

# BIHAR ENGINEERING UNIVERSITY, PATNA

**Revised Programme for B.Tech 1<sup>st</sup> to 8<sup>th</sup> Semester Supplementary Examination 2026**

Exam Id:- 260109

Date:- 21.08.2026

| Date                  | 1st sitting<br>(10:00 AM to 01:00 PM) |                                           | 2nd sitting<br>(02:00 PM to 05:00 PM) |                                                       |
|-----------------------|---------------------------------------|-------------------------------------------|---------------------------------------|-------------------------------------------------------|
|                       | Paper Code                            | Paper                                     | Paper Code                            | Paper                                                 |
| Monday, 24 Aug 2026   | 103401                                | Electrical and Electronics Measurement    | 101305                                | Humanities-I (Effective Technical Communication)      |
|                       | 101405                                | Introduction to Solid Mechanics           | -                                     | -                                                     |
|                       | 105201                                | PHYSICS (SEMICONDUCTOR PHYSICS)           | -                                     | -                                                     |
| Tuesday, 25 Aug 2026  | 101202                                | MATHEMATICS - II (DIFFERENTIAL EQUATIONS) | 101506                                | Mechanics of Materials                                |
| Thursday, 27 Aug 2026 | 101602                                | Construction Engineering & Management     | 101501                                | Analysis and Design of Concrete Structure             |
|                       | 119502                                | Hydraulic Engineering                     | 119503                                | Analysis and design Of Concrete structure             |
|                       | 101504                                | Hydraulic Engineering                     | 101612                                | Design of hydraulic structures/Irrigation Engineering |
|                       | -                                     | -                                         | 119611                                | Design of Hydraulic Structures/Irrigation Engineering |
| Saturday, 29 Aug 2026 | 119403                                | Disaster Preparedness & Planning          | 101505                                | Hydrology & Water Resources Engineering               |
|                       | 101402                                | Disaster Preparedness & Planning          | -                                     | -                                                     |
|                       | 119504                                | Geotechnical Engineering -I               | -                                     | -                                                     |
|                       | 101503                                | Geotechnical Engineering -I               | -                                     | -                                                     |
| Monday, 31 Aug 2026   | 101605                                | Environmental Engineering-II              | 100815                                | Digital Image Processing                              |
|                       | 114301                                | Introduction to Chemical Engineering      | 100726                                | Digital Image Processing                              |
|                       | 101306                                | INTRODUCTION TO CIVIL ENGINEERING         | 100606                                | Digital Signal Processing                             |
|                       | -                                     | -                                         | 103703                                | Digital Signal Processing                             |
| Tuesday, 01 Sep 2026  | 105501                                | Artificial intelligence                   | 100304                                | DATA STRUCTURE & ALGORITHMS                           |
|                       | 151503                                | Artificial Intelligence                   | 101838                                | Economic Policies in India                            |
|                       | 152501                                | Artificial Intelligence                   | 100308                                | ELECTROMAGNETIC FIELDS                                |
|                       | 153506                                | Artificial Intelligence                   | 101406                                | Materials, Testing & Evaluation                       |



|                        |        |                                               |        |                                                   |
|------------------------|--------|-----------------------------------------------|--------|---------------------------------------------------|
| Tuesday, 01 Sep 2026   | 155503 | Artificial Intelligence                       | 100504 | Microprocessor                                    |
|                        | 102602 | Dynamics of Machinery                         | 110405 | Microprocessors                                   |
|                        | 162501 | Dynamics of Machinery                         | -      | -                                                 |
|                        | 101404 | Introduction to Fluid Mechanics               | -      | -                                                 |
|                        | 119404 | Introduction to Fluid Mechanics               | -      | -                                                 |
|                        | 105403 | Operating Systems                             | -      | -                                                 |
|                        | 100506 | Power Electronics                             | -      | -                                                 |
|                        | 102304 | THERMODYNAMICS                                | -      | -                                                 |
| Wednesday, 02 Sep 2026 | 100622 | 3D Printing and Design                        | 152602 | Cryptography                                      |
|                        | 155603 | Ad hoc & Sensor Networks                      | 105616 | Cryptography and Network Security                 |
|                        | 156603 | Ad hoc & Sensor Networks                      | 155504 | Cryptography and Network Security                 |
|                        | 105819 | Ad-hoc and Sensor Networks                    | 156504 | Cryptography and Network Security                 |
|                        | 105612 | Advanced Data Structures and Algorithms       | 100846 | Data Science                                      |
|                        | 113601 | Advanced Mine Survey                          | 105701 | Data Science                                      |
|                        | 104806 | Analog CMOS VLSI Design                       | 100612 | Digital Control Systems                           |
|                        | 110401 | Analog Electronics                            | 104709 | Digital System Design                             |
|                        | 117704 | Artificial Organ & Rehabilitation Engineering | 110608 | Electrical Energy Conservation and Auditing       |
|                        | 152502 | Automata Theory & Compiler Design             | 103708 | Electronic Devices                                |
|                        | 151602 | Automata Theory and Compiler Design           | 104604 | Electronics Instruments and Measurement           |
|                        | 157601 | Automata Theory and Compiler Design           | 101607 | Energy Science & Engineering                      |
|                        | 102705 | Automobile Engineering                        | 112405 | Engineering Fluid Mechanics and Pumping Machinery |
|                        | 113302 | Basics of Mining Engineering                  | 100102 | ENGINEERING GRAPHICS & DESIGN                     |
|                        | 100816 | Bitcoin and Crypto Currencies                 | 100202 | ENGINEERING GRAPHICS & DESIGN                     |
|                        | 113602 | Blasting Technology                           | 107602 | Finance and accounting (Humanities)               |
|                        | 105812 | Block Chain                                   | 161302 | Fluid Mechanics and Machinery                     |
|                        | 101704 | Building Construction Practice                | 101715 | Groundwater                                       |

