Important Questions for CAD/CAM:

1. List out the various computer aided processes

2. Explain the characteristics of Bezier curve?

3. Explain about the memory devices used in NC, CNC and DNC machines?

4. What are various languages used in GT?

5. What are the different types of CMM?

6. Differentiate continuous and batch production systems?

7. Briefly explain the conventional process of the product cycle in the conventional manufacturing environment.

8. What are the designs related tasks performed by modern computer? Explain with block diagram

9. Explain 3-D scaling, rotation, reflection and translation with suitable example?

10. What is the need for concatenation of transformations? Explain what care should be taken in such cases.

11. What are the basic components of NC system and explain the function of each component?

12. Sketch and explain DNC setup.

13. Discuss the different stages of a group technology plan. Discuss the types of work that are to be conducted at each stage of the plan

14. Explain briefly the MICLASS system of codification.

15. Explain the application and advantages of integration of CAQC with CAD/CAM systems.

16. Explain in detail the scanning laser system used in computer aided quality control.

17. Explain in detail the different types of database requirements in CIM. Discuss the integration of CAD database and CMM operation.

18. Describe hardware configuration of CIM with the help of a sketch.

19. Briefly describe the types of storage devices used in computers.

20. Write a brief note on solid modelling.

21. What is the importance of G-codes in part programming? Give examples.

22. Explain the importance of CAPP in automation?

23. Differentiate contact and non-contact type CAQC systems? With examples.

24. Give the block diagram of MRP.