



# GOA UNIVERSITY

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/2021/

Date: 13 /12/2021

**Programme of the F.E. Semester-I (Revised Course 2016-2017) Examinations to be held in January/February, 2022.**

SUBJECT	DAY & DATE	TIME	DURATION
Engineering Mathematics - I	MONDAY 17/01/2022	9.30 a.m. to 12.30 p.m.	3 hours
Applied Science (Physics)	FRIDAY 21/01/2022	9.30 a.m. to 12.30 p.m.	3 hours
Applied Science (Chemistry)	TUESDAY 25/01/2022	9.30 a.m. to 12.30 p.m.	3 hours
Engineering Mechanics	SATURDAY 29/01/2022	9.30 a.m. to 12.30 p.m.	3 hours
Fundamentals of Electrical Engineering	THURSDAY 03/02/2022	9.30 a.m. to 12.30 p.m.	3 hours
Fundamentals of Computer Engineering	TUESDAY 08/02/2022	9.30 a.m. to 12.30 p.m.	3 hours
Technical English	SATURDAY 12/02/2022	9.30 a.m. to 12.30 p.m.	3 hours

**Programme of the F.E. Semester-II (Revised Course 2016-2017) Examinations to be held in January/February, 2022.**

SUBJECT	DAY & DATE	TIME	DURATION
Engineering Mathematics-II	TUESDAY 18/01/2022	9.30 a.m. to 12.30 p.m.	3 hours
Applied Science (Physics)	FRIDAY 21/01/2022	9.30 a.m. to 12.30 p.m.	3 hours
Applied Science (Chemistry)	TUESDAY 25/01/2022	9.30 a.m. to 12.30 p.m.	3 hours
Programming Languages	MONDAY 31/01/2022	9.30 a.m. to 12.30 p.m.	3 hours
Fundamentals of Electronics and Telecommunication Engineering	FRIDAY 04/02/2022	9.30 a.m. to 12.30 p.m.	3 hours
Environmental Sciences and Social Sciences	WEDNESDAY 09/02/2022	9.30 a.m. to 12.30 p.m.	3 hours
Engineering Graphics	MONDAY 14/02/2022	9.30 a.m. to 12.30 p.m.	3 hours



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Date: 12 / 12 / 2

Ref No.: GU / Exam(Prof) / B.E / 2021 /

**Programme of the S.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg, Computer, Electrical & Electron Information Technology and Mining) Semester- III (Revised Course 2016-17) Examinations to be held in January/February, 2022.**

**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. (Mining)
WEDNESDAY 19/01/2021	Concrete Technology	Applied Thermodynamics - I	Applied Mathematics -III	Applied Mathematics -III	Applied Mathematics - III	Applied Mathematics - III	Engineering Mathematics
SATURDAY 22/01/2022	Mechanics of Materials	Machine Drawing 4hrs-(9.30am to 1.30 pm)	Economics and Management	Data Structures and Algorithms- I	Electronic Devices and Circuit	Numerical Methods	Electrical & Digital Electronics
THURSDAY 27/01/2022	Fluid Mechanics - I	Fluid Mechanics	Algorithms for Data Structures	Economics and Organizational Behaviour	Electrical Machines -I	Signals and Systems	Mechanics Solids
TUESDAY 01/02/2022	Building Materials and Construction	Engineering Materials Science and Metallurgy	Electronic Devices and Circuits - I	Object Oriented Programming using C++	Electrical Measurements and Measuring Instruments	Analog and Digital Circuits	Elements of Mining Engineering
SATURDAY 05/02/2022	Engineering Mathematics - III	Electrical Technology	Digital System Design	Logic Design	Economics and Management	Data Structures	Machine Drawing & 4hrs-(9.30 1.30 pm)
THURSDAY 10/02/2022	Managerial Economics	Engineering Mathematics and Numerical Techniques	Electrical Circuits and Systems	Software Engineering	Analog and Digital Communications	Object Oriented Programming System	Mining Geo

Place: Taleigao Plateau-Goa

13 / 12 / 2021

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Tel: 0832-8669609034 (AR) 8669609037(Office) Fax: 0832-2451184 E-mail: arexampprof@unigoa.ac.in

Ref No.: GU/Exam(Prof)/B/E/2021/

Date: 13 / 12 / 22

**Programme of the S.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg, Computer, Electrical & Electron Information Technology and Mining) Semester- IV (Revised Course 2016-17) Examination to be held in January/February, 2022.**

