



# GOA UNIVERSITY

REVISED

Sub. P.O. Goa University, Taleigao Plateau, Goa - 403 206

Tel: 0832-8669609034 (AR) 8669609037(Office)

Fax: 0832-2456108 E-mail: arexamprof@unigoa.ac.in

Ref No.: GU/Exam(Prof)/B.E/2023/687

Date: 25/05/2023

## Programme of the F.E. Examinations to be held in June - July, 2023

Semester - I

Revised Course: 2019-20

Time: 9.30 a.m. to 12.30 p.m.

SUBJECT	DAY & DATE	TIME	DURATION
Mathematics - I	TUESDAY 20/06/2023	9.30 a.m. to 12.30 p.m.	3 hours
Physics	SATURDAY 24/06/2023	9.30 a.m. to 12.30 p.m.	3 hours
Chemistry	TUESDAY 27/06/2023	9.30 a.m. to 12.30 p.m.	3 hours
Basic Electrical & Electronics Engineering	FRIDAY 30/06/2023	9.30 a.m. to 12.30 p.m.	3 hours
Basics of Mechanical Engineering	WEDNESDAY 05/07/2023	9.30 a.m. to 12.30 p.m.	3 hours

CONTROLLER OF EXAMINATIONS

Place: Taleigao Plateau -Goa

Date: 25/05/2023



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**Programme of the F.E. Examinations to be held in June -July, 2023.**

Semester - II

Revised Course: 2019-20

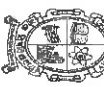
Time: 9.30 a.m. to 12.30 p.m.

SUBJECT	DAY & DATE	TIME	DURATION
Mathematics - II	WEDNESDAY 21/06/2023	9.30 a.m. to 12.30 p.m.	3 hours
Physics	SATURDAY 24/06/2023	9.30 a.m. to 12.30 p.m.	3 hours
Chemistry	TUESDAY 27/06/2023	9.30 a.m. to 12.30 p.m.	3 hours
Computer Programming	SATURDAY 01/07/2023	9.30 a.m. to 12.30 p.m.	3 hours
Introduction to Civil Engineering	THURSDAY 06/07/2023	9.30 a.m. to 12.30 p.m.	3 hours

CONTROLLER OF EXAMINATIONS

Place: Taleigao Plateau - Goa

Date: 25/05/2023



**Programme of the S.E (Civil, Mechanical, Electronics & Telecommunication, Electronics Comm. Engg, Computer, Electrical & Electronics, Information Technology and Electronics & Computer Engg.) Semester- III (Revised Course 2019-20) Examinations to be held in June - July, 2023.**

**Time: 9.30 a.m. to 12.30 p.m.**

Day & Date	S.E (Civil)	S.E. (Mechanical)	S.E. (Electronics & TC)/ Electronics & Comm. Engg)	S.E (Computer)	S.E. (Electrical & Electronics)	S.E (Information Technology)	S.E (Electronics & Computer Engg)
<b>THURSDAY 22/06/2023</b>	Mechanics of Solids	Mathematics – III	Mathematics - III	Mathematics – III	Mathematics – III	Mathematics – III	Mathematics – III
<b>MONDAY 26/06/2023</b>	Fluid Mechanics	Mechanics of Solids	Circuit Analysis and Synthesis	Logic Design	Electromagnetic Fields	Integrated Electronics	Network Analysis and Synthesis
<b>MONDAY 03/07/2023</b>	Engineering Geology	Engineering Thermodynamics	Electronic Devices and Circuits	Data Structures	Digital Electronics	Computer Networks	Electronic Devices and Circuits
<b>FRIDAY 07/07/2023</b>	Building Materials and Construction	Engineering Materials Science and Metallurgy	Digital System Design	Object Oriented Programming System	Electrical Machines – I	Data Structures and Algorithms with C++	Digital Electronics
<b>WEDNESDAY 12/07/2023</b>	Computer Aided Building Planning and Design(4 hrs) - 9.30 a.m to 01.30 p.m	Engineering Metrology and Machine Drawing	Electromagnetic Field & Wave Theory	Computer Organization	Electrical Circuit Analysis	Software Engineering	Data Structures and Algorithms using C++



**Programme of the S.E (Civil, Mechanical, Electronics & Telecommunication Electronics Comm. Engg, Computer, Electrical & Electronics , Information Technology and Electronic & Computer Engg.) Semester- IV (Revised Course 2019-20) Examinations to be held in June - July, 2023.**

