



GOA UNIVERSITY

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

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

Ref No.: GU/Exam(Prof)/B.E/2022/401

Date: 05/12/2022

Programme of the F.E. Semester-I (Revised Course 2016-2017) Examinations to be held in January/February, 2023.

| SUBJECT | DAY & DATE | TIME | DURATION |
|--|-------------------------|-------------------------|----------|
| Engineering Mathematics - I | MONDAY 02/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Applied Science (Physics) | FRIDAY 06/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Applied Science (Chemistry) | TUESDAY 10/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Engineering Mechanics | FRIDAY 13/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Fundamentals of Electrical Engineering | WEDNESDAY 18/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Fundamentals of Computer Engineering | MONDAY 23/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Technical English | MONDAY 30/01/2023 | 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, 2023.

| SUBJECT | DAY & DATE | TIME | DURATION |
|---|------------------------|-------------------------|----------|
| Engineering Mathematics-II | TUESDAY 03/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Applied Science (Physics) | FRIDAY 06/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Applied Science (Chemistry) | TUESDAY 10/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Programming Languages | SATURDAY 14/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Fundamentals of Electronics and Telecommunication Engineering | THURSDAY 19/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Environmental Sciences and Social Sciences | TUESDAY 24/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |
| Engineering Graphics | TUESDAY 31/01/2023 | 9.30 a.m. to 12.30 p.m. | 3 hours |


CONTROLLER OF EXAMINATIONS



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Ref No.: GU/Exam(Prof)/B.E./2022/10

Date: 05/12/2022

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 January/February, 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. (Mining) |
|---------------------------------|-------------------------------------|--|--|---|---|------------------------------------|---|
| WEDNESDAY 04/01/2023 | Concrete Technology | Applied Thermodynamics - I | Applied Mathematics -III | Applied Mathematics -III | Applied Mathematics - III | Applied Mathematics - III | Engineering Mathematics - III |
| SATURDAY 07/01/2023 | 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 11/01/2023 | Fluid Mechanics - I | Fluid Mechanics | Algorithms for Data Structures | Economics and Organizational Behaviour | Electrical Machines -I | Signals and Systems | Mechanics of Solids |
| MONDAY 16/01/2023 | 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 20/01/2023 | 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 25/01/2023 | 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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Date: 05/12/2022

Ref No.: GU/Exam(Prof)/B.E/2022/140

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 January/February, 2023.

Time: 09.30 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. (Electronics & Electronics) | S.E (Information Technology) | S.E. (Mining) |
|--------------------------------|---|--|--|-------------------------------------|---|--|-------------------------------------|
| THURSDAY 05/01/2023 | Surveying - I | Mechanics of Solids | Probability Theory and Random Processes | Discrete Mathematics | Numerical Techniques and Probability | Discrete Mathematical Structures | Mine Development |
| MONDAY 09/01/2023 | Fluid Mechanics - II | Analysis and Synthesis of Mechanisms | Signals and Systems | Computer Organization | Electrical Machines - II | Entrepreneurship Development | Fluid Mechanics & Machinery |
| THURSDAY 12/01/2023 | Building Drawing - I 2.00 P.M to 6.00P.M. (4 hrs) | Manufacturing Technology - I | Electromagnetic Fields and waves | Microprocessors and Interfacing | Linear Integrated Circuits | Computer Organization and Architecture | Mining Geology - II |
| TUESDAY 17/01/2023 | 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 21/01/2023 | 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 |
| FRIDAY 27/01/2023 | Engineering Geology | Business Economics and Management | Microprocessors and Interfacing | Java Programming | Electrical Power | Microprocessors and Interfacing | Numerical Techniques & Statistics |

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Ref No.: GU/Exam(Prof)/B.E/2022/H01