**Time: 02.00 p.m. to 05.00 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. ( Mining)
<b>THURSDAY</b> 20/01/2022	Surveying - I	Mechanics of Solids	Probability Theory and Random Processes	Discrete Mathematics	Numerical Techniques and Probability	Discrete Mathematical Structures	Mine Development
<b>MONDAY</b> 24/01/2022	Fluid Mechanics - II	Analysis and Synthesis of Mechanisms	Signals and Systems	Computer Organization	Electrical Machines - II	Entrepreneurship Development	Fluid Mechan & Machinery
<b>FRIDAY</b> 28/01/2022	Building Drawing - I 2.00 P.M to 6.00 P.M. (4 hrs)	Manufacturing Technology - I	Electromagnetic Fields and waves	Microprocessors and Interfacing	Linear Integrated Circuits	Computer Organization and Architecture	Mining Geolog II
<b>WEDNESDAY</b> 02/02/2022	Structural Analysis - I	Digital Electronics and Microcontroller Applications	Electronic Devices and Circuits - II	Data Structures and Algorithms - II	Digital Integrated Circuits	Software Engineering	Surveying - I
<b>MONDAY</b> 07/02/2022	Numerical Techniques in Computer Programming	Applied Thermodynamics - II	Linear Integrated Circuits	Signals and Systems	Electrical circuit Analysis and Synthesis	Design and Analysis of Algorithms	Rock Mechanic & Ground Control - I
<b>FRIDAY</b> 11/02/2022	Engineering Geology	Business Economics and Management	Microprocessors and Interfacing	Java Programming	Electrical Power	Microprocessors and Interfacing	Numerical Techniques & Statistics

Place: Taleigao Plateau-Goa  
13 / 12 / 2021.

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

Date: 3 / 12 / 2021

**Programme of the T.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg, Computer, Electrical & Electrical Information Technology and Mining) Semester - V (Revised Course 2016-17) Examinations to be held in January/February, 2022.**

**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. ( Mining
<b>MONDAY</b> 17/01/2022	Structural Analysis-II	Engineering Statistics	Digital Signal Processing	Data Communication	Electromagnetic Theory	Introduction to Data Communication	Surveying -
<b>FRIDAY</b> 21/01/2022	Design of Concrete Structures - I	Machine Design-I	Transmission Lines & Antennas	Automata Languages and Computation	Microprocessors & Interfacing	Java Programming	Rock Mech & Ground Control - I
<b>SATURDAY</b> 29/01/2022	Design of Steel Structures-I	Energy Conversion	Control Systems Engineering	Cryptography & Coding Theory	Power Electronics	Statistical Models for information Science	Mining Machinery -
<b>THURSDAY</b> 03/02/2022	Geotechnical Engineering-I	Manufacturing Technology-II	Embedded Systems	VLSI Hardware Descriptive Language	Control Engineering	Intelligent Agents	Mine Management Legislation
<b>TUESDAY</b> 08/02/2022	Transportation Engineering-I	Dynamics of Machinery	VLSI Design & Technology	Database Management System.	Renewable Energy	Operating Systems	Surface Min
<b>SATURDAY</b> 12/02/2022	Building Drawing-II 4hrs-(02.00 p.m to 06.00 pm)	Engineering Measurements & Metrology	Analog Communication	Operating Systems	Electrical Machines- III	Database Management Systems	Undergroun Coal Mining

Place: Taleigao Plateau-Goa  
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No.: GU/Exam(Prof)/B.E./2021/

Date: 13/12/2021

**Programme of the T.E (Civil, Mechanical, Electrical & Telecommunication/Electronics Comm Engg, Computer, Electrical & Electronic Information Technology and Mining) Semester- VI (Revised Course 2016-17) Examination to be held in January/February, 2022.**

**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. (Mining)
TUESDAY 18/01/2022	Design of Concrete Structures- II	Quality and Reliability	Electronic System Design and Manufacturing	Software Testing & Quality Assurance	Power System Analysis	Data Mining	Mining Machinery -II
TUESDAY 25/01/2022	Design of Steel Structures- II	Machine Design -II	High Performance Computing Architectures	Design and Analysis of Algorithms	Embedded Systems	Theory of Computation	Mine Environment
MONDAY 31/01/2022	Geotechnical Engineering -II	Gas Dynamics & Turbomachinaries	Digital Communication Digital Communication & Coding (AITD)	Artificial Intelligence	Electrical Drives & Control	Computer Networks	Mineral Processing
FRIDAY 04/02/2022	Transportation Engineering - II	Mechanical Vibrations	Industrial Automation and Instrumentation	Computer Graphics	Electrical Machine Design	Computer Graphics	Underground Metal Mining
WEDNESDAY 09/02/2022	Environmental Engineering - I	Mechatronics	Operating Systems	Embedded System Design	Electronic Measurements and Virtual Instrumentation	Web Technology	Mine Econom & Valuation
MONDAY 14/02/2022	Surveying - II	Automobile Engineering	Communication Networks	Computer Networks	Digital Signal Processing	Software Testing & Quality Assurance	Mine Surveyi

Signature: Taleigao Plateau-Goa  
Date: 12/12/2021.