**Time: 9.30 a.m. to 12.30 p.m.**

<b>Day &amp; Date</b>	<b>S.E (Civil)</b>	<b>S.E. (Mechanical)</b>	<b>S.E. (Electronics &amp; TC)/ Electronics &amp; Comm Engg)</b>	<b>S.E (Computer)</b>	<b>S.E. (Electrical &amp; Electronics)</b>	<b>S.E (Information Technology)</b>	<b>S.E (Electronic &amp; Computer Engg.)</b>
<b>MONDAY 19/06/2023</b>	Surveying & Geomatics	Energy Conversion	Signals and Systems	Discrete Mathematics	Numerical Methods	Computational Techniques	Mathematics IV
<b>FRIDAY 23/06/2023</b>	Hydraulic Engineering	Machine Design	Microprocessors and Interfacing	Microprocessors and Microcontrollers	Electrical Machines - II	Embedded Systems	Computer Organization and Architecture
<b>WEDNESDY 28/06/2023</b>	Structural Analysis	Fluid Mechanics	Linear Integrated Circuits	Formal Languages & Automata Theory	Analog Electronics	Object Oriented Programming using Java	Analog Circuits Design
<b>TUESDAY 04/07/2023</b>	Transportation Engineering	Analysis and Synthesis of Mechanisms	Transmission Lines and Antennas	Modern Algorithm Design Foundation	Fundamentals of Signal Processing	Operating System	Database Management Systems
<b>SATURDAY 08/07/2023</b>	Geotechnical Engineering	Economics for Engineers	Statistical Communication Theory	Object Oriented Software Engineering	Renewable Energy	Design and Analysis of Algorithm	Java Programming
<b>THURSDAY 13/07/2023</b>	Economics for Engineers	-----	Engineering Economics and Management	Economics for Engineers	Economics for Engineers	Management & Organizational Behaviour	Business Economics and Management
<b>MONDAY 17/07/2023</b>	1)Low Cost Construction Techniques 2) Construction, Economics, Finance & Budgeting	1)Rapid Prototyping 2) Energy Resources, Economics and Environment	Internet of Things	Mathematical Foundations for Artificial Intelligence and Machine Learning	-----	Introduction to Data Science	Introduction to Robotics



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**Programme of the T.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm. Engg. Computer, Electrical & Electronics and Information Technology) Semester- V (Revised Course 2019-20) Examinations to be held in June - July, 2023.**

**Time: 02.00 p.m. to 05.00 p.m.**

Day & Date	T.E (Civil)	T.E. (Mechanical)	T.E. (Electronics & TC)/ Electronics Comm (Engg)	T.E (Computer) Database Management & Query Processing	T.E. (Electrical & Electronics)	T.E (Information Technology)
<b>TUESDAY</b> 20/06/2023	Concrete Technology	Manufacturing Technology - II	Analogue and Digital Communication Communication Engineering (AITD)	Database Management & Query Processing	Control Systems	Database Management System
<b>SATURDAY</b> 24/06/2023	Environmental Engineering	Dynamics of Machinery	Digital Signal Processing	Operating Systems	Microprocessors and Microcontrollers	Theory of Computation
<b>FRIDAY</b> 30/06/2023	1) Pavement Design and Construction 2) Numerical Methods 3) Environmental Impact Assessment and Life cycle Analysis 4) Foundation Engineering 5) Occupational Safety and Health.	1) Advanced Thermodynamics 2) Mechanical Vibrations 3) Mechatronics 4) Management Information Systems 5) Industrial Safety and Occupational Health	1) Embedded Systems 2) Power Electronics 3) Bio- Medical Engineering 4) Soft Computing 5) Numerical Methods and Approximations 6) Solid State Devices and Technology	1) Graph Theory 2) Neural Networks 3) Object Oriented Programming using JAVA 4) Distributed Operating System	1) Digital Signal Processing 2) Illumination Engineering 3) Electrical Machines Design 4) Electric Drives	1) Cloud Computing 2) Software Testing & Quality Assurance 3) Digital Signal Processing 4) Internet of Things
<b>WEDNESDAY</b> 05/07/2023	1) Advanced Structural Analysis 2) Ground Improvement Techniques 3) Green Building 4) Rural Water Supply & Onsite Sanitation System 5) Advanced Surveying	1) Gas Dynamics & Turbo Machinery 2) Engineering Tribology 3) Advanced Machine Design 4) Micro Electro Mechanical System 5) Instrumentation & Control	1) Microwave Engineering 2) Electromagnetic Compatibility Engineering 3) Theory of Machine Learning 4) Digital Image Processing 5) Electronics Instrumentation & Automation 6) Information Theory and Coding	1) Modern Computer Graphics 2) Web Technologies 3) Testing & Quality Assurance 4) Real Time Systems	1) Testing & Maintenance of Electrical Machines 2) Analog and Digital Communication 3) Bio- Medical Instrumentation 4) Operation Research	1) Computer Graphics 2) Statistical Models for Information Science 3) Advanced Computer Architecture 4) Graph Theory
<b>MONDAY</b> 10/07/2023	<b>OPEN ELECTIVE</b>	<b>OPEN ELECTIVE</b>	<b>OPEN ELECTIVE</b>	<b>OPEN ELECTIVE</b>	<b>OPEN ELECTIVE</b>	<b>OPEN ELECTIVE</b>
<b>MONDAY</b> 17/07/2023	Entrepreneurship & IPR	Engineering Statistics	Ethics and Entrepreneurship	Cyber Law and IPR	Entrepreneurship & Intellectual Property	Ethics and Entrepreneurship

