Ref No.: GU/Exam(Prof)/B.E/2024/0017   Date: 12/04/2024

Programme of the F.E. Examinations to be held in May – June 2024.

Semester - I   **Revised Course: 2019-20**   **Time: 09.30 a.m. to 12.30 p.m.**

Subject	Day	Date	Time	Duration
Mathematics-I	Friday	24/05/2024	09.30 a.m. to 12.30 p.m.	03 hours
Physics	Thursday	30/05/2024	09.30 a.m. to 12.30 p.m.	03 hours
Chemistry	Tuesday	04/06/2024	09.30 a.m. to 12.30 p.m.	03 hours
Basic Electrical & Electronics Engineering	Friday	07/06/2024	09.30 a.m. to 12.30 p.m.	03 hours
Basics of Mechanical Engineering	Thursday	13/06/2024	09.30 a.m. to 12.30 p.m.	03 hours

Controller of Examinations

Place: Taleigao Plateau, Goa.
Date: 12.04.2024

GOA UNIVERSITY

Sub. P.O. Goa University, TaleigaoPlateau, 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/2024/0017

Date: 12/04/2024

Programme of the F.E. Examinations to be held in May – June 2024.

Semester - II   **Revised Course: 2019-20**   **Time: 09.30 a.m. to 12.30 p.m.**

Subject	Day	Date	Time	Duration
Mathematics-II	Saturday	25/05/2024	09.30 a.m. to 12.30 p.m.	03 hours
Physics	Thursday	30/05/2024	09.30 a.m. to 12.30 p.m.	03 hours
Chemistry	Tuesday	04/06/2024	09.30 a.m. to 12.30 p.m.	03 hours
Computer Programming	Monday	10/06/2024	09.30 a.m. to 12.30 p.m.	03 hours
Introduction to Civil Engineering	Friday	14/06/2024	09.30 a.m. to 12.30 p.m.	03 hours

Controller of Examinations

Place: Taleigao Plateau, Goa.
Date: 12.04.2024

GOA UNIVERSITY

Ref No.: GU/Exam(Prof)/B.E/2024/0017

Date: 12/04/2024

Programme of the S.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm. Engg, Computer, Electrical & Electronics, Information Technology, Electronics & Computer Engg. and VSLI Design & Technology) Semester- III (Revised Course 2019 - 20) Examinations to be held in May – June 2024.

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

Day & Date	S.E. (Civil)	S.E. (Mechanical)	S.E. (Electronics & TC) (Electronics &Commn. Engg)	S.E. (Computer)	S.E. (Electrical & Electronics)	S.E. (Information Technology)	S.E. (Electronics & Computer Engg) E.Comp.	S.E (Electronics & Computer Science) ECS	SE VSLI Design & Technology
Wednesday 22/05/2024	Mechanics of Solids	Mathematics – III	Mathematics – III	Mathematics – III	Mathematics - III	Mathematics - III	Mathematics - III	Essential Mathematics for Engineers	Applied Mathematics III
Monday 27/05/2024	Fluid Mechanics	Mechanics of Solids	Circuit Analysis and Synthesis	Logic Design	Electromagnetic Fields	Integrated Electronics	Network Analysis and Synthesis	Electrical Circuits and Systems	Semi conductor physics
Friday 31/05/2024	Engineering Geology	Engineering Thermodynamics	Electronic Devices and Circuits	Data Structures	Digital Electronics	Computer Networks	Electronic Devices and Circuits	Electronic Devices and Circuits	Electronics Devices & circuits

Wednesday 05/06/2024	Building Materials and Constructions	Engineering Materials Science and Metallurgy	Digital System Design	Object Oriented Programming System	Electrical Machines - I	Data Structures and Algorithms with C++	Digital Electronics	Digital Electronics	Digital Logic Design
Tuesday 11/06/2024	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++	Data Structures and Algorithms using C++	Circuit Analysis and Synthesis

Controller of Examinations

Place: Taleigao Plateau, Goa.
Date: 12.04.2024

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Ref No.: GU/Exam(Prof)/B.E/2024/0017

Date: 12/04/2024

Programme of the S.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm. Engg, Computer, Electrical & Electronics, Information Technology and Electronics & Computer Engg., Electronics & Computer Science, VLSI Design & Technology)

Semester- IV (Revised Course 2019 - 20) Examinations to be held in May - June 2024

