



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/2022/169

Date: 16/06/2022

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

SUBJECT	DAY & DATE	TIME	DURATION
Engineering Mathematics - I	WEDNESDAY 20/07/2022	9.30 a.m. to 12.30 p.m.	3 hours
Applied Science (Physics)	MONDAY 25/07/2022	9.30 a.m. to 12.30 p.m.	3 hours
Applied Science (Chemistry)	TUESDAY 26/07/2022	9.30 a.m. to 12.30 p.m.	3 hours
Engineering Mechanics	FRIDAY 29/07/2022	9.30 a.m. to 12.30 p.m.	3 hours
Fundamentals of Electrical Engineering	WEDNESDAY 03/08/2022	9.30 a.m. to 12.30 p.m.	3 hours
Fundamentals of Computer Engineering	MONDAY 08/08/2022	9.30 a.m. to 12.30 p.m.	3 hours
Technical English	FRIDAY 12/08/2022	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 July/August, 2022.

SUBJECT	DAY & DATE	TIME	DURATION
Engineering Mathematics-II	THURSDAY 21/07/2022	9.30 a.m. to 12.30 p.m.	3 hours
Applied Science (Physics)	MONDAY 25/07/2022	9.30 a.m. to 12.30 p.m.	3 hours
Applied Science (Chemistry)	TUESDAY 26/07/2022	9.30 a.m. to 12.30 p.m.	3 hours
Programming Languages	SATURDAY 30/07/2022	9.30 a.m. to 12.30 p.m.	3 hours
Fundamentals of Electronics and Telecommunication Engineering	THURSDAY 04/08/2022	9.30 a.m. to 12.30 p.m.	3 hours
Environmental Sciences and Social Sciences	TUESDAY 09/08/2022	9.30 a.m. to 12.30 p.m.	3 hours
Engineering Graphics	SATURDAY 13/08/2022	9.30 a.m. to 12.30 p.m.	3 hours

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Programme of the S.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg, Computer, Electrical & Electronics, Information Technology and Mining) Semester- III (Revised Course 2016-17) Examinations to be held in July/August, 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)
MONDAY 18/07/2022	Concrete Technology	Applied Thermodynamics - I	Applied Mathematics -III	Applied Mathematics -III	Applied Mathematics - III	Applied Mathematics - III	Engineering Mathematics - III
FRIDAY 22/07/2022	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 Drives & Digital Electronics
WEDNESDAY 27/07/2022	Fluid Mechanics - I	Fluid Mechanics	Algorithms for Data Structures	Economics and Organizational Behaviour	Electrical Machines -I	Signals and Systems	Mechanics of Solids
MONDAY 01/08/2022	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
FRIDAY 05/08/2022	Engineering Mathematics - III	Electrical Technology	Digital System Design	Logic Design	Economics and Management	Data Structures	Machine Drawing & CAD 4hrs-(9.30am to 1.30 pm)
WEDNESDAY 10/08/2022	Managerial Economics	Engineering Mathematics and Numerical Techniques	Electrical Circuits and Systems	Software Engineering	Analog and Digital Communications	Object Oriented Programming System	Mining Geology -I

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Programme of the S.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg, Computer, Electrical & Electronics, Information Technology and Mining) Semester- IV (Revised Course 2016-17) Examination to be held in July/August, 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)
TUESDAY 19/07/2022	Surveying - I	Mechanics of Solids	Probability Theory and Random Processes	Discrete Mathematics	Numerical Techniques and Probability	Discrete Mathematical Structures	Mine Development
SATURDAY 23/07/2022	Fluid Mechanics - II	Analysis and Synthesis of Mechanisms	Signals and Systems	Computer Organization	Electrical Machines - II	Entrepreneurship Development	Fluid Mechanics & Machinery
THURSDAY 28/07/2022	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 Geology - II
TUESDAY 02/08/2022	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
SATURDAY 06/08/2022	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 Mechanics & Ground Control - I
THURSDAY 11/08/2022	Engineering Geology	Business Economics and Management	Microprocessors and Interfacing	Java Programming	Electrical Power	Microprocessors and Interfacing	Numerical Techniques & Statistics