Signature: *[Signature]*  
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No.: GU/Exam(Prof)/B.E/2021/

Date: 13/12/

**Programme of the B.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg, Computer, Electrical & Elect Information Technology and Mining) Semester- VII (Revised 2016-17 Course) Examinations to be held in January/February, 2022.**

**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)	BE (Information Technology)	B.E. (M
<b>WEDNESDAY</b> 19/01/2022	Design of Concrete Structures - III	Heat and Mass Transfer	Microwave Engineering	Compiler Construction	Switchgear and Protection	Image Processing	Mine Environ
<b>SATURDAY</b> 22/01/2022	Environmental Engineering - II	Industrial Engineering and Operations Management	Introduction to Soft Computing	Data Mining	Advanced Drives and Control	Principles of Compilers	Mine Disaster Management
<b>THURSDAY</b> 27/01/2022	Estimation, Costing and Valuation	CAD and FEA	Mobile Communication	Image Processing	VLSI Circuit Design	Mobile Computing	Mine Safety & Legislation
<b>TUESDAY</b> 01/02/2022	<b>Elective-I</b> (1) Environmental Pollution and Control (2) Finite Element Method (3) Occupational Safety and Health Acts (4) Advances in Concrete Technology (5) Reinforced Earth Structures	<b>Elective-I</b> (1) Advance Mechanics of Solids (2) Advanced Analysis and Synthesis of Mechanism (3) Vibration and Noise Control (4) Alternate Energy Sources (5) Power Plant Engineering (6) Design of Heat Exchangers (7) Modern Manufacturing Practices (8) Tool Engineering	<b>Elective-I</b> (1) Digital VLSI (2) Image Processing (3) Technical Writing and Professional Ethics (4) Introduction to Robotics (5) Introduction to GPU Computing (6) Computer Networks (7) Introduction to Device Drivers (8) Virtual Instrumentation (9) Wavelets & Multivariate DSP (10) Electronic Material Science (11) Microwave Networks and Applications (12) Distributed Operating Systems (13) Introduction to Java	<b>Elective-I</b> (1) VLSI Design (2) Data Compression (3) Fuzzy Logic & Neural Networks (4) Web Technologies (5) Cloud Computing	<b>Elective-I</b> (1) Power System Planning and Reliability (2) HVDC Transmission (3) Smart Grid (4) Operations Research (5) Electrical Design Estimation and Costing	<b>Elective-I</b> (1) Embedded System Design (2) Genetic Algorithms (3) Bio Informatics (4) Electronic Commerce	<b>Elective-I</b> (1) Rock Fragmentation Engineering (2) Undergor Technology (3) Petroleum Engineering (4) Coal Bed,
<b>SATURDAY</b> 05/02/2022	<b>Elective-II</b> (1) Applied Engineering Geology (2) Disaster Management (3) Traffic Engineering (4) Structural Dynamics (5) Structural Design of Foundations	<b>Elective-II</b> (1) Six Sigma Management (2) Management Information System (3) System Modelling and Simulation (4) Applied Operations Research (5) Industrial Safety and Environment (6) Industrial Automation and Process Control (7) Micro Electro Mechanical Systems (8) Competitive Manufacturing Management	<b>Elective-II</b> (1) Analog VLSI (2) Adaptive Signal Processing (3) Numerical Methods and Approximation (4) Advanced Control Systems (5) Introduction to MEMS (6) Process Control Instrumentation (7) Secure Communications (8) Introduction to ARM Architecture (9) Electronic Circuits: Design, Simulation and Testing (10) Artificial Neural Network (11) Introduction to RF Design (12) Introduction to Databases (13) Power Electronics	<b>Elective-II</b> (1) Big Data Analytics (2) Geographical Information Systems (3) Design Pattern & Framework (4) Project Management and Quality Assurance (5) Entrepreneurship Development	<b>Elective-II</b> (1) Fuzzy Logic and Neural Networks (2) Data Communication & Networking (3) Image Processing (4) Statistics and Probability (5) Advanced Controllers	<b>Elective-II</b> (1) Geographical Information System (2) Computer Forensic (3) Digital Signal Processing (4) IT Business Methodology	<b>Elective-II</b> (1) Bulk Man Handling (2) Optimist Technique in Mineral Indus (3) Computer Applications i (4) Advanced Mining

