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IF IN DOUBT, ASK

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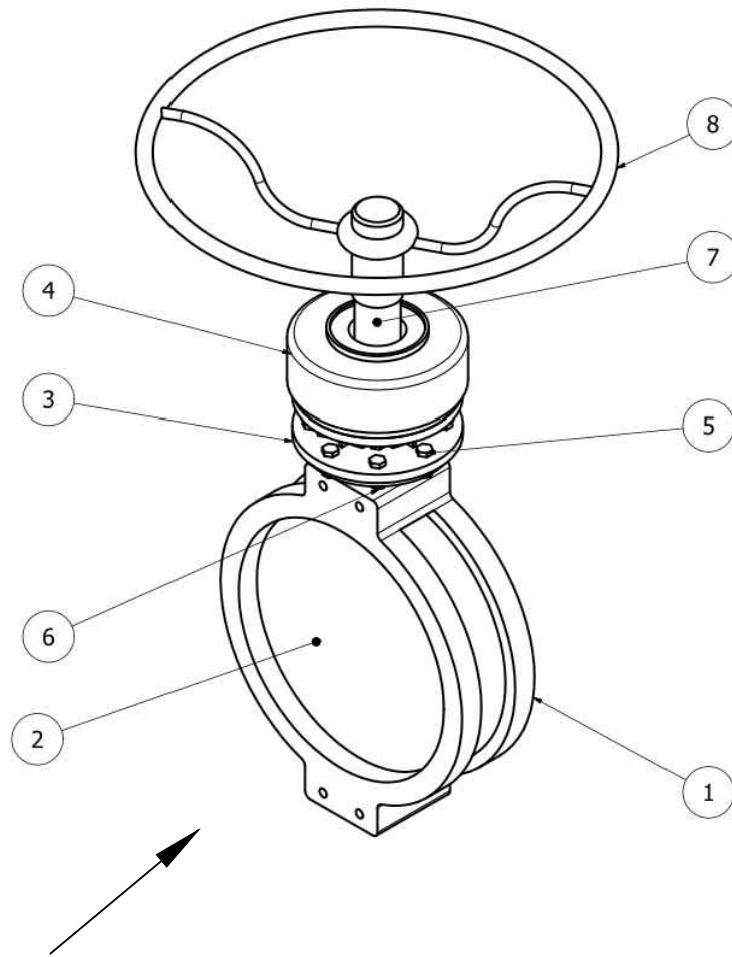


Figure 1

Q1: Assembly of a Valve is shown in the Figure 1 and the part drawings are shown in the adjoining figures.

Draw the front view and sectional side view of the assembly. Arrow in figure 1 shows the front viewing direction.

USE SCALING FACTOR: 1/2 (i.e. 0.5)

The marks are divided in the following categories:

- | | |
|--------------------------------|------------|
| 1. Front View | (12 Marks) |
| 2. sectional Side View | (12 Marks) |
| 3. Hatching | (02 Marks) |
| 4. Cutting Plane | (02 Marks) |
| 5. Dimensioning | (01 Mark) |
| 6. Title Block and border line | (01 Mark) |

The name of an image will be "Token Number_Major_Entry No_Group No" (e.g. 205_Major_2019PH12345_01). This image you have to upload on moodle followed by the link <http://moodle.iitd.ac.in/>

DRN		DEPARTMENT OF MECHANICAL ENGINEERING, IIT DELHI
CHKD		MCP 100 :ENGINEERING VISUALIZATION & COMMUNICATION
APPD		II SEMESTER AY 2019-2020
	RE-MAJOR EXAM: MCP 100	TITLE: ASSEMBLY RM.02
	PAPER 2: MANUAL BASED	PART NO: RM.02.00
SCALE: 1:1 DO NOT SCALE DRAWING	DRAWING NO: 2019-20/IIM.02.00	SHEET 1 of 9 REV. 0
ALL DIMENSIONS ARE IN MM.		

