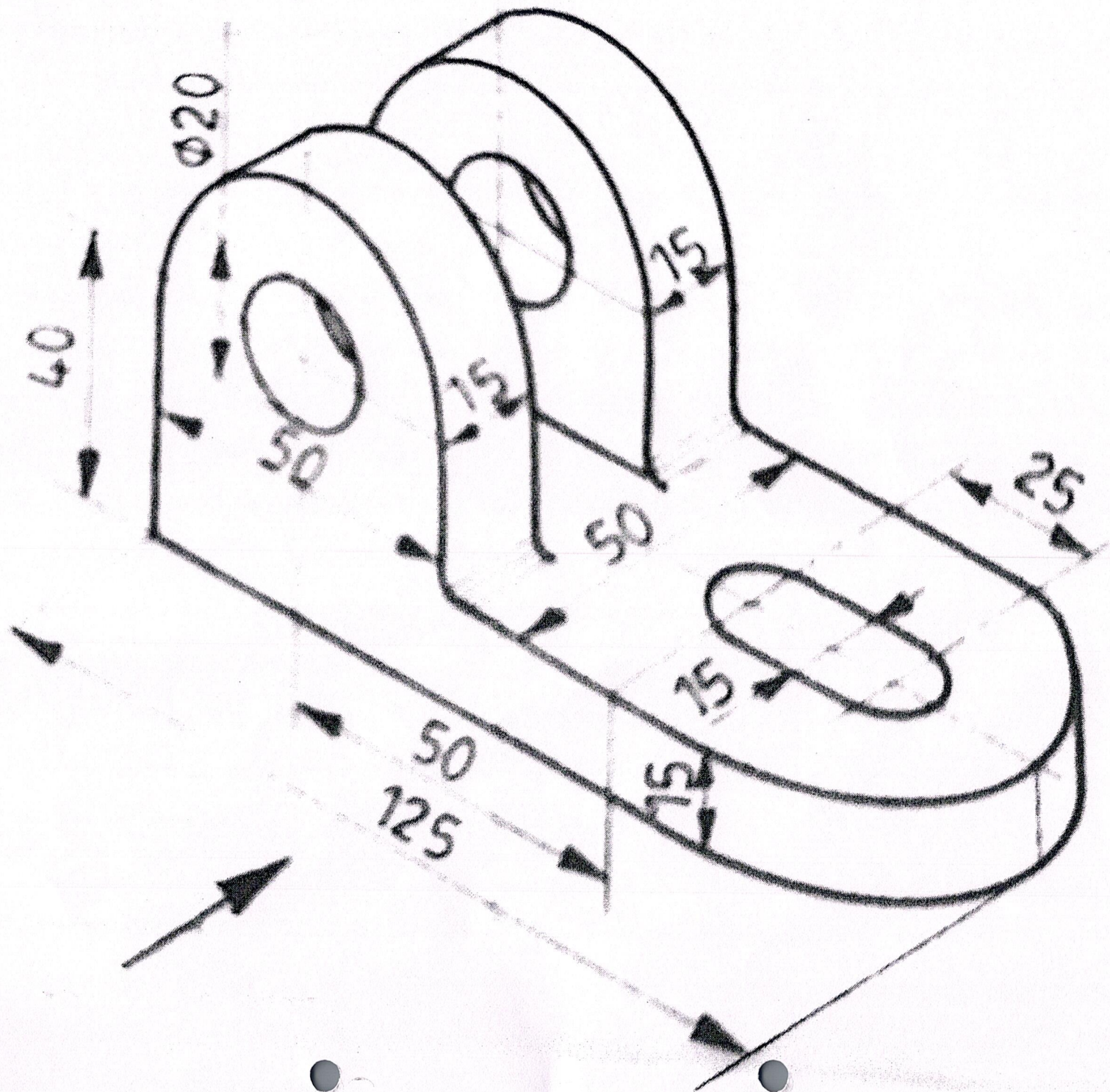
Thus the required isometric view & Orthographic views were developed and plotted

Viva Questions

- 1). What are constraints in Auto cad?
- 2). List some Editing commands?
- 3). What are v ports?
- 4). How to Retrieve command bar when it is not displayed?
- 5). How to change dimension size and Arrow size for dimensions?







Exercise-7

Aim: To Draw Isometric view and Generate Orthographic views for a given Diagram

Software Used: Auto cad

Commands used: Units, Limits, Line, Ortho, Region, union, v ports, plot, scale

Procedure:

- 1). Open Auto cad Software
- 2). Change Environment into 3D Modelling from workspace switching
- 3). Set Units into Metrics(MM)by Typing units command in command bar
- 4). Set Limits of Screen by limits commands as per Dimensions Required
- 5). Select Line commands with origin as Starting point
- 6). Show the direction of Line and mention the dimensions as per diagram in the selected side.
- 7). complete the selected side with appropriate directions and dimensions as per diagram
- 8). Make sure drafted side is completed as closed Entity.
- 9). Make complete side as single Entity with region Command.
- 10). Select extrude command and select closed entity
- 11). Show the Direction and give extrusion length as per diagram
- 13).Draft the top entities region it and use press pull commands to obtain groove feature as per diagram
- 14). Place appropriate Dimensions as per Requirement.
- 15). Convert the dwg into pdf from Plot command.
- 16). Use v ports and generate required orthographic projections and convert it into pdf.

Precautions

- 1). Care Must be taken while selecting units
- 2). Care must be taken while selecting front, Top, Side views using v ports
- 3). Dimensioning must given in appropriate views and avoid repeated dimensioning.
- 4). Care must be taken while selecting scale for orthographic views.

Result:

Thus the required isometric view & Orthographic views where developed and plotted

Viva Questions

- 1). What is pan? how to use it
- 2). How to Zoom in and Zoom out
- 3). What is region and union?
- 4). What are Trim and Mirror commands?