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) (E. Comp.)	S.E (Electronics & Computer Science) (ECS)	S.E (VLSI Design & Technology)
Thursday 23/05/2024	Surveying & Geomatics	Energy Conversion	Signals & Systems	Discrete Mathematics	Numerical Methods	Computational Techniques	Mathematics - IV	Signal Processing Fundamentals	Digital Signal Processing
Tuesday 28/05/2024	Hydraulic Engineering	Machine Design	Microprocessors and Interfacing	Microprocessors and Microcontrollers	Electrical Machines - II	Embedded Systems	Computer Organization and Architecture	Computer Organization & Operating Systems	Electromagnetics
Saturday 01/06/2024	Structural Analysis	Fluid Mechanics	Linear Integrated Circuits	Formal Languages and Automata Theory	Analog Electronics	Object Oriented Programming using Java	Analog Circuits Design	Analog Electronics & Instruments	Microprocessors and Peripherals
Thursday 06/06/2024	Transportation Engineering	Analysis and Synthesis of Mechanisms	Transmission Lines and Antennas	Modern Algorithms Design Foundation	Fundamentals of Signal Processing	Operating System	Data Base Management Systems	Microprocessors & Microcontrollers	VLSI Technology and IC Fabrication
Wednesday 12/06/2024	Geotechnical Engineering	Economics for Engineers	Statistical Communication Theory	Object Oriented Software Engineering	Renewable Energy	Design and Analysis of Algorithm	Java Programming	Java Programming	Linear Integrated Circuits

Day / Date									
Tuesday 18/06/2024	Economics for Engineering	----	Engineering Economics and Management	Economics for Engineers	Economics for Engineers	Management and Organizational Behaviour	Business Economics and Management	Business Economics and Management	Engineering Economics and Management
Thursday 20/06/2024	**HONORS/MINOR DEGREE** 1.Low Cost Construction Techniques 2.Construction Economics Finance & Budgeting	**HONORS/MINOR DEGREE** 1. Rapid Prototyping. 2. Energy Resources Economics and Environment	**HONORS/MINOR DEGREE** 1.Internet of Things	**MINOR DEGREE** 1. Mathematical Foundations for Artificial Intelligence and Machine Learning	**MINOR DEGREE** 1.Principles of Electrical Vehicles	**MINOR DEGREE** 1.Introduction to Data Science	**MINOR DEGREE** 1. Introduction to Robotics	**MINOR DEGREE** 1. Introduction to Robotics	

Controller of Examinations

Place: Taleigao Plateau, Goa.
Date: 12.04.2024

Ref No.: GU/Exam(Prof)/B.E/2023/0017

Date: 12/04/2024

Programme of the T.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm. Engg, Computer, Electrical & Electronics, Information Technology and E.Comp.) Semester- V (Revised Course 2019 - 20) Examinations to be held in May - June 2024.

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)	T.E. (Electrical & Electronics)	T.E. (Information Technology)	T.E. (Electronics & Computer Engineering) E.Comp
Monday 20/05/2024	Concrete Technology	Manufacturing Technology - I	Analog and Digital Communication / Communication Engineering (AITD)	Database Management and Query Processing	Control Systems	Database Management System	Microcontrollers and Interfacing
Friday 24/05/2024	Environmental Engineering	Dynamics of Machinery	Data Signal Processing	Operating Systems	Microprocessors and Microcontroller	Theory of Computation	Operating System
Wednesday 29/05/2024	1. Pavement Design and Construction 2. Numerical Methods 3. Environmental Impact Assessment and Life Cycle Analysis 4. Foundation Engineering 5. Occupational Health and safety	1. Advanced Thermodynamics 2. Mechanical Vibrations 3. Mechatronics 4. Management Information System 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 Systems	1. Digital Signal Processing 2. Illumination Engineering 3. Electrical Machines Design 4. Electric Drives	1. Cloud Computing 2. Software Testing and Quality Assurance 3. Digital Signal Processing 4. Internet of Things	1. Software Engineering 2. Soft Computing 3. Design and Analysis of Algorithms