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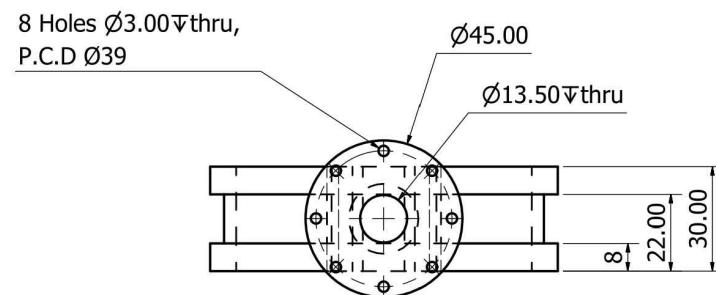
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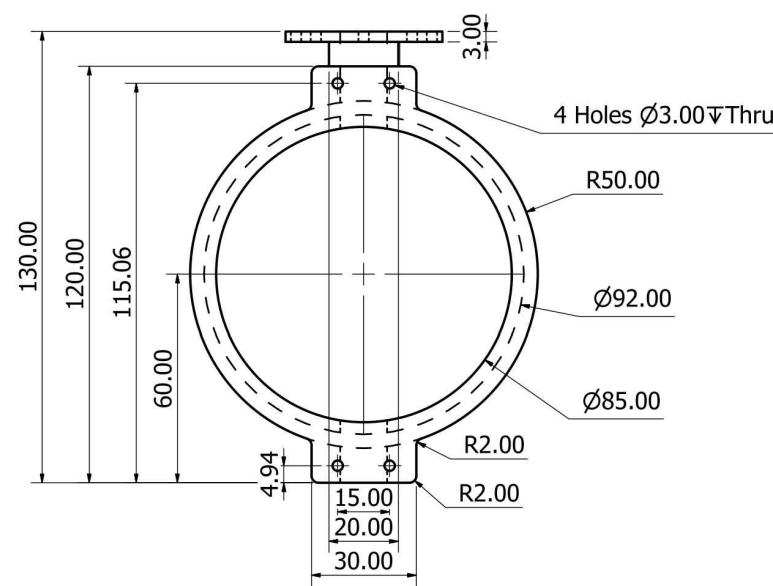
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		MAJOR EXAM: MCP 100	TITLE: PART RM.02
		PAPER 2: MANUAL BASED	PART NO: RM.02.01
SCALE: 1:1	DO NOT SCALE DRAWING	DRAWING NO: 2019-20/II/M.02.01	SHEET 2 of 9 REV. 0
ALL DIMENSIONS ARE IN MM.			

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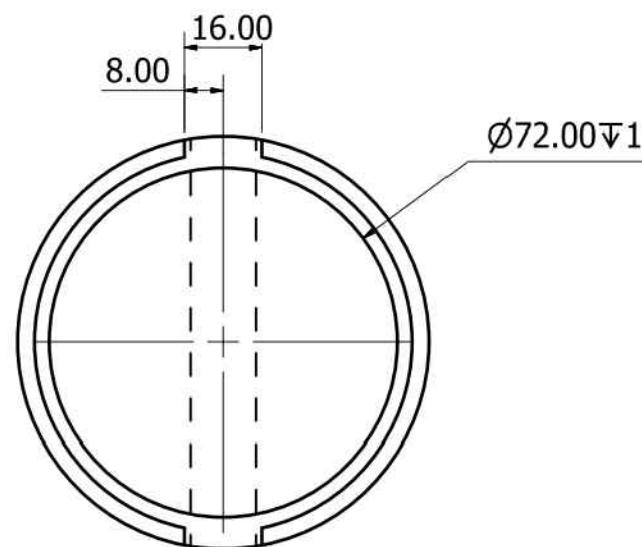
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CHKD		MCP 100 :ENGINEERING VISUALIZATION & COMMUNICATION
APPD		II SEMESTER AY 2019-2020
	MAJOR EXAM: MCP 100	TITLE: PART RM.02
	PAPER 2: MANUAL BASED	PART NO: RM.02.02
SCALE: 1:1 DO NOT SCALE DRAWING	DRAWING NO: 2019-20/IIM.02.02	SHEET 3 of 9 REV. 0
ALL DIMENSIONS ARE IN MM.		

