

Manufacturing Processes-II
(ME-212, MAY 2007)

Time: 3 Hrs
Max Marks: 60

Note: Section A is compulsory. Attempt any four questions from Section B and any two from Section C.

Section-A

1. a) Write the various products of rolling.
b) Define forging.
c) Write various variables in extrusion process.
d) Name the various press working operations.
e) Write the various application of extrusion process.
f) Classify the coolants used in metal cutting.
g) Define taper turning.
h) Differentiate between up milling and down milling.
i) Define cylindrical grinding.
j) Define broaching machine.

Section-B

2. Explain in detail various forging processes.
3. Write note on:
 - a) Spinning
 - b) Bending
4. Explain in detail various drive mechanism in lathe machine.
5. Explain in detail center less grinder with help of diagram.
6. Write note on forging defects and their remedies in detail.

Section-C

7. a) Explain wire drawing with the help of diagram and write its application.
b) Write short note on various types of presses and also explain press working tools.
8. a) Differentiate between planer and shaper.
b) Draw the geometry of single point cutting tool and also explain its principal angles.
9. Write short notes on:
 - a) Methods of producing powders.
 - b) Drawing of rods.
 - c) Cemented carbides.
 - d) Speed and feed in drilling machine.