



R18 Regulation  
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Autonomous, Accredited by NAAC with 'A' Grade)

Subject code: 2P7CC

B.Tech VII Semester Supplementary Examinations, November 2023

**CAD/CAM**  
(Mechanical Engineering)

Maximum Marks: 70

Date:06.12.2023 Duration: 3 hours

- Note: 1. This question paper contains two parts A and B.  
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.  
3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.  
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks		(10x2M=20 Marks)	Bloom's
1	What are the input and output devices of computer.		L1
2	What is the difference between 2D&3D		L1
3	What do you mean Transformation of geometry.		L1
4	List out the 3D modeling entities.		L1
5	What is the difference between Analytic and synthetic curves ? its applications		L1
6	Define CNC? List out its Advantages.		L1
7	Name the CNC milling machine operations.		L1
8	List out the contact inspections methods.		L1
9	What is the function of Computer aided process planning.		L1
10	What is the aim of inspection.		L1

Part-B

Answer All the following questions. (5X10M=50Marks)

11	Define modeling? List out solid modeling methods? Explain any one method. [10]	L2
	OR	
12	Name the types of printers? Explain about laser printer. [10]	L2
13	Explain about transformation of geometry. [10]	L2
	OR	
14	Define CAD? Explain its applications, advantages and disadvantages. [10]	L2
15	Differentiate raster scan techniques. [10]	L2
	OR	
16	Explain the different types of cutting tools for CNC operations. [10]	L2
17	Explain the DNC operations. [10]	L2
	OR	
18	Explain about non destructive inspection methods with suitable examples. [10]	L2
19	What is the function of inspection? Explain with suitable examples. [10]	L2
	OR	
20	What are the benefits of GT? Explain the Opitz classification system. [10]	L2

