

Contents for Entrance Examination for

PG Diploma Courses offered by Computer Science

- PG Diploma in IoT & Cyber Security
- PG Diploma in AI & ML
- PG Diploma in Cloud Computing
- PG Diploma in Web Technology

There will be a common entrance for all the students willing to enter into PG Diploma courses offered by department of Computer Science, CGU, Odisha. A test will be carried on the logical, analytical skills and some domain knowledge. The questions will be of MCQ type carrying 50 marks.

- **Numerical and logical aptitude Reasoning**
- **Fundamental concepts on**
 - Data Structures & Algorithms
 - Database Management System
 - Networking
 - o Linux Commands
 - Information Security
 - o Cloud Computing
 - o Web Designing

(30 Marks)

(20 Marks)



PG DIPLOMA IN TOOL DESIGN AND CAD/CAMSYLLABUS

BASIC ENGG.	MANUFACTURING	STRENGTH OF	THEORY OF MACHINE
DRAWIN	PROCESS/WORKSHOP	MATERIAL.	
	TECHNOLOGY		
 Design. Communicating A Design. Standards. History Of Technical Drawing. Manufacturing. Engineering Drawing Format and Contents. 	TECHNOLOGY 1. Casting 2. Labelling and Painting 3. Moulding 4. Forming 5. Machining 6. Joining 7. ManualMachine (Lathe, Milling, Grinding Etc) 8. Exposure to CNC Milling / Lathe Machine 9. Additive Manufacturing 10.CAD / Cam 11. Different Basic Measuring Instruments Used in Manufacturing	1.Classification of theory of Machines 2. Mechanisms 3. Kinematic Link	1.Classification of theory of Machines 2. Mechanisms 3. Kinematic Link
	(Vernier Calliper, Micrometre Etc.)		

EXAM PATTERN

SECTIONS	TOTAL NUMBER OF QUESTIONS	TOTAL MARKS PER SECTION
BASIC ENGG. DRAWING	10	10
MANUFACTURING PROCESS	10	20
STRENGTH OF MATERIAL.	10	10
THEORY OF MACHINE	10	10
TOTAL	50 NOS	50 MARKS

PAPER PATTERN

PARTICULARS	DETAILS	
TIME DURATION	60 minutes	
TYPE OF QUESTIONS	Multiple choice questions (MCQ)	
MARKING SCHEME	1 mark for every correct answer, no negative	
PHIMAING SGILLIIL	marking for incorrect answers	



PG Diploma in Water Technology

Ecology and Environmental Fundamentals	Automation and Control Technology	Water Quality management and analysis	
 Water cycle Water management Characterization of water sample Sources of Water pollution Types of pollutants 	 Fundamentals of pumps and valves Rain Water harvesting Open loop and closed loop control technology Process control Technology Water distribution system 	 Hazardous waste management Primary treatment processes of water Secondary Treatment Process of Water Advanced treatment Processes of Water Water Conservation 	