

Major Exam Batch 2

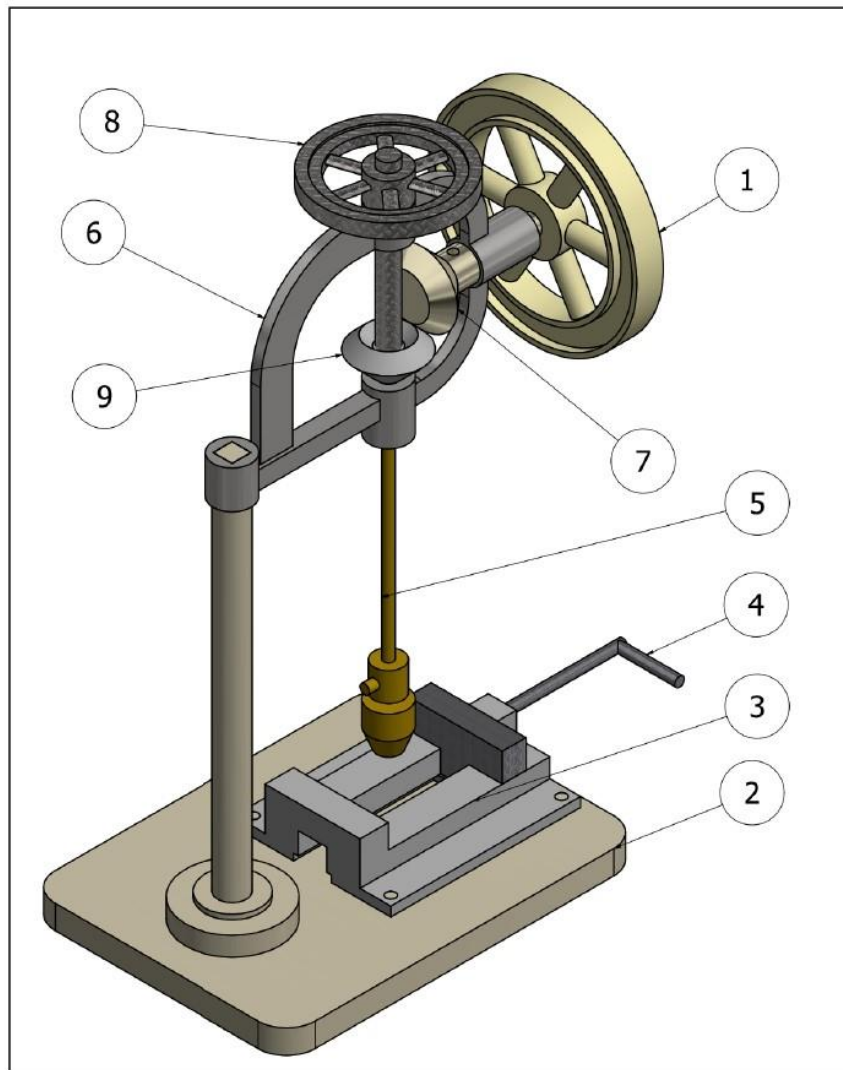
Q. Fig.1 shows the assembly of the prototype with different components. (M.M 35 Marks)

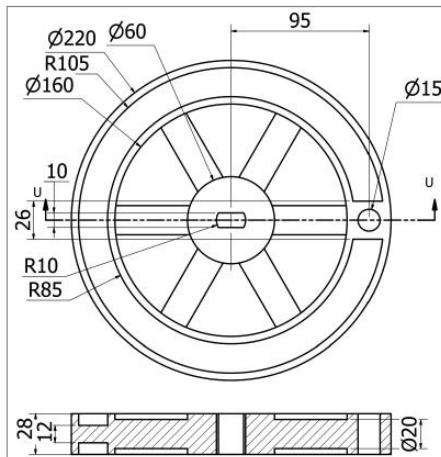
Draw the following things in Autodesk inventor: -

(a) Part Modelling. (23 Marks)

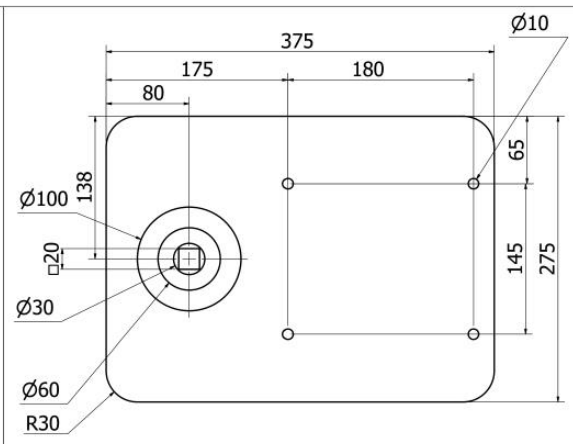
(b) Assembly. (06 Marks)

(c) Drawing (Front view, Top view, and Section Side view) with dimensions. (06 Marks)



