

Paper ID [PE206]

(Please fill this Paper ID in OMR Sheet)

B.Tech. (Sem. - 4th)

MANUFACTURING PROCESSES - II (PE - 206)

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is Compulsory.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Two** questions from Section - C

Section - A

Q1)

(10 × 2 = 20)

- a) What is threading.
- b) What is a milling machine.
- c) What is indexing.
- d) What is the use of a slotting machine.
- e) What do you understand by coining.
- f) What is reaming.
- g) What is centreless grinding.
- h) What do you understand by jig boring.
- i) What is the function of a broaching machine.
- j) Where do we use progressive dies.

Section - B

(4 × 5 = 20)

- Q2)** Differentiate between a turret and capstan lathe.
- Q3)** Explain a compound die with the help of a sketch.
- Q4)** Discuss one of the method used in production of spur gear.
- Q5)** Explain the working of a horizontal boring machine.
- Q6)** Explain blanking, piercing, shearing and notching operations.

Section - C

(2 × 10 = 20)

- Q7)** What are various types of indexing explain compound indexing.
- Q8)** Explain the cylindrical grinding machine with the help of a sketch.
- Q9)** Write notes on:
- (a) Honing
 - (b) Broaching tools.