Date: 05/12/2022

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 January/February, 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) | T.E. (Electrical & Electronics) | T.E (Information Technology) | T.E. (Mining) |
|---------------------------------|---|--------------------------------------|--|------------------------------------|---------------------------------|--|--------------------------------------|
| MONDAY 02/01/2023 | Structural Analysis-II | Engineering Statistics | Digital Signal Processing | Data Communication | Electromagnetic Theory | Introduction to Data Communication | Surveying -II |
| FRIDAY 06/01/2023 | 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 13/01/2023 | Design of Steel Structures-I | Energy Conversion | Control Systems Engineering | Cryptography & Coding Theory | Power Electronics | Statistical Models for information Science | Mining Machinery - I |
| WEDNESDAY 18/01/2023 | Geotechnical Engineering-I | Manufacturing Technology-II | Embedded Systems | VLSI Hardware Descriptive Language | Control Engineering | Intelligent Agents | Mine Management & Legislation |
| MONDAY 23/01/2023 | Transportation Engineering-I | Dynamics of Machinery | VLSI Design & Technology | Database Management System. | Renewable Energy | Operating Systems | Surface Mining |
| MONDAY 30/01/2023 | Building Drawing-II 4hrs-(02.00p.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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Ref No.: GU/Exam(Prof)/B.E./2022/H01

Date: 25/12/2022

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 January/February, 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) | T.E. (Electrical & Electronics) | T.E (Information Technology) | T.E. (Mining) |
|--------------------------------|-----------------------------------|---------------------------------|--|--------------------------------------|---|--------------------------------------|----------------------------|
| TUESDAY 03/01/2023 | 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 10/01/2023 | 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 14/01/2023 | Geotechnical Engineering - II | Gas Dynamics & Turbomachinaries | Digital Communication Digital Communication & Coding (AITD) | Artificial Intelligence | Electrical Drives & Control | Computer Networks | Mineral Processing |
| THURSDAY 19/01/2023 | Transportation Engineering - II | Mechanical Vibrations | Industrial Automation and Instrumentation | Computer Graphics | Electrical Machine Design | Computer Graphics | Underground Metal Mining |
| TUESDAY 24/01/2023 | Environmental Engineering - I | Mechatronics | Operating Systems | Embedded System Design | Electronic Measurements and Virtual Instrumentation | Web Technology | Mine Economics & Valuation |
| TUESDAY 31/01/2023 | Surveying - II | Automobile Engineering | Communication Networks | Computer Networks | Digital Signal Processing | Software Testing & Quality Assurance | Mine Surveying |

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Ref No.: GU/Exam(Prof)/B.E./2022/ A0

Date: 05/12/2022

Programme of the B.E (Civil, Mechanical, Electronics & Telecommunication/Electronics Comm Engg, Computer, Electrical & Electronics, Information Technology and Mining) Semester- VII (Revised 2016-17 Course) Examinations to be held in January/February, 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.E. (Mining) |
|--------------------------------|---|--|--|---|---|--|--|
| WEDNESDAY 04/01/2023 | Design of Concrete Structures - III | Heat and Mass Transfer | Microwave Engineering | Compiler Construction | Switchgear and Protection | Image Processing | Mine Environment –II |
| SATURDAY 07/01/2023 | Environmental Engineering - II | Industrial Engineering and Operations Management | Introduction to Soft Computing | Data Mining | Advanced Drives and Control | Principles of Computers | Mine Disaster Management |
| WEDNESDAY 11/01/2023 | Estimation , Costing and Valuation | CAD and FEA | Mobile Communication | Image Processing | VLSI Circuit Design | Mobile Computing | Mine Safety and Legislation |
| MONDAY 16/01/2023 | 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) Electronic Commerce | Elective-I (1) Rock Fragmentation Engineering (2) Underground Space Technology (3) Petroleum Engineering (4) Coal Bed Methane |
| FRIDAY 20/01/2023 | 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 Processing (3) Digital Signal Processing (4) IT Business Methodology | Elective-II (1) Bulk Material Handling (2) Optimisation Technique in Mineral Industry (3) Computer Applications in Mining (4) Advanced Surface Mining |

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Date: 05/12/2022

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 January/February, 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.E. (Mining) |
|-------------------------------|---|---|---|--|--|--|--|
| THURSDAY 05/01/2023 | Irrigation and Water Resources Engineering | Computer Integrated Manufacturing Systems | Information Theory and Coding | Distributed Operating Systems | Flexible AC Transmission System | Distributed System | Mine Planning and Design |
| MONDAY 09/01/2023 | Construction Machinery and Project Management | Refrigeration and Air-Conditioning | Introduction to Java (AITD) | Network Security | PLC and its Applications | Computer Cryptography and Network Security | Mine Environmental Management |
| THURSDAY 12/01/2023 | 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 Ocean Mining (4) Geodetic Surveying |
| TUESDAY 17/01/2023 | 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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