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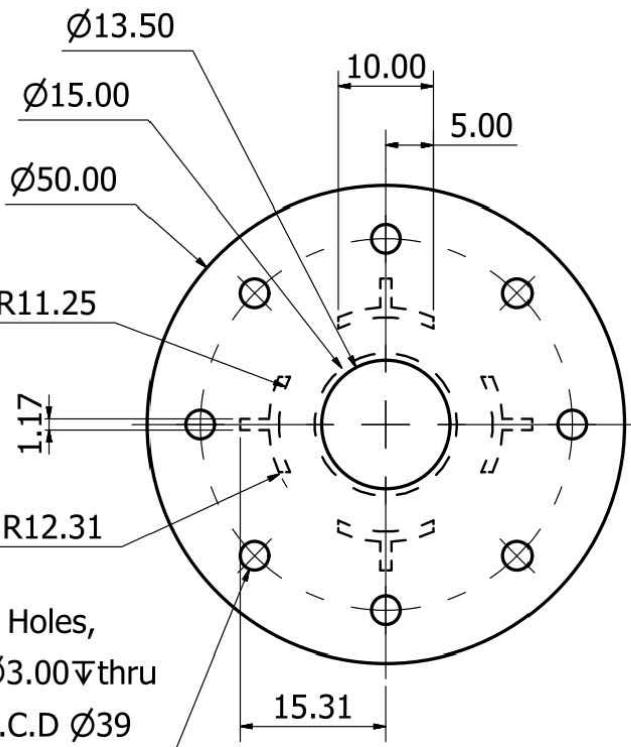
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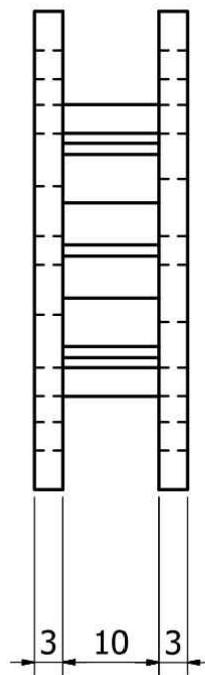
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DRN		DEPARTMENT OF MECHANICAL ENGINEERING, IIT DELHI
CHKD		MCP 100 :ENGINEERING VISUALIZATION & COMMUNICATION
APPD		II SEMESTER AY 2019-2020
	MAJOR EXAM: MCP 100	TITLE: PART RM.02
	PAPER 2: MANUAL BASED	PART NO: RM.02.03
SCALE: 1:1 DO NOT SCALE DRAWING	DRAWING NO: 2019-20/IIM.02.03	SHEET 4 of 9 REV. 0
ALL DIMENSIONS ARE IN MM.		

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 $\phi 17.00$ $\phi 53.00$ 8Holes, $\phi 3 \nparallel 3$
P.C.D $\phi 39$ $\phi 50.00$

R.50

 $\phi 28.00 \nparallel 1$

17.00

20.00

22.00

30.00

R2.00

DRN

CHKD

APPD

DEPARTMENT OF MECHANICAL ENGINEERING, IIT DELHI

MCP 100 :ENGINEERING VISUALIZATION & COMMUNICATION

II SEMESTER AY 2019-2020

MAJOR EXAM: MCP 100

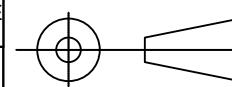
TITLE: PART RM.02

PAPER 2: MANUAL BASED

PART NO: RM.02.04

SCALE: 1:1 DO NOT SCALE
DRAWING

ALL DIMENSIONS ARE IN MM.

DRAWING NO:
2019-20/IIM.02.04SHEET 5 of 9
REV. 0

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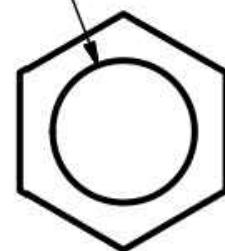
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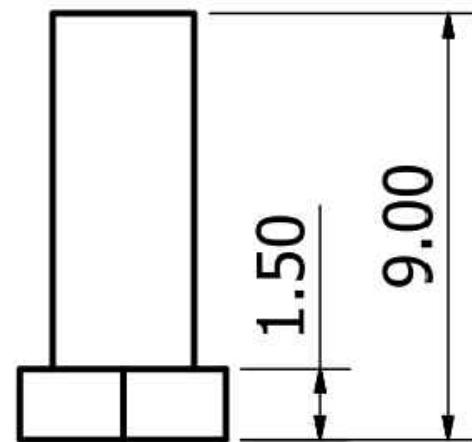
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DRN		DEPARTMENT OF MECHANICAL ENGINEERING, IIT DELHI	
CHKD		MCP 100 :ENGINEERING VISUALIZATION & COMMUNICATION	
APPD		II SEMESTER AY 2019-2020	
		MAJOR EXAM: MCP 100	TITLE: PART RM.02
		PAPER 2: MANUAL BASED	PART NO: RM.02.05
SCALE: 1:1	DO NOT SCALE DRAWING	DRAWING NO: 2019-20/IIM.02.05	SHEET 6 of 9
ALL DIMENSIONS ARE IN MM.			REV. 0

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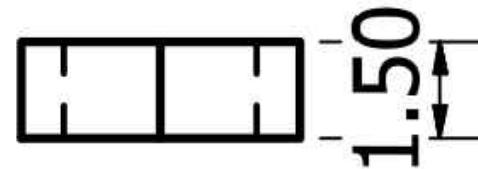
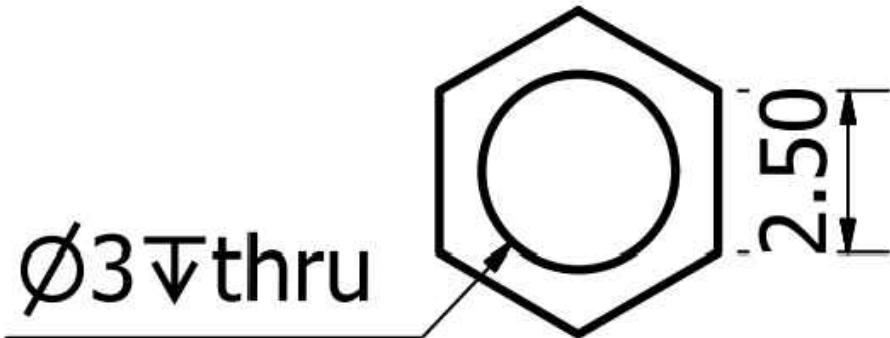
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		MAJOR EXAM: MCP 100	TITLE: PART RM.02
		PAPER 2: MANUAL BASED	PART NO: RM.02.06
SCALE: 1:1	DO NOT SCALE DRAWING	DRAWING NO: 2019-20/IIM.02.06	SHEET 7 of 9
ALL DIMENSIONS ARE IN MM.		REV. 0	

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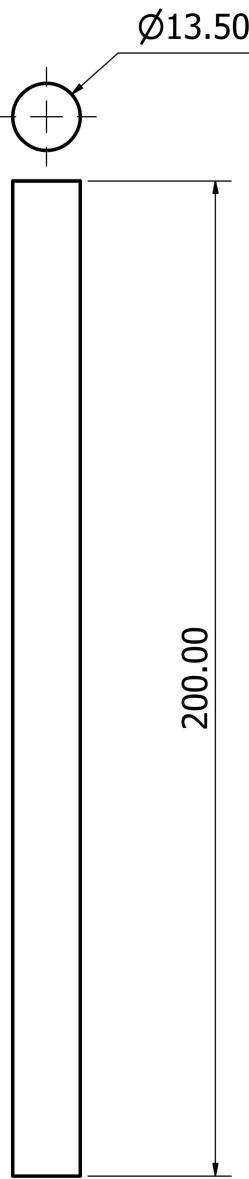
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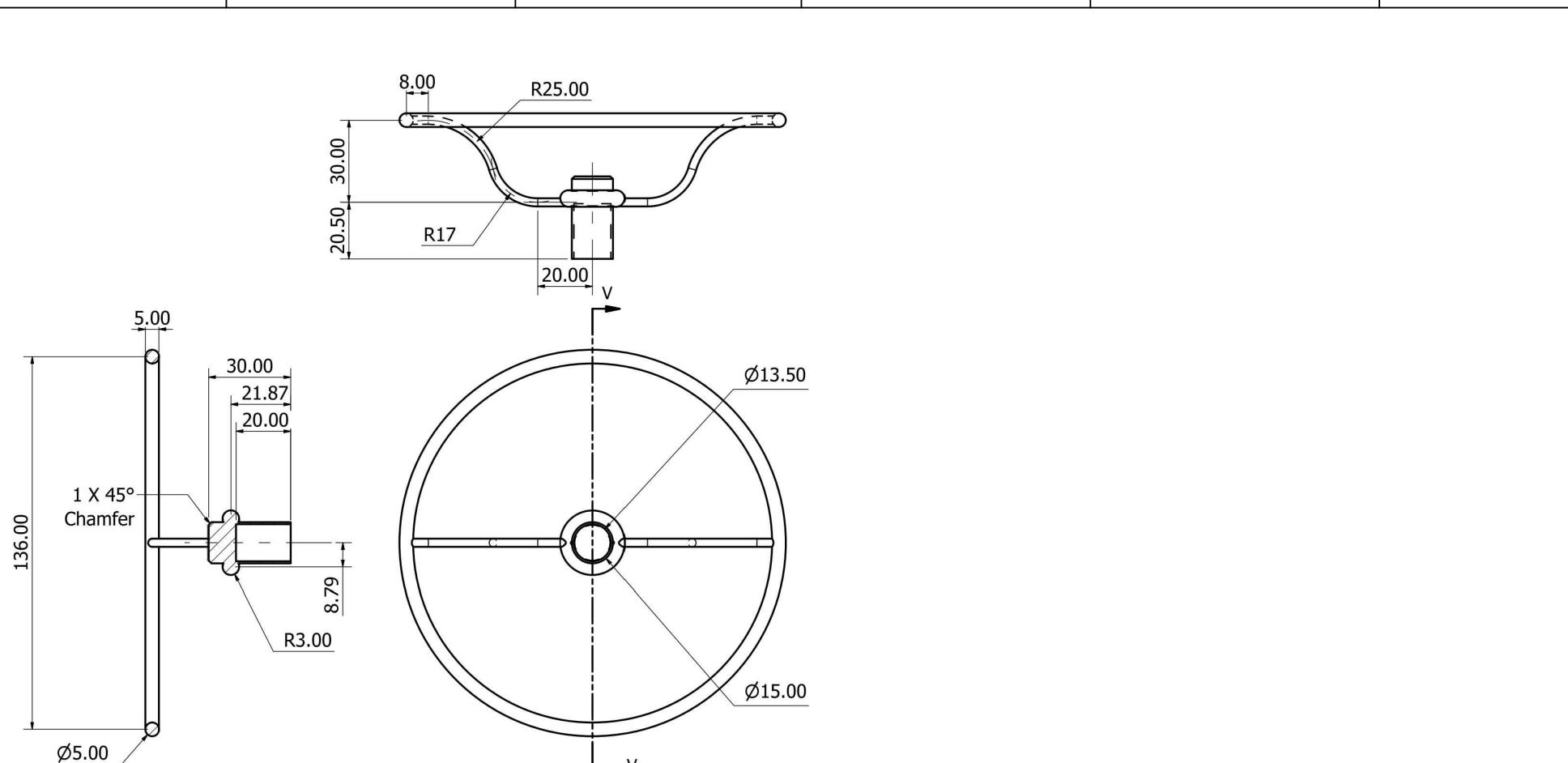
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DRN		DEPARTMENT OF MECHANICAL ENGINEERING, IIT DELHI	
CHKD		MCP 100 :ENGINEERING VISUALIZATION & COMMUNICATION	
APPD		II SEMESTER AY 2019-2020	
MAJOR EXAM: MCP 100		TITLE: PART RM.02	
PAPER 2: MANUAL BASED		PART NO: RM.02.07	
SCALE: 1:1	DO NOT SCALE DRAWING	DRAWING NO: 2019-20/IIM.02.07	SHEET 8 of 9 REV. 0
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APPD		II SEMESTER AY 2019-2020
	MAJOR EXAM: MCP 100	TITLE: PART RM.02
	PAPER 2: MANUAL BASED	PART NO: RM.02.08
SCALE: 1:1 DO NOT SCALE DRAWING	DRAWING NO: 2019-20/IIM.02.08	SHEET 9 of 9 REV. 0
ALL DIMENSIONS ARE IN MM.		

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