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*Shreyas*

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Date: 13/12

**Programme of the B.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg. Computer, Electrical & Elec Information Technology and Mining) Semester- VIII (Revised 2016-17 Course) Examinations to be held in January/February, 2021**

**Time: 09.30 a.m. to 12.30 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.E. (Mining)
<b>THURSDAY</b> 20/01/2022	Irrigation and Water Resources Engineering	Computer Integrated Manufacturing Systems	Information Theory and Coding Introduction to Java (AITTD)	Distributed Operating Systems	Flexible AC Transmission System	Distributed System	Mine Planning Design
<b>MONDAY</b> 24/01/2022	Construction Machinery and Project Management	Refrigeration and Air-Conditioning	Advanced Communication	Network Security	PLC and its Applications	Computer Cryptography and Network Security	Mine Environment Management
<b>FRIDAY</b> 28/01/2022	<b>Elective-III</b> (1) Industrial and Municipal Waste Management (2) Advanced Structural Analysis (3) Ground Improvement Techniques (4) Design of Earthquake Resistant Structures (5) Advanced Materials and Construction Techniques	<b>Elective-III</b> (1) Finite Element Method in Engineering (2) Tribology (3) Product Design and Development (4) Cryogenics (5) Energy Audit and Management (6) Computational Fluid Dynamics (7) Nanotechnology (8) Fibre Reinforced Composites	<b>Elective-III</b> (1) Testing and Fault Tolerance (2) E-Commerce (3) Speech Processing (4) Entrepreneurship (5) Mobile Robotics (6) Advanced Computer Networks (7) Motors and Drives (8) Wireless Communication (9) Audio and Video Engineering (10) Mobile Computing (11) Nanoelectronics (12) Biomedical Electronics and Instrumentation (13) Introduction to Artificial Intelligence (14) Error Control Coding	<b>Elective-III</b> (1) Operation Research (2) Multimedia Systems (3) Bio Informatics (4) Storage Area Networks (5) Web Services	<b>Elective-III</b> (1) Illumination Engineering (2) Energy Auditing (3) Micro Grid and Distributed Generation (4) Power System Operation and Control (5) Power Quality (6) High Voltage Engineering	<b>Elective-III</b> (1) Web Services (2) Natural Language Processing (3) Fuzzy Logic and Neural Networks (4) Advanced Data Structures and Algorithms	<b>Elective-III</b> (1) Rock Slope Engineering (2) Geostatistic (3) Small Seal and Ocean Mining (4) Geodetic Surveying
<b>WEDNESDAY</b> 02/02/2022	<b>Elective-IV</b> (1) Advanced Pre-stressed Concrete (2) Green Building Design (3) Repairs and Rehabilitations of Structures (4) Pavement Design (5) Design of Reinforced Concrete Bridges	<b>Elective-IV</b> (1) Supply Chain Management (2) Corporate Finance (3) Entrepreneurship Development (4) Advanced Optimization (5) Maintenance Engineering and Management (6) Fluid Power Control (7) Industrial Robotics (8) Control System Engineering	<b>Elective-IV</b> (1) System on Chip (2) Mobile Phone Programming (3) Wavelets and Multirate Digital Signal Processing (4) Advanced Mobile Networks (5) Underwater Robotics (6) Radar System Engineering (7) Optical Networking (8) Wireless Sensor Networks (9) Consumer Electronics (10) Electromagnetic Interference/Electromagnetic Compatibility (11) Introduction to Deep Neural Networks (12) Medical Imaging (13) Statistical Theory of Communication	<b>Elective-IV</b> (1) Genetic Algorithms (2) Real Time Systems (3) Mobile Computing (4) Machine Learning (5) Digital Signal Processing	<b>Elective-IV</b> (1) Digital System Design using HDL (2) Biomedical Instrumentation (3) Wireless Sensor Network (4) Advanced Control Systems (5) Switched Mode Power Converters (6) Entrepreneurship Development	<b>Elective-IV</b> (1) VLSI Design (2) Cloud Computing (3) Advanced Computer Architecture (5) Storage Area Networks	<b>Elective-IV</b> (1) Entrepreneur Development (2) Exploration (3) Computer Programming (C++ (4) Rock Excavate Engineering

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