**Programme of the T.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg, Computer, Electrical & Electronics and Information Technology) Semester - VI (Revised Course 2019-20) Examinations to be held in June - July, 2023.****Time: 02.00 p.m. to 05.00 p.m.**

Day & Date	T.E (Civil)	T.E. (Mechanical)	T.E. (Electronics & Comm Engg)	T.E (Computer)	T.E. (Electrical & Electronics)	T.E (Information Technology)
<b>WEDNESDAY</b> 21/06/2023	Design of Reinforced Concrete Structures	Heat and Mass Transfer	Control System Engineering	Modern Computer Networking	Power System - I	Principles of Compilers
<b>TUESDAY</b> 27/06/2023	Design of Steel Structures	Manufacturing Technology - II	VLSI Technology and Design Digital VLSI (ATPD)	Artificial Intelligence	Power Electronics	Web Technology
<b>SATURDAY</b> 01/07/2023	1)Geosynthetics and Application 2)Finite Element Method 3)Air and Noise Pollution and Control 4)Advanced Engineering Geology 5)Remote Sensing & GIS	1)Power Plant Engineering 2)Advanced Mechanics of Solids 3)Fibre Reinforced Composites 4)Quality and Reliability 5)Applied Operations Research	1) Real Time Operating Systems 2)Radar System Engineering 3)Artificial Neural Networks 4)Nanoelectronics 5)Wireless Sensor Networks 6)Deep Learning	1)Computational Number Theory 2)Advanced Computer Organization & Architecture 3)Speech & Natural Language Processing 4)Data Mining & Data Warehousing	1)Distributed Generation and Microgrid 2)Power Quality 3)Digital Control System 4)Artificial Neural Network & Fuzzy Logic	1)Natural Language Processing 2)Artificial Intelligence and Fuzzy Logic 3)Distributed System 4)Queuing theory and modelling
<b>THURSDAY</b> 06/07/2023	1)Bridge Engineering 2)Construction Equipment & Automation 3)Structural Dynamics 4)Advanced Geotech Engg 5)Ground Water Engineering	1)Alternate Energy Sources 2)Tool Engineering 3)Fluid Power Control 4)Supply Chain Management 5)System Modelling and Simulation	1)Motor Control and Applications 2)Adaptive Signal Processing 3)Bio – medical Electronics and Instrumentation 4)Mobile Communication 5)Error Control Coding 6)Image Processing 7)ARM Architecture and Programming 8)Micro Electromechanical Systems	1)High Performance Computing 2)Information Retrieval 3)Image Processing & Vision 4)Cloud Computing & Application	1)Power System Protection 2)VLSI Circuit Design 3)Hybrid Vehicles 4)Electrical Energy Conservation & Auditing	1)Java Programming 2)Open Source s/w development 3)Computer Forensics and Cyber Security 4)E Commerce
<b>TUESDAY</b> 11/07/2023	<b>OPEN ELECTIVE</b>	<b>OPEN ELECTIVE</b>	<b>OPEN ELECTIVE</b>	<b>OPEN ELECTIVE</b>	<b>OPEN ELECTIVE</b>	<b>OPEN ELECTIVE</b>
<b>FRIDAY</b> 14/07/2023	Estimation & Costing	Technical English & Report Writing	Cyber Law and IPR	Technical Writing & Professional Ethics	Management & Organizational Behavior	Technical English & Report Writing



**Programme of the B.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm. Engg., Computer, Electrical & Electronics and Information Technology Semester- VII (Revised Course 2019-20) Examinations to be held in June - July, 2023.**