Monday 03/06/2024	**1.** Advanced Structural Analysis **2.** Ground Improvement Techniques **3.** Green Building **4.** Rural Water Supply and Onsite Sanitation System **5.** Advanced Surveying	**1.** Gas Dynamics & Turbo Machinery **2.** Engineering Tribology **3.** Advance 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 and Automation **6.** Information Theory & Coding	**1.** Modern Computer Graphics **2.** Web Technologies **3.** Testing and 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	**1.** Power Electronics **2.** Principles of communication Engineering
Friday 07/06/2024	**OPEN ELECTIVE** **1.** Green Building **2.** Occupational Health & safety **3.** Numerical Methods	**OPEN ELECTIVE** **1.** Instrumentation and Control **2.** Mechatronics (OE) **3.** Industrial Safety and Occupational Health	**OPEN ELECTIVE** **1.** Soft Computing **2.** Bio-Medical Engineering **3.** Electronic Instrumentation and Automation **4.** Information Theory Coding	**OPEN ELECTIVE** **1.** Neural Network **2.** Object Oriented Programming using JAVA **3.** Distributed Operating System **4.** Modern Computer Graphics **5.** Web Technologies **6.** Testing and Quality Assurance **7.** Real Time & Systems	**OPEN ELECTIVE** Illumination Engineering	**OPEN ELECTIVE** **1.** Cloud Computing **2.** Software Testing and Quality Assurance **3.** Internet of Things **4.** Computer Graphics **5.** Statistical Models for Information Science **6.** Graph Theory **7.** Digital Signal Processing **8.** Advanced Computer Architecture	**OPEN ELECTIVE** **1.** Soft Computing
Thursday 13/06/2024	Entrepreneurship and IPR	Engineering Statistics	Ethics and Entrepreneurship	Cyber Law & IPR	Entrepreneurship and Intellectual Property	Ethics and Entrepreneurship	Ethics and Entrepreneurship

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	HONORS/MINOR DEGREE	HONORS/MINOR DEGREE	HONORS/MINOR DEGREE	HONORS/MINOR DEGREE	MINOR DEGREE	HONORS/MINOR DEGREE	HONORS/MINOR DEGREE
Wednesday 19/06/2024	1. HVAC & Plumbing 2.Construction Contracts & Specifications	1. Introduction to Renewable Energy Technologies 2. Industry 4.0 and Industrial Internet of Things	Introduction to Security of Cyber-Physical Systems	Introduction to Artificial Intelligence & Machine Learning	Battery Management System	Basics of AI and ML	Fundamentals of Artificial Intelligence

Controller of Examinations

Place: Taleigao Plateau, Goa.
Date: 12.04.2024

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Ref No.: GU/Exam(Prof)/B.E/2024/0017   Date: 12/04/2024

Programme of the T.E (Civil, Mechanical, Electronics & Telecommunication\Electronics Comm. Engg, Computer, Electrical & Electronics, and Information Technology, Electronics and Computer Engg.)
Semester- VI (Revised Course 2019 - 20) Examinations to be held in May – June 2024

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

Day & Date	T.E. (Civil)	T.E. (Mechanical)	T.E. (Electronics & TC) (Electronics & Commn. Engg)	T.E. (Computer)	T.E.. (Electrical & Electronics)	T.E. (Information Technology)	T.E. (Electronics and Computer Engg.)
Tuesday **21/05/2024**	Design of Reinforced Concrete Structures	Heat and Mass Transfer	Control System Engineering	Modern Computer Networking	Power System - I	Principles of Compilers	Fundamentals of VLSI Design
Saturday **25/05/2024**	Design of Steel Structures	Manufacturing Technology-II	VLSI Technology and Design Digital VLSI **(AITD)**	Artificial Intelligence	Power Electronics	Web Technology	Computer Networks
Thursday **30/05/2024**	1.Geo-synthetics and Application 2.Finite Element Method 3.Air and Noise Pollution and Control 4.Advanced Engineering Geology 5. Remote Sensing and 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. Nano Electronics 5. Wireless Sensor Networks 6. Deep Learning	1. Computational Number Theory 2. Advanced Computer Organization and Architecture 3. Speech and Natural language Processing 4. Data Mining and Data Warehousing	1. Distributed Generation and Microgrid 2.Power Quality 3.Digital Control System 4. Artificial Neural Network and Fuzzy Logic	1. Natural Language Processing 2. Artificial Intelligence and Fuzzy Logic 3. Distributed System 4. Queuing Theory and Modeling	1. Artificial Intelligence 2. Augmented Reality and Virtual Reality 3. Mobile Phone Programming 4. Software Testing and Quality Assurance 5. Introduction to Formal Languages and Automata

Tuesday 04/06/2024	Monday 10/06/2024

Day / Date							
Tuesday **04/06/2024**	1. Bridge Engineering 2. Construction Equipment and Automation 3.Structural Dynamics 4.Advanced Geotech Engineering 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 Application 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 Electro-Mechanical 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 and Auditing	1. Java programming 2.Open Source Software Development 3.Computer Forensics & Cyber Security 4.E-Commerce	1. Digital Image Processing 2. Information Theory and Coding 3. Advanced Microcontroller 4. Mobile Communication 5. Robotics
Monday **10/06/2024**	**OPEN ELECTIVE** 1. Air & Noise Pollution 2. Ground Water Engineering	**OPEN ELECTIVE** 1.Supply Chain Management 2.Alternate Energy Sources	**OPEN ELECTIVE** 1.Artificial Neural Network 2.Biomedical Electronics and Instrumentation 3.Motor Control and its Applications 4. Wireless Sensor Network 5. Micro Electro Mechanical System	**OPEN ELECTIVE** 1.Data Mining and Data Warehousing 2.Image Processing & Vision 3.Cloud Computing and its Application	**OPEN ELECTIVE** 1. Electrical Energy Conservation 2. Hybrid Vehicles	**OPEN ELECTIVE** 1.Artificial Intelligence and Fuzzy Logic 2.Java Programming 3.Open Source Software Development 4.Computer Forensic & Cyber Security 5. E-Commerce	**Open Elective**

