



VELAMMAL

INSTITUTE OF TECHNOLOGY
CHENNAI-601204

QUESTION BANK

ME 2252 MANUFACTURING TECHNOLOGY - II

UNIT 1

PART-A

1. Define tool wear. *(May / June 2006)*
2. List the functions of cutting fluids? *(May / June 2006)*
3. Give two examples for orthogonal cutting? *(Nov / Dec 2007)*
4. What are four important characteristics of materials used for cutting tools? *(Nov / Dec 2007)*
5. List out the difference between orthogonal & oblique cutting? *(May / June 2008)*
6. Write short notes on flank wear and crater wear of a single point cutting tool? *(May / June 2008)*
7. List out the essential characteristics of cutting fluids. *(Nov / Dec 2008)*
8. Name the various cutting materials. *(Nov / Dec 2008)*
9. How can build up edge formed during machining be avoided? *(Nov / Dec 2009)*
10. In the experiment on the orthogonal cutting , a chip length of 85 mm was obtained from an uncut chip length of 202 mm while cutting with a tool of 20 degree rake angle using a depth cut of 0.5 mm, Determine the shear plane angle. *(Nov / Dec 2009)*
11. What are the factors responsible for the build-up edge in cutting tools? *(May / June 2009)*

12. What is electro chemical wear in tools? *(May / June 2009)*
13. What are the objectives and functions of cutting fluids? *(Nov / Dec 2010)*
14. Briefly explain the effects of rake angle during cutting. *(Nov / Dec 2010)*
15. How do you classify tool wear? *(May / June 2010)*
16. Define Tool Life. *(May / June 2010)*
17. Compare orthogonal and oblique cutting. *(May / June 2011)*
18. Define tool life. *(May / June 2011)*
19. State any two situations where positive rake angle is recommended during turning. *(Nov / Dec 2011)*
20. Name any two reasons for flank wear in cutting tools. *(Nov / Dec 2011)*
21. What is meant by built-up edge? *(May / June 2012)*
22. What are the advantages for diamond tools? *(May / June 2012)*
23. What is the function of chip breakers? *(Nov / Dec 2005)*
24. Name the factors that are contributed to the poor surface finish in cutting. *(Nov / Dec 2005)*
25. What is orthogonal cutting? *(Nov / Dec 2006)*
26. What are the functions of cutting fluids? *(Nov / Dec 2006)*
27. List the various material removal processes. *(May / June 2011)*
28. How chip formation occurs in metal cutting *(May / June 2011)*