|                           |        |                                           |        |                                              |
|---------------------------|--------|-------------------------------------------|--------|----------------------------------------------|
| Wednesday,<br>02 Sep 2026 | 104701 | Business Analytics                        | 114601 | Heat Transfer Operation                      |
|                           | 159504 | CMOS Integrated Circuits                  | 116608 | Helicopter Engineering                       |
|                           | 102703 | Computer Aided Design                     | 105718 | Human Computer Interaction                   |
|                           | 112602 | Computer Aided Risk Analysis              | 100803 | HVDC Transmission Systems                    |
|                           | 118401 | Computer Graphics                         | 112501 | Hydraulic Systems for Firefighting Equipment |
|                           | 101710 | Concrete Technology                       | 101739 | ICT for Development                          |
|                           | 101827 | Construction Engineering Materials.       | 153603 | Image and Video Processing                   |
|                           | -      | -                                         | 114404 | Industrial Fluid Flow Operations             |
|                           | -      | -                                         | 114503 | Introduction to Analytical Instrument        |
| Thursday,<br>03 Sep 2026  | 116502 | Aircraft Structure - II                   | 116403 | Aircraft Structures-I                        |
|                           | 100813 | Big Data Analytics                        | 100301 | BIOLOGY FOR ENGINEERS                        |
|                           | 117602 | Bio MEMS                                  | 100401 | Biology for Engineers                        |
|                           | 100817 | Cloud Computing                           | 100601 | Biology for Engineers                        |
|                           | 110725 | Cloud Computing                           | 100708 | Biology for Engineers                        |
|                           | 151614 | Cloud Computing                           | 104501 | Computer Networks and Security               |
|                           | 155801 | Cloud Computing                           | 105801 | Data Mining                                  |
|                           | 102609 | Composite Materials                       | 119601 | Database Management System                   |
|                           | 100611 | Computer Architecture                     | 151502 | Database Management System                   |
|                           | 110728 | Electrical Safety                         | 152503 | Database Management System                   |
|                           | 100309 | ENGINEERING MECHANICS                     | 153502 | Database Management System                   |
|                           | 100310 | ENGINEERING MECHANICS                     | 155502 | Database Management System                   |
|                           | 101304 | ENGINEERING MECHANICS                     | 157501 | Database Management System                   |
|                           | 119304 | Engineering Mechanics                     | 105502 | Database Management Systems                  |
|                           | 101731 | Environmental Laws and Policy             | 151801 | Deep Learning                                |
|                           | 105606 | Introduction To Java Programming Language | 152701 | Deep Learning                                |

