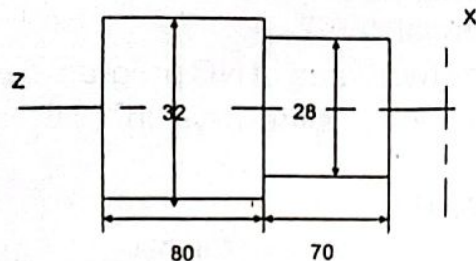


Q.35 Write a simple finishing cut program in absolute mode for step turning (CO2)



SECTION-D

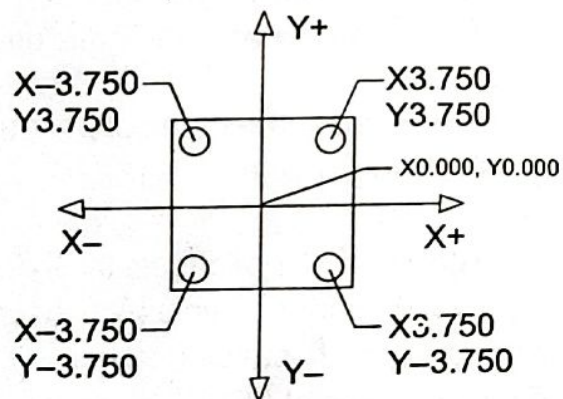
Note: Long answer type questions. Attempt any two questions out of three questions. 2x10=20

Q.36 Explain the function and working of recirculating ball screw mechanism with a neat diagram. (CO1)

Q.37 Write short notes no :

- Encoders
- LVDT

Q.38 Write a complete drill program for the following part. Assume any missing data of dimension



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Mechanical Engg

Subject : CNC Machines and Automation

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 The axis perpendicular to work holding surface of a CNC machine is (CO3)

- X
- Y
- Z
- W

Q.2 Point-to-point systems are used for _____ (CO2)

- drilling
- parting
- grooving
- facing

Q.3 Which type of feedback device used in CNC machine? (CO1)

- Positional feed back device
- Velocity feedback device
- Both a and b
- None of the above

Q.4 In servo motor, input command is (CO1)

- Magnetic field
- Electrical pulses
- Mechanical device
- Hydraulic device

Q.5 In a DNC system (CO1)

- many machine tools can be controlled simultaneously
- only a single machine tool can be controlled
- NC machine cannot be controlled

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