

DEPARTMENT OF MECHANICAL ENGINEERING

Sub. Code/Name: ME6005 -Process Planning & Cost Estimation Year/Sem: IV/VII

QUESTION BANK

UNIT-I PROCESS PLANNING

Part-A (2 Marks)

1. What is meant by process planning?
2. Define technology view of process planning.
3. What are the activates associated with process chart?
4. What are the factors affect process planning?
5. List any four information required for process planning.
6. What are factors that influence process planning?
7. What are the reasons for process documentation?
8. State the general approaches to process planning?
9. What is manual process planning?
10. What are the advantages of manual process planning?
11. What are the disadvantages of manual process planning?
12. What is CAPP?
13. What are the advantages of CAPP?
14. What is Flow Chart?
15. List any two advantages and limitations of flow and Decision charts?
16. Explain process planning activates.
17. What are the disadvantages of flow charts?
18. What is decision table?
19. State the benefits of decision table?
20. What are the tools for acquiring documentation knowledge?

Part-B (16 Marks)

1. Explain the technological framework of process by using a block diagram. (16)
2. List the information required for process planning. (16)
3. What are the factors that influence process planning? (16)
4. Explain in detail the process planning activities. (16)
5. Explain the manual approach to process planning. (8)
What are advantages and limitations? (8)

6. (i) What is meant by CAPP? (4)
(ii) List out the benefits of CAPP systems. (12)
7. Explain the two approaches commonly used in CAPP system bringing out their advantages and limitations. (16)
8. Compare and contrast the features of variant and generative CAPP systems. (16)
9. Write short notes on 'tools for developing manufacturing logic and knowledge'.
10. What are the advantages and limitations of
 using? (i) Flow charts (8)
 (ii) Decision tables (8)