**Time: 02.00 p.m. to 05.00 p.m.**

Day & Date	B.E (Civil)	B.E. (Mechanical)	B.E. (Electronics & TC)/Electronics Comm Engg)	B.E (Computer)	B.E. (Electrical & Electronics)	B.E (Information Technology)
<b>THURSDAY 22/06/2023</b>	Construction Engineering and Management	CAD/CAM	Data Communication	Compiler Design	Power Systems - II	Image Processing
<b>MONDAY 26/06/2023</b>	1)Structural Repair and Retrofitting 2)Design of Prestressed Concrete Structures 3)Sol dynamics and Machine Foundations 4)Advanced Steel Structures 5)Biological Processes for Contaminant Removal	1)Refrigeration and Air Conditioning 2)Finite Element Method 3)Six Sigma Management 4)Advanced Optimization 5)Additive Manufacturing	1)Robotics 2)Machine Learning 3)Wavelets and Multirate Signal Processing 4)Consumer Electronics 5)Hardware Description Language	1)Embedded Systems & Design 2)Machine Learning 3)Data Analytics 4)Mobile Computing & Android Programming	1)Flexible AC Transmission System 2)Image Processing 3)Smart Grid 4)PLC & its Applications	1)Data Analytics 2)Wireless Sensor Network 3)Genetic Algorithms 4)Object Oriented Modeling using UML
<b>MONDAY 03/07/2023</b>	<b>OPEN ELECTIVE</b> 1)Biological Processes for Contaminant Removal	<b>OPEN ELECTIVE</b> 1)Refrigeration & Air conditioning 2)Additive Manufacturing 3)Six Sigma Management	<b>OPEN ELECTIVE</b> 1)Robotics 2) Machine Learning 3)Consumer Electronics	<b>OPEN ELECTIVE</b> 1)Embedded Systems & Design 2)Machine Learning 3)Data Analytics 4)Mobile Computing & Android Programming	<b>OPEN ELECTIVE</b> 1)PLC & ITS Applications	<b>OPEN ELECTIVE</b> 1)Data Analytics 2)Wireless Sensor Network 3)Genetic Algorithms 4)Object Oriented Modeling using UML





**Programme of the B.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm. Engg., Computer, Electrical & Electronics and Information Technology Semester- VIII (Revised Course 2019-20) Examinations to be held in June - July, 2023.**

**Time: 02.00 p.m. to 05.00 p.m.**

Day & Date	B.E (Civil)	B.E. (Mechanical)	B.E. (Electronics & TC)/Electronics Comm Engg)	B.E (Computer)	B.E. (Electrical & Electronics)	B.E (Information Technology)
<b>MONDAY</b> 19/06/2023	Hydrology and Water Resources Engineering	Industrial Engineering and Operations Management	Advanced Communication Engineering	Cryptography Techniques For Network Security	High Voltage Engineering	Cryptography and Network Security
<b>FRIDAY</b> 23/06/23	<ol style="list-style-type: none"> <li>1) Architectural Engineering</li> <li>2) Earthquake Engineering</li> <li>3) Structural design of Foundations</li> <li>4) Solid &amp; Hazardous Waste Management</li> <li>5) Port and Harbour Engineering</li> </ol>	<ol style="list-style-type: none"> <li>1) Energy Conservation and Management</li> <li>2) Automobile Engineering</li> <li>3) Industrial Automation and Robotics</li> <li>4) Maintenance Engineering and Management</li> <li>5) Computational Fluid Dynamics</li> </ol>	<ol style="list-style-type: none"> <li>1) Process Control Instrumentation</li> <li>2) RF Design</li> <li>3) High Performance Computer Architecture</li> <li>4) Secure Communication System</li> <li>5) Verification and Validation</li> <li>6) Computer Network Design</li> </ol>	<ol style="list-style-type: none"> <li>1) Internet of Things</li> <li>2) Pattern Recognition</li> <li>3) Multimedia Applications &amp; Software Development Framework</li> </ol>	<ol style="list-style-type: none"> <li>1) Embedded Systems</li> <li>2) Power System Operation &amp; Control</li> <li>3) Reliability of electrical System</li> <li>4) PV &amp; Its Applications</li> </ol>	<ol style="list-style-type: none"> <li>1) Computer Vision</li> <li>2) Mobile Computing</li> <li>3) Advanced Data Structures</li> <li>4) Social Networking</li> </ol>



CONTROLLER OF EXAMINATIONS

Place: Taleigao Plateau - Goa