Manufacturing Processes-II (ME-212, Dec-07)

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

Section-A

- 1. a) Define rolling.
 - b) What is the difference between wire and tube drawing?
 - c) What is difference between press forging and drop forging?
 - d) Define bending.
 - e) Define powder metallurgy.
 - f) Write the properties of high carbon steel.
 - g) Write the function of lubricants in metal cutting.
 - h) Differentiate between shaping and planning machine.
 - i) Define boring operation.
 - j) Write the composition of grinding wheel.

Section-B

- 2. Classify the metal forming processes.
- 3. Explain in detail extrusion process with the help of diagram.
- 4. Define twist drill and explain various angles and terms related to twist drill.
- 5. Write note on various lathe operations.
- 6.Write the principle of milling machine and write its types and explain any one in detail.

Section-C

- 7. (a) Classifies the rolling mills and writes rolling defects.(b) Write the function of coolants and what is the effect of coolants on speeds and feed in
- metal cutting. 8. (a) Write note on working principle of shaper and shows its main parts with the help of diagram.
 - (b) Explain the principle and working of slotting machine with help of diagram.
- 9. Write a short note on
 - (i) Deep drawing
 - (ii) Main variable in rolling
 - (iii) Cutting tool material
 - (iv) Lubricants