

**Manufacturing Processes-II**  
**(ME-212, DEC 2006)**

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) What are the applications of rolling?  
b) What are various types of Extrusion?  
c) What are the applications of 'Metal Spinning'?  
d) What is 'SINTERING' in powder metallurgy?  
e) What are 'Stellites'? Give their applications.  
f) Where do you find the applications of CBN and ceramic cutting tools?  
g) What is counter boring and counter sinking in drilling?  
h) What are 'steady rest' and 'Follower REST' in lathe machines?  
i) How does a universal milling machine differ from a plain milling machine?  
j) Give any two differences between shaper and planer.

**Section-B**

2. Explain open die forging and closed die forging.
3. What is HVRF? Explain with a sketch.
4. What are various coolants used in machining? Give their applications.
5. Explain 'thread cutting' operation on a lathe.
6. Draw a BROACH and name its parts.

**Section-C**

7. Explain with neat sketches. (a) Up milling (b) Down milling (c) Face milling
8. What are the factors considered in selection of a Grinding wheel? Explain.
9. Explain the operations carried out on presses by means of neat diagrams.

allsubjects4you.com