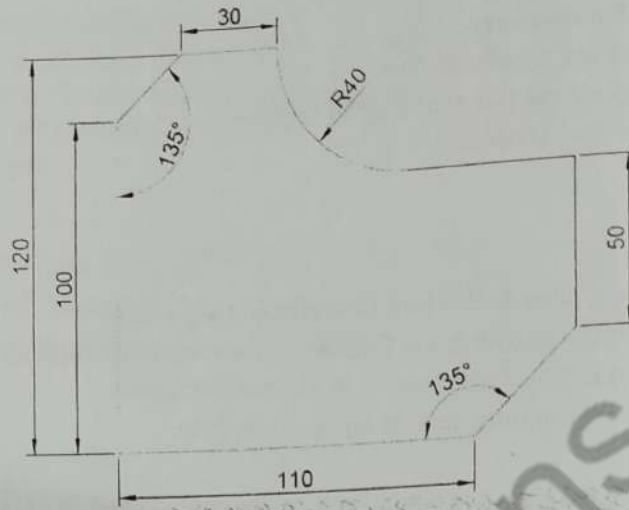


Q.5

a) Write a part program in APT for the component shown in Fig using end mill cutter of 20mm diameter. Clearly show the axes system chosen with a sketch and the direction of the cutter for the motion statements. 10



b) Socio-Techno-Economic aspects of CIM. 10

Q.6

Write short note on any **Four**: 20

- a) Use of CAE in Engineering Analysis.
- b) Constructive solid geometry and Boundary representation
- c) Automated Storage/Retrieval System(AS/RS)
- d) 3D Printing
- e) APT statements