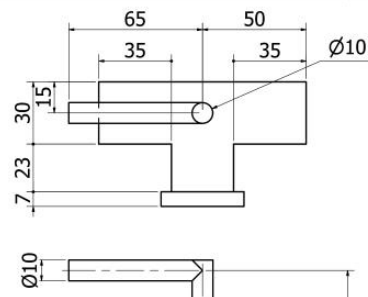
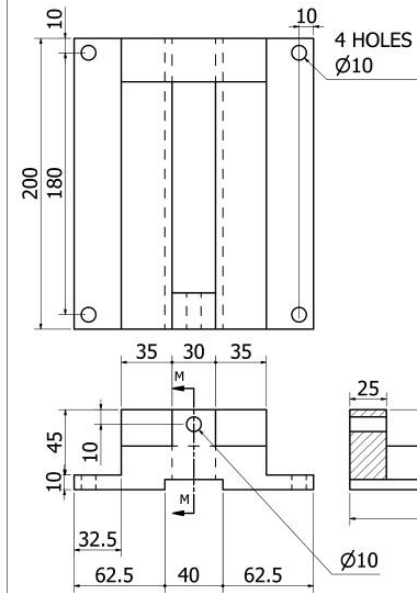


PART 1

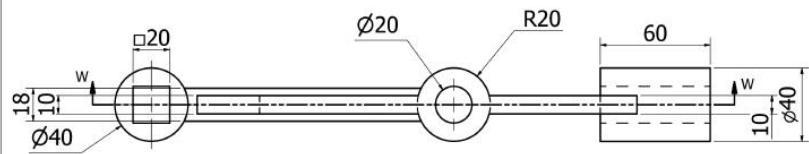
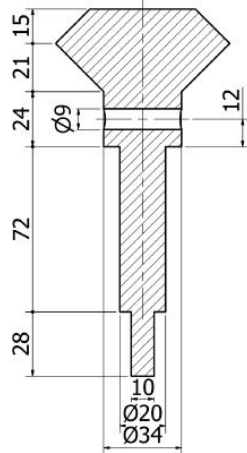
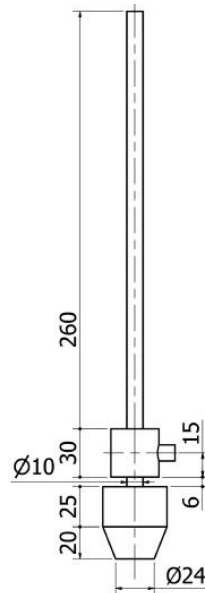


PART 2

PART 3



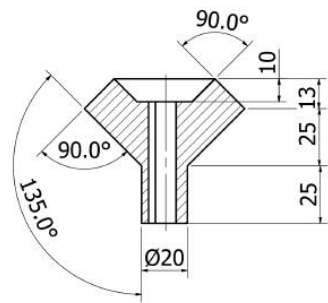
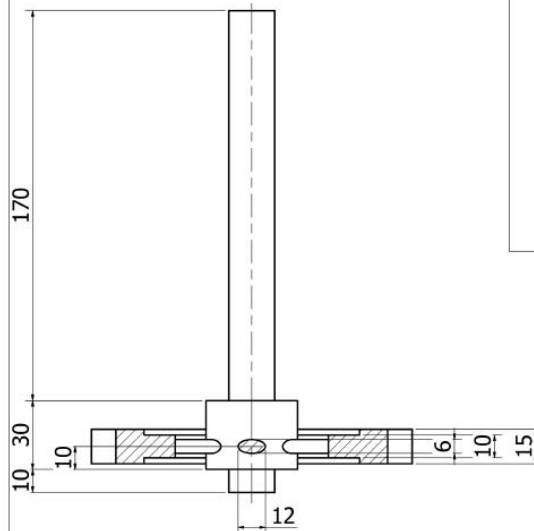
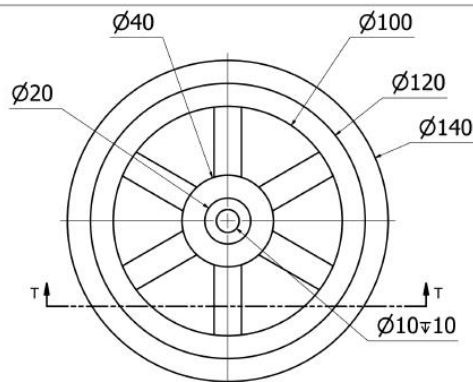
PART 4



Technical drawing of a mechanical part, likely a valve or fitting, showing a cross-section with dimensions and radii.

Dimensions and Radii:

- Overall width: 165
- Overall height: 142
- Top left radius: R100
- Top right radius: R66
- Top right internal radius: R70
- Bottom right internal radius: R50
- Bottom right hole diameter: $\phi 20$
- Bottom right hole depth: 58
- Bottom right hole offset: 63
- Bottom right hole radius: 65
- Bottom right hole radius: 19.8
- Bottom right hole radius: 25
- Bottom right hole radius: 80
- Bottom right hole radius: 165
- Bottom right hole radius: 25
- Bottom right hole radius: 34
- Bottom right hole radius: 40
- Bottom right hole radius: 49
- Bottom right hole radius: 10
- Bottom right hole radius: 40



PART 8