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Programme of the T.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg, Computer, Electrical & Electronics, Information Technology and Mining) Semester- V [Revised Course 2016-17] Examinations to be held in July/August, 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)
WEDNESDAY 20/07/2022	Structural Analysis-II	Engineering Statistics	Digital Signal Processing	Data Communication	Electromagnetic Theory	Introduction to Data Communication	Surveying -II
MONDAY 25/07/2022	Design of Concrete Structures - I	Machine Design-I	Transmission Lines & Antennas	Automata Languages and Computation	Microprocessors & Interfacing	Java Programming	Rock Mechanics & Ground Control - II
FRIDAY 29/07/2022	Design of Steel Structures-I	Energy Conversion	Control Systems Engineering	Cryptography & Coding Theory	Power Electronics	Statistical Models for information Science	Mining Machinery - I
WEDNESDAY 03/08/2022	Geotechnical Engineering-I	Manufacturing Technology-II	Embedded Systems	VLSI Hardware Descriptive Language	Control Engineering	Intelligent Agents	Mine Management & Legislation
MONDAY 08/08/2022	Transportation Engineering-I	Dynamics of Machinery	VLSI Design & Technology	Database Management System.	Renewable Energy	Operating Systems	Surface Mining
FRIDAY 12/08/2022	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	Underground Coal Mining

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Programme of the T.E (Civil, Mechanical, Electronics & Telecommunication/ Electronics Comm Engg, Computer, Electrical & Electronics, Information Technology and Mining) Semester- VI (Revised Course 2016-17) Examination to be held in July/August, 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)
THURSDAY 21/07/2022	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 26/07/2022	Design of Steel Structures- II	Machine Design -II	High Performance Computing Architectures	Design and Analysis of Algorithms	Embedded Systems	Theory of Computation	Mine Environment -I
SATURDAY 30/07/2022	Geotechnical Engineering -II	Gas Dynamics & Turbomachinaries	Digital Communication Digital Communication & Coding (AITD)	Artificial Intelligence	Electrical Drives & Control	Computer Networks	Mineral Processing
THURSDAY 04/08/2022	Transportation Engineering - II	Mechanical Vibrations	Industrial Automation and Instrumentation	Computer Graphics	Electrical Machine Design	Computer Graphics	Underground Metal Mining
TUESDAY 09/08/2022	Environmental Engineering - I	Mechatronics	Operating Systems	Embedded System Design	Electronic Measurements and Virtual Instrumentation	Web Technology	Mine Economics & Valuation
SATURDAY 13/08/2022	Surveying - II	Automobile Engineering	Communication Networks	Computer Networks	Digital Signal Processing	Software Testing & Quality Assurance	Mine Surveying

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No.: GU/Exam(Prof)/B.E./2022/69