Friday 14/06/2024	Estimation and Costing	Technical English and Report Writing	Cyber Law and IPR	Technical Writing and Professional Ethics	Management and Organizational Behavior	Technical English and Report Writing	Cyber Law & IPR
Thursday 20/06/2024	**HONORS/MINOR DEGREE** 1. Corporate Law and Arbitration 2. Formwork Design	**HONORS/MINOR DEGREE** **1.** PLC and SCADA	**HONORS/MINOR DEGREE** **1.**Ubiquitous Sensing, Computing and communication	**MINOR DEGREE** **1.** Data Science and Analytics	**MINOR DEGREE** **1.**Electrical Vehicle Drives & Control	**MINOR DEGREE** **1.** Introduction to Data Science **2.** Computational Data Analytics	**MINOR DEGREE** **1.** Robot Programming

Controller of Examinations

Place: Taleigao Plateau, Goa.
Date: 12.04.2024

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Tel: 0832- 8669609034 (AR) 8669609037(Office)Fax: 0832-2456108 E-mail: arexamprof@unigoa.ac.in

Ref No.: GU/Exam(Prof)/B.E/2024/*0017* Date: 12/04/2024

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 May – June 2024

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)
Monday 27/05/2024	Construction Engineering and Management	CAD/CAM	Data Communication	Compiler Design	Power System - II	Image Processing
Friday 31/05/2024	1. Structural Repair and Retrofitting 2.Designs of Prestresed Concrete Structures 3. Soil Dynamics and Machine Foundations 4. Advance 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 6. Internet of things	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 and its Applications	1. Data Analytics 2. Wireless Sensor Network 3. Genetic Algorithms 4. Object Oriented Modeling using UML

Wednesday 05/06/2024	**OPEN ELECTIVE** Biological Processes for Contaminant Removal	**OPEN ELECTIVE** 1. Refrigeration and Air-Conditioning 2. Additive Manufacturing 3. Six Sigma Management	**OPEN ELECTIVE** 1. Robotics 2. Machine Learning 3. Consumer Electronics	**OPEN ELECTIVE** 1. Embedded Systems & Design 2. Machine Learning 3. Data Analytics 4. Mobile Computing & Android Programming	**OPEN ELECTIVE** 1. PLC and its Applications	**OPEN ELECTIVE** 1. Data Analytics 2. Wireless Sensor Network 3. Genetic Algorithms 4. Object Oriented Modeling using UML

Controller of Examinations

Place: Taleigao Plateau, Goa.
Date: 12.04.2024

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Ref No.: GU/Exam(Prof)/B.E/2024/0017   Date: 12/04/2024

**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 May - June 2024.**

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

Day & Date	B.E. (Civil)	B.E. (Mechanical)	B.E. (Electronics & TC)/ (Electronics & Commnn. Engg)	B.E. (Computer)	B.E. (Electrical & Electronics)	B.E. (Information Technology)
Tuesday **28/05/2024**	Hydrology and Water Resource Engineering	Industrial Engineering and Operations Management	Advanced Communication Engineering	Cryptography Techniques for Network Security	High Voltage Engineering	Cryptography and Network Security
Thursday **06/06/2024**	1.Architectural Engineering 2. Earthquake Engineering 3. Structural Design of Foundation 4.Solid and Hazardous Waste Management 5. Port and Harbour Engineering	1.Energy Conservation and Management 2.Automobile Engineering 3. Industrial Automation and Robotics 4. Maintenance Engineering & Management 5. Computational Fluid Dynamics	1. Process Control Instrumentation 2. RF Design 3. High Performance Computer Architecture 4. Secure Communication 5. System Verification & Validation 6. Computer Network Design	1. Internet of Things 2. Pattern Recognition 3. Multimedia Systems and Applications 4. Software Development Framework	1.Embedded Systems 2. Power System Operation and Control 3. Reliability of Electrical System 4. PV & its Applications	1. Computer Vision 2. Mobile Computing 3. Advanced Data Structures 4. Social Networking

Controller of Examinations

Place: Taleigao Plateau, Goa.
Date: 12.04.2024