

QUESTION BANK - UNIT TEST 2
ADVANCED MANUFACTURING PROCESSES (22563)

Chapter 4

2 Mark Questions

- 1) Define CAM & NC. (CO4)
- 2) Define CNC & DNC (CO4)
- 3) Give any 4 applications of CNC. (CO4)
- 4) Draw closed loop control system. (CO4)
- 5) Describe thumb rule for Axis Identification in CNC. (CO4)

4 MARKS QUESTIONS

- 1) What are important features of CNC? (CO4)
- 2) Write 4 advantages and 4 limitations of conventional NC machine. (CO4)
- 3) Describe MCU of CNC system. (CO4)
- 4) Give classification of CNC machines. (CO4)
- 5) Differentiate between Vertical & Horizontal machining center. (CO4)

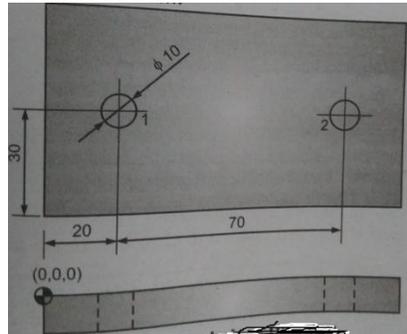
Chapter 5

2 Mark Questions

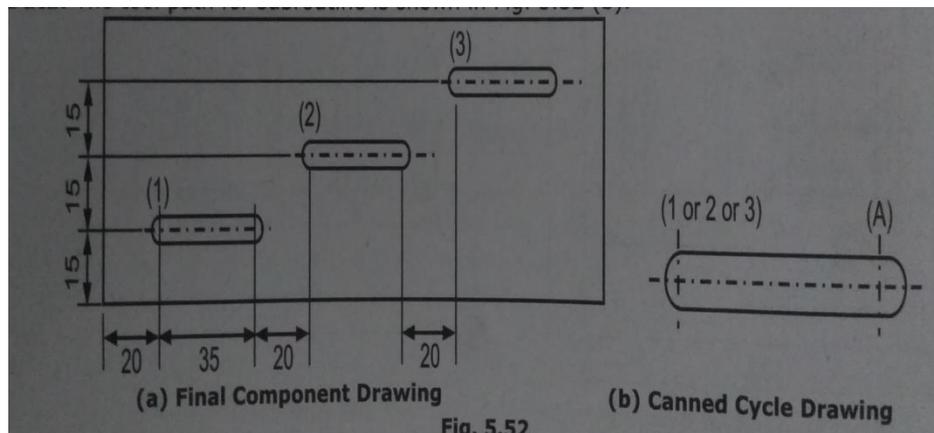
- 1) Write meaning of NC codes 1) G28 2) G80 3) G95 4) M 08 (CO5)
- 2) Write General steps to write a part program. (CO5)
- 3) Give 4 advantages of machining Center. (CO5)
- 4) What is cutter radius compensation? (CO5)
- 5) What is Canned cycle for drilling? (CO5)

4 Mark Questions

- 1) Differentiate between Subroutine and Canned Cycle. (CO5)
- 2) Write part program to drill the two holes of 10 mm thickness as shown in figure. (CO5)



- 3) Write a program to mill slots of part as shown in fig. Make use of Subroutine. Plate thickness is 5 mm. Reference plane is 3 mm above the top surface. Cutter diameter is 5 mm. (CO5)



Chapter 6

2 Mark Questions

- 1) What is need of automation in industry? (CO6)
- 2) What is cellular manufacturing? (CO6)
- 3) Define Robot. (CO6)
- 4) Give 4 disadvantages of Robot. (CO6)

4 Mark Questions

- 1) Describe flexible Automation with Features, Advantages & Limitations. (CO6)
- 2) Describe Robots Degree of Freedom. (CO6)
- 3) What are different components of Robot? (CO6)
- 4) What is Group Technology? (CO6)