

Code :R7410309

R7

IV B.Tech I Semester(R07) Supplementary Examinations, May/June 2011
UNCONVENTIONAL MACHINING PROCESSES
(Mechanical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. Enumerate general considerations in process selection for modern machining processes.
2. Discuss the working principle of ultrasonic machining process. What are the various process parameters?
3. Discuss the mechanics of metal removal rates, the applications of abrasive jet machining.
4. Describe the general principle and applications of electrochemical machining.
5. Describe the variants of electric discharge machinery. What is wire EDM?
6. Describe the general principle and working of laser beam machining. What are the advantages and applications of laser beams.
7. Discuss the general principle of plasma arc machining. What are its advantages and limitations.
8. Write short notes:
 - (a) Abrasive flow finishing.
 - (b) Chemical machining.