Programme of the B.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg, Computer, Electrical & Electronics, Information Technology and Mining) Semester- VI (Revised 2016-17 Course) Examinations to be held in July/August, 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)	B.E (Information Technology)	B.E. (Mining)
MONDAY 18/07/2022	Design of Concrete Structures - III	Heat and Mass Transfer	Microwave Engineering	Compiler Construction	Switchgear and Protection	Image Processing	Mine Environment -II
FRIDAY 22/07/2022	Environmental Engineering - II	Industrial Engineering and Operations Management	Introduction to Soft Computing	Data Mining	Advanced Drives and Control	Principles of Compilers	Mine Disaster Management
WEDNESDAY 27/07/2022	Estimation, Costing and Valuation	CAD and FEA	Mobile Communication	Image Processing	VL SI Circuit Design	Mobile Computing	Mine Safety and Legislation
MONDAY 01/08/2022	Elective-I (1) Environmental Pollution and Control (2) Finite Element Method (3) Occupational Safety and Health Acts (4) Advances in Concrete Technology (5) Reinforced Earth Structures	Elective-I (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	Elective-I (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	Elective-I (1) VLSI Design (2) Data Compression (3) Fuzzy Logic & Neural Networks (4) Web Technologies (5) Cloud Computing	Elective-I (1) Power System Planning and Reliability (2) HVDC Transmission (3) Smart Grid (4) Operations Research (5) Electrical Design Estimation and Costing.	Elective-I (1) Embedded System Design (2) Genetic Algorithms (3) Bio Informatics (4) Electromagnetic Commerce	Elective-I (1) Rock Fragmentation Engineering (2) Underground Space Technology (3) Petroleum Engineering (4) Coal Bed Methane
FRIDAY 05/08/2022	Elective-II (1) Applied Engineering Geology (2) Disaster Management (3) Traffic Engineering (4) Structural Dynamics (5) Structural Design of Foundations	Elective-II (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	Elective-II (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	Elective-II (1) Big Data Analytics (2) Geographical Information Systems (3) Design Pattern & Framework (4) Project Management and Quality Assurance (5) Entrepreneurship Development	Elective-II (1) Fuzzy Logic and Neural Networks (2) Data Communication & Networking (3) Image Processing (4) Statistics and Probability (5) Advanced Controllers	Elective-II (1) Geographical Information System (2) Computer Forensic (3) Digital Signal Processing (4) IT Business Methodology	Elective-II (1) Bulk Material Handling (2) Optimization Techniques in Mineral Industry (3) Computer Applications in Mining (4) Advanced Surface Mining

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

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)
TUESDAY 19/07/2022	Irrigation and Water Resources Engineering	Computer Integrated Manufacturing Systems	Information Theory and Coding Introduction to Java (AITD)	Distributed Operating Systems	Flexible AC Transmission System	Distributed System	Mine Planning and Design
SATURDAY 23/07/2022	Construction Machinery and Project Management	Refrigeration and Air - Conditioning	Advanced Communication	Network Security	PLC and its Applications	Computer Cryptography and Network Security	Mine Environmental Management
THURSDAY 28/07/2022	Elective-III (1) Industrial and Municipal Waste Management (2) Advanced Structural Analysis (3) Ground Improvement Techniques (4) Design of Earthquake Resistance Structures (5) Advanced Materials and Construction Techniques	Elective-III (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	Elective-III (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	Elective-III (1) Operation Research (2) Multimedia Systems (3) Bio Informatics (4) Storage Area Networks (5) Web Services	Elective-III (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	Elective-III (1) Web Services (2) Natural Language Processing (3) Fuzzy Logic and Neural Networks (4) Advanced Data Structures and Algorithms	Elective-III (1) Rock Slope Engineering (2) Geostatistics (3) Small Scale Mining and Open Pit Mining (4) Geodetic Surveying
TUESDAY 02/08/2022	Elective-IV (1) Advanced Pre-stressed Concrete (2) Green Building Design (3) Repairs and Rehabilitations of Structures (4) Pavement Design (5) Design of Reinforced Concrete Bridges	Elective-IV (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	Elective-IV (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	Elective-IV (1) Genetic Algorithms (2) Real Time Systems (3) Mobile Computing (4) Machine Learning (5) Digital Signal Processing	Elective-IV (1) Digital System Design using HDL (2) Biomedical Instrumentation (3) Wireless Sensor Network (4) Advanced Control Systems (5) Switch Mode Power Converters (6) Entrepreneurship Development	Elective-IV (1) VLSI Design (2) Cloud Computing (3) Advanced Computer Architecture (5) Storage Area Networks	Elective-IV (1) Entrepreneurship Development (2) Exploration Geology (3) Computer Programming (OOPS) in C++ (4) Rock Excavation Engineering

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