|                          |        |                                                  |        |                                                                                   |
|--------------------------|--------|--------------------------------------------------|--------|-----------------------------------------------------------------------------------|
| Thursday,<br>03 Sep 2026 | 105202 | MATHEMATICS - II<br>(PROBABILITY AND STATISTICS) | 155701 | Deep Learning                                                                     |
|                          | 159304 | Object Oriented Programming                      | 102601 | Design of Machine Elements                                                        |
|                          | 100313 | OBJECT ORIENTED<br>PROGRAMMING USING<br>C++      | 104602 | Digital Communication                                                             |
|                          | 101813 | Pavement Materials                               | 104302 | ELECTRICAL & ELECTRONIC<br>MATERIAL                                               |
|                          | 101101 | PHYSICS(MECHANICS)                               | 159306 | Electrical and Electronic Material                                                |
|                          | 100804 | Power Quality and FACTS                          | 105604 | Graph Theory                                                                      |
|                          | 104405 | Semiconductor Physics and<br>Devices             | 100514 | Green Energy Technologies                                                         |
|                          | 104710 | VLSI Technology                                  | 103202 | MATHEMATICS - II (LINEAR ALGEBRA,<br>TRANSFORM CALCULUS AND<br>NUMERICAL METHODS) |
|                          | -      | -                                                | 110601 | Measurements and Instrumentation                                                  |
|                          | -      | -                                                | 103601 | Power Systems – II (Operation and Control)                                        |
|                          | -      | -                                                | 101818 | Railway Engineering                                                               |
|                          | -      | -                                                | 117603 | Signal Conditioning and Data Acquisition<br>System                                |
| Saturday, 05<br>Sep 2026 | 151604 | AI and Ethics                                    | 110501 | Analog & Digital Communication System                                             |
|                          | 152604 | AI and Ethics                                    | 100101 | BASIC ELECTRICAL ENGINEERING                                                      |
|                          | 116404 | Aircraft Hardware and<br>Materials               | 100201 | BASIC ELECTRICAL ENGINEERING                                                      |
|                          | 151509 | Computer Network                                 | 101303 | COMPUTER AIDED CIVIL ENGINEERING<br>DRAWING                                       |
|                          | 152504 | Computer Network                                 | 119303 | Computer Aided Civil Engineering Drawing                                          |
|                          | 157503 | Computer Network                                 | 102802 | Design of Transmission Systems                                                    |
|                          | 100602 | Computer Networks                                | 104502 | Digital Signal Processing                                                         |
|                          | 103804 | Computer Networks                                | 159404 | Electromagnetic Theory                                                            |
|                          | 153503 | Computer Networks                                | 104404 | Electromagnetic Theory                                                            |
|                          | 103715 | Electrical Materials                             | 102502 | Heat Transfer                                                                     |
|                          | 110810 | Electrical Materials                             | 100814 | Internet of Things                                                                |
|                          | 105503 | Formal Language &<br>Automata Theory             | 119703 | Internet of Things                                                                |

|                          |        |                                                   |        |                                             |
|--------------------------|--------|---------------------------------------------------|--------|---------------------------------------------|
| Saturday, 05<br>Sep 2026 | 153508 | Formal Language & Automata Theory                 | 152507 | Internet of Things                          |
|                          | 101722 | Foundation Engineering                            | 153702 | Internet of Things                          |
|                          | 102202 | MATHEMATICS - II (ODE & COMPLEX VARIABLES)        | 100713 | Soft Skills and Interpersonal Communication |
|                          | 103403 | Mathematics – III (Probability and Statistics)    | 103502 | Wind and Solar Energy Systems               |
|                          | 100312 | MATHEMATICS-III (PDE, PROBABILITY AND STATISTICS) | 110806 | Wind and Solar Energy Systems               |
|                          | 110404 | Mathematics–III (Probability and Statistics)      | -      | -                                           |
|                          | 104304 | NETWORK THEORY                                    | -      | -                                           |
|                          | 159301 | Network Theory                                    | -      | -                                           |
|                          | 163305 | Network Theory                                    | -      | -                                           |
|                          | 112305 | Python programming                                | -      | -                                           |
|                          | 113305 | Python programming                                | -      | -                                           |
|                          | 115306 | Python programming                                | -      | -                                           |
|                          | 116304 | Python Programming                                | -      | -                                           |
|                          | 117305 | Python programming                                | -      | -                                           |
|                          | 153504 | Python Programming                                | -      | -                                           |
|                          | 155612 | Python Programming                                | -      | -                                           |
|                          | 161305 | Python programming                                | -      | -                                           |
|                          | 162404 | Python Programming                                | -      | -                                           |
|                          | 117606 | Radiological Equipment                            | -      | -                                           |
|                          | 100314 | TECHNICAL WRITING                                 | -      | -                                           |
| Monday, 07<br>Sep 2026   | 104401 | Analog Circuits                                   | 102401 | Applied Thermodynamics                      |
|                          | 102605 | Automation in Manufacturing                       | 101302 | