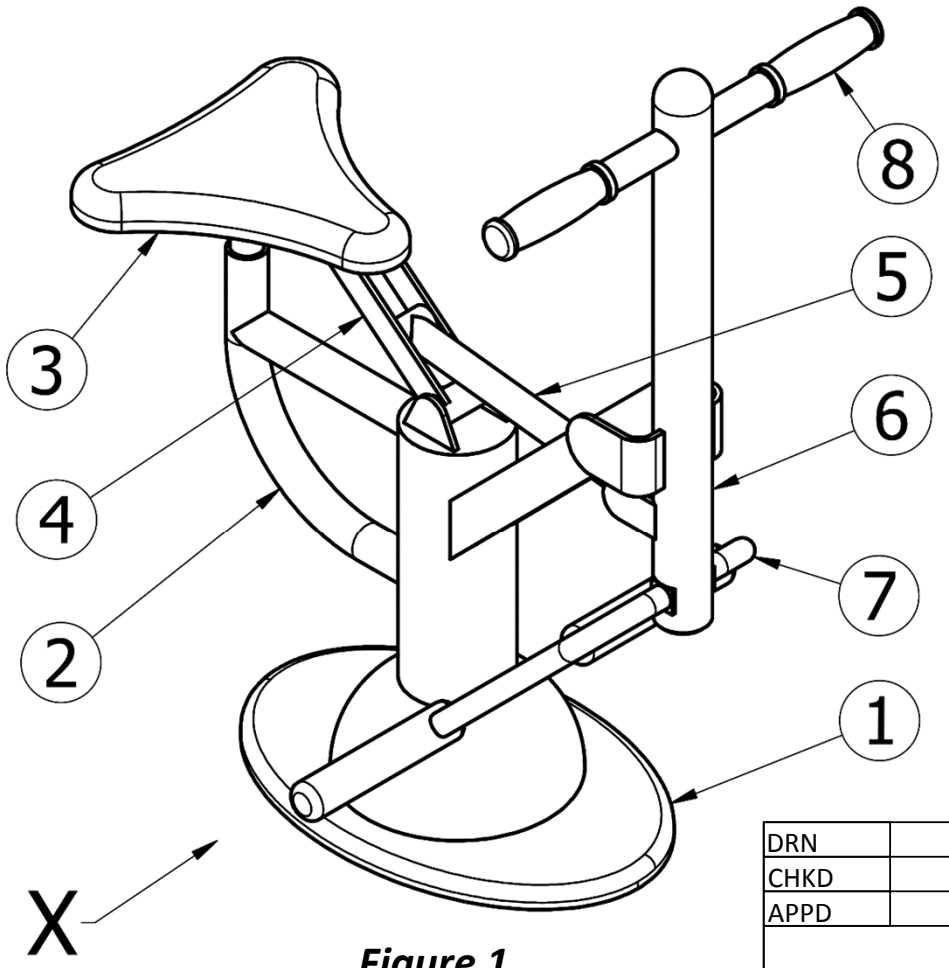

Figure 1

Q1: The parts of a bike as shown in Fig. 1 are given in adjoining figures. Generate the parts of the bike by using Autodesk Inventor, assemble the parts and make the sectional views. Arrow in Figure 1 shows the front viewing direction of the assembly.

The marks are divided in the following categories:

1.Generation of parts **(20 Marks)**
2.Assembly **(05 Marks)**
3.Top View and Sectional front views of assembly with overall dimensions. **(04 Marks)**
4. Submitting files in said format **(01 Mark)**

Note for Submission:

Save all the part files, assembly and drawing files in a single folder. The name of the folder will be "**Token Number_Major_Entry No_Group No**" (e.g. 25_Major_2019PH12345_01). Then compress the folder in "**.zip" format** and provide the name to that zip file same as the folder name. This zip file you have to upload on moodle followed by the link http://moodle.iitd.ac.in/ You may zip your folder by right click on the folder and select "add to archive" and then select zip format from the window then select ok.

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		PAPER 1: SOFTWARE BASED	PART NO: M.01.00
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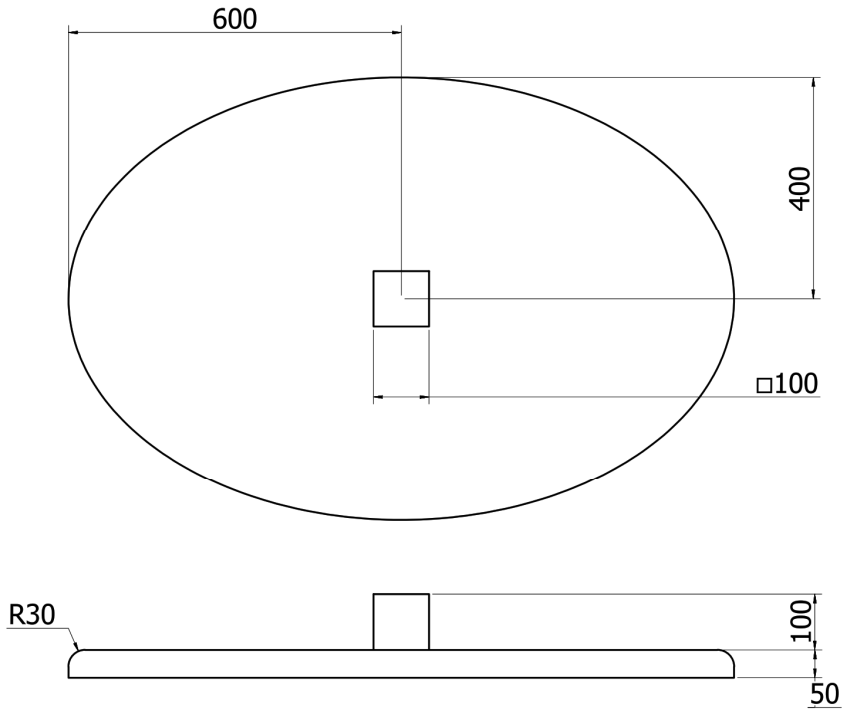

Symbol □ signifies a square

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		PAPER 1: SOFTWARE BASED	PART NO: M.01.01
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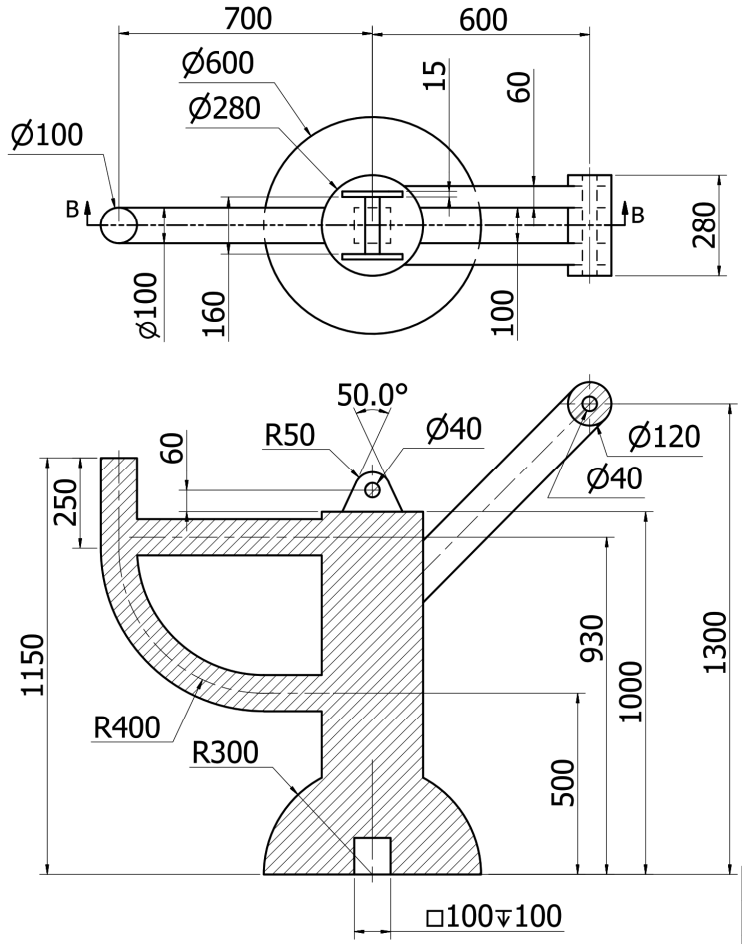

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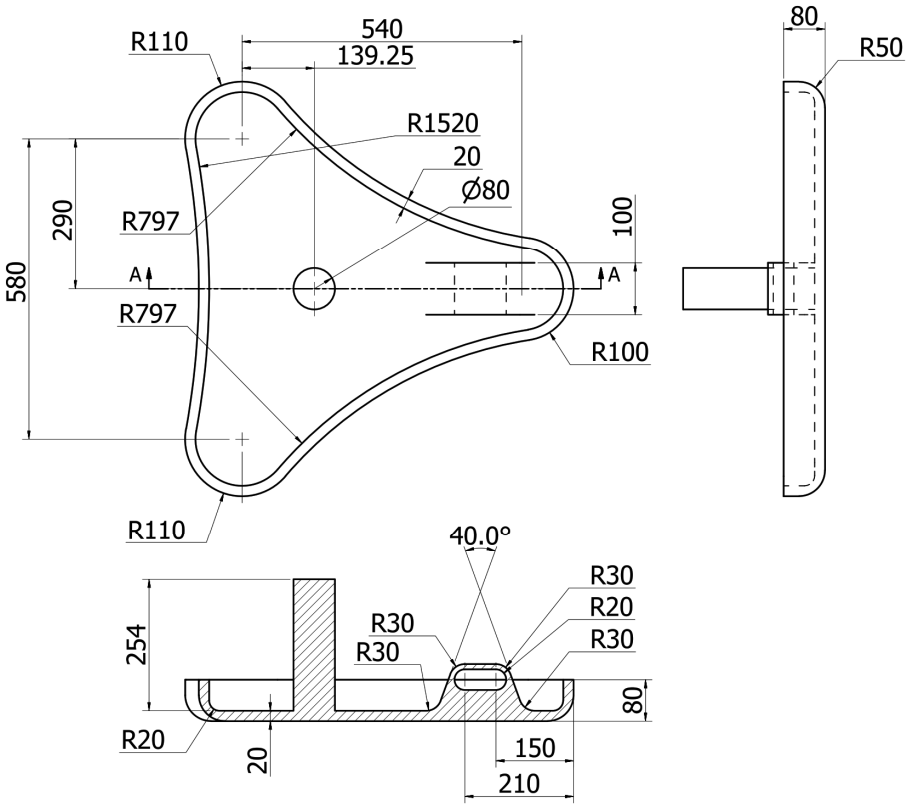

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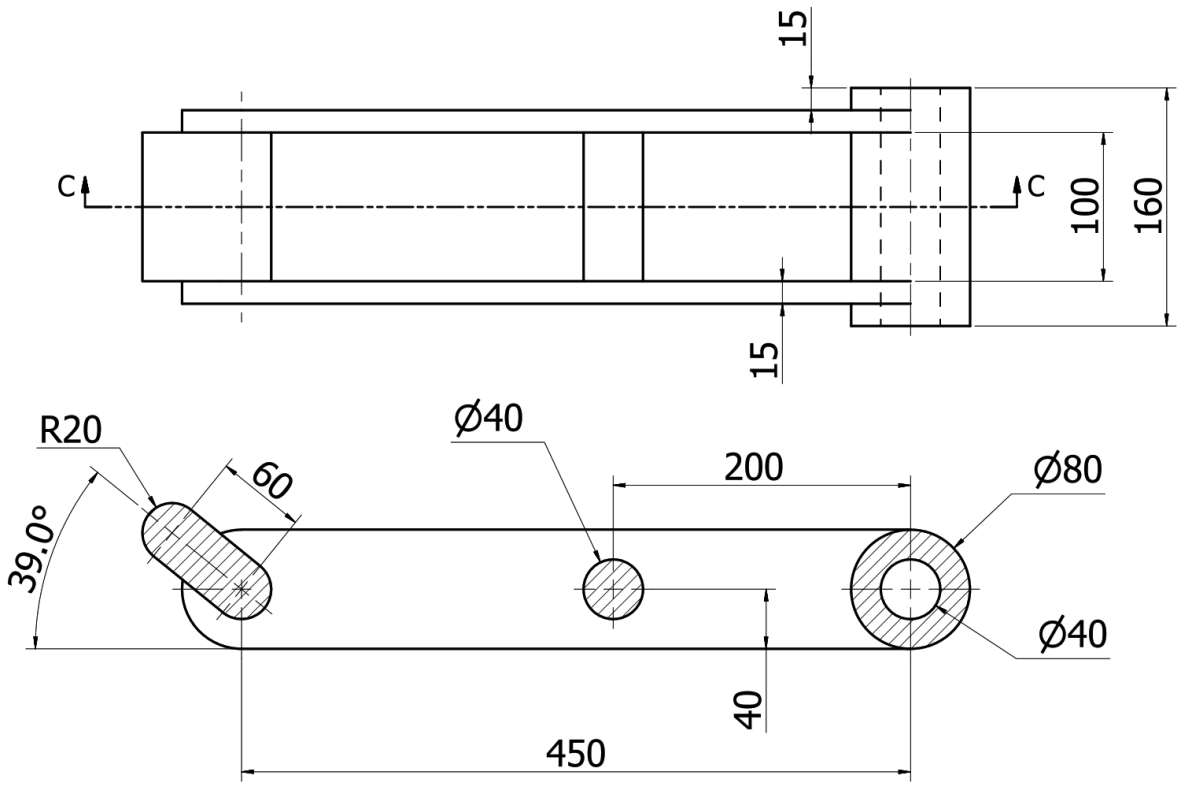

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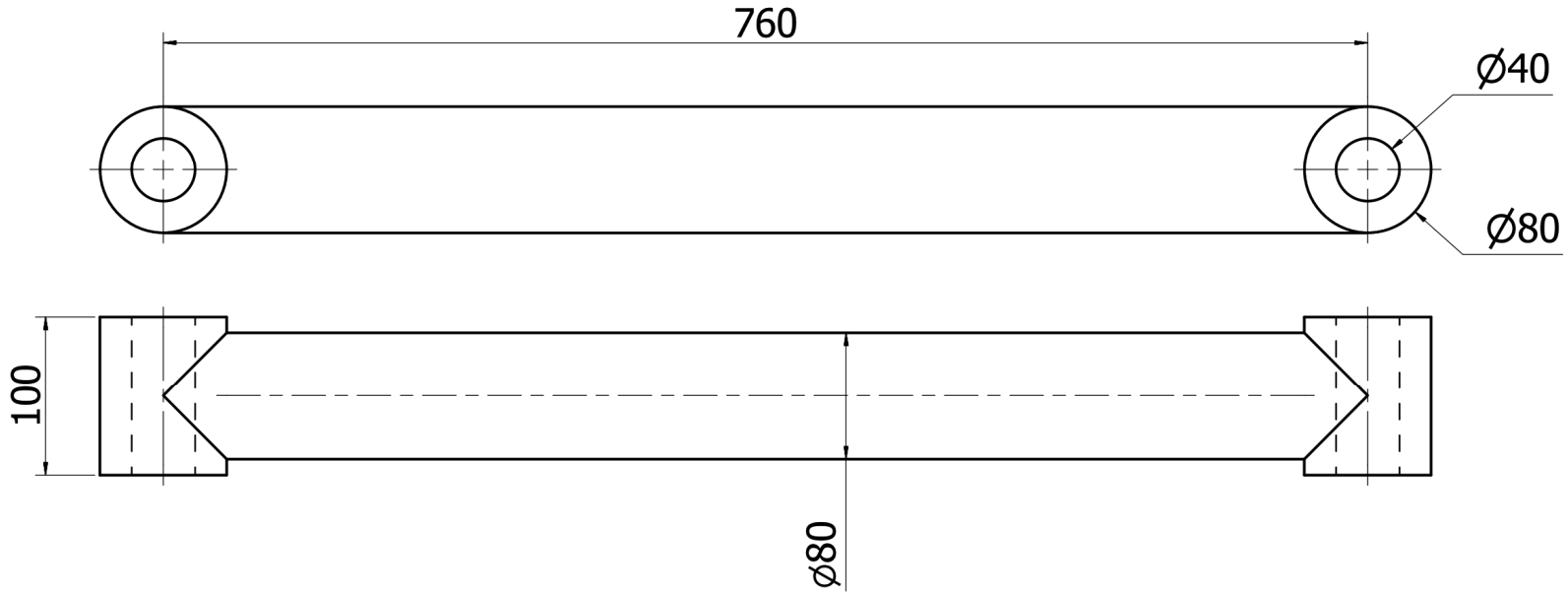

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		PAPER 1: SOFTWARE BASED	PART NO: M.01.05
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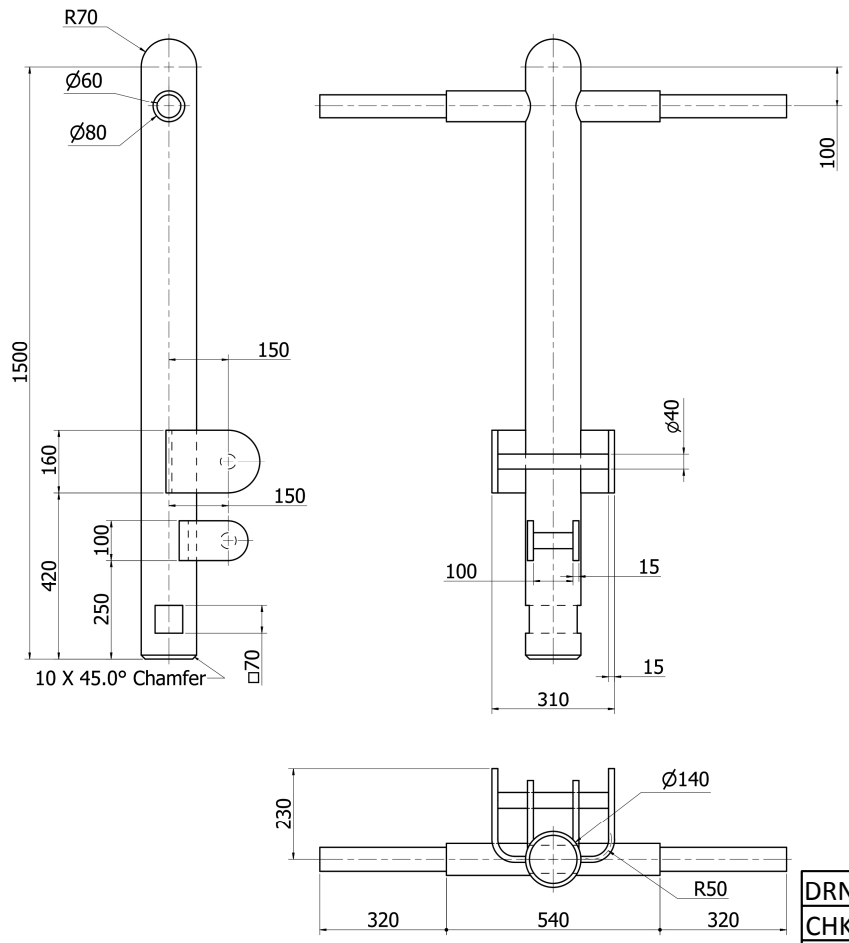

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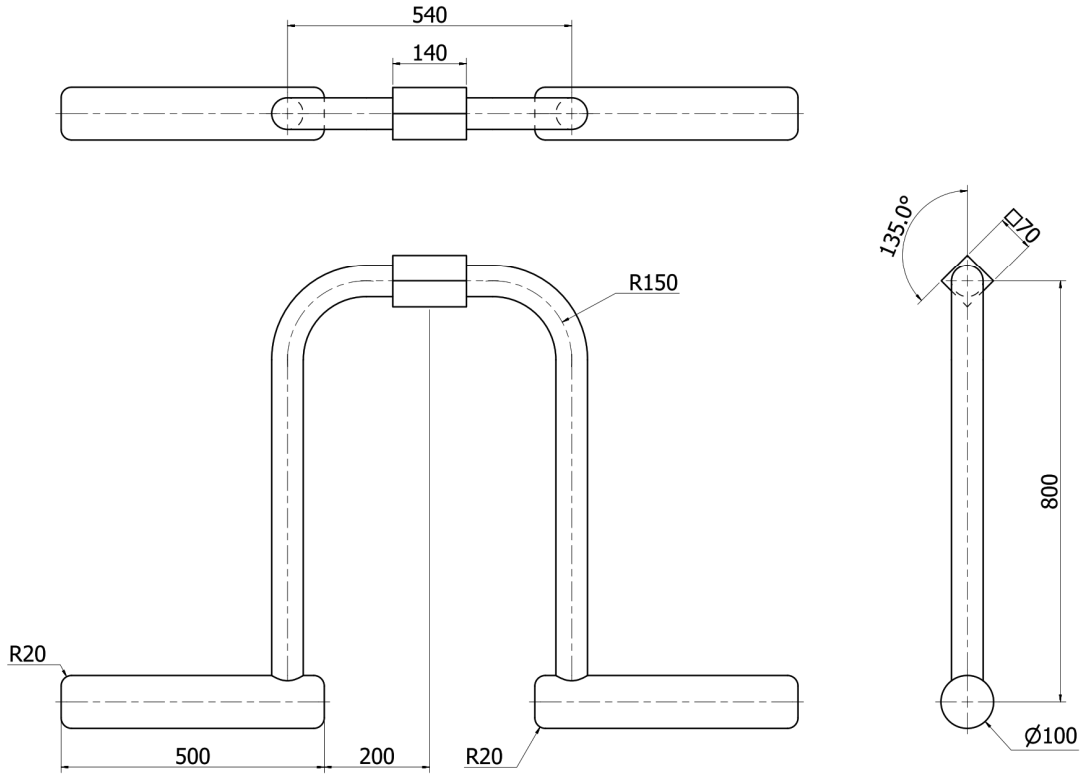

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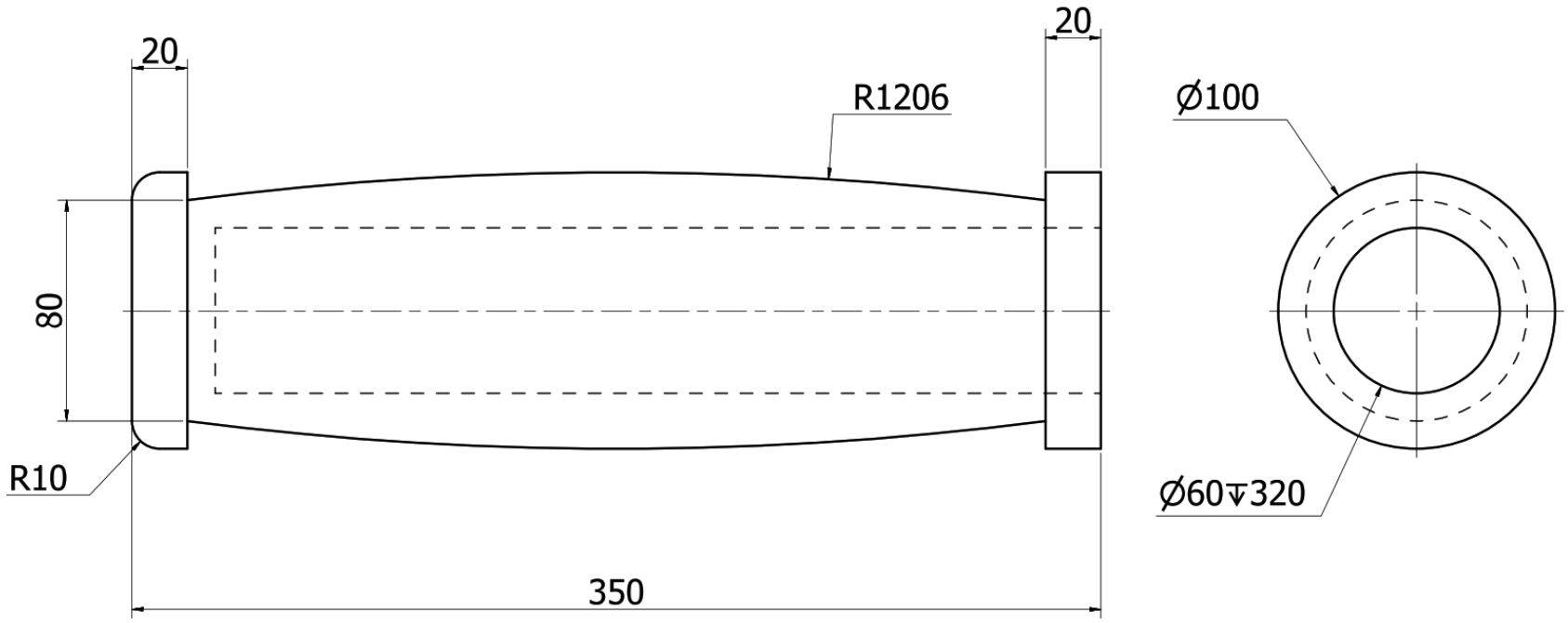

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APPD		II SEMESTER	AY 2019-2020
		MAJOR EXAM: MCP 100	TITLE: PART M.01
		PAPER 1: SOFTWARE BASED	PART NO: M.01.08
SCALE: 1:1	DO NOT SCALE DRAWING		DRAWING NO: 2019-20/II/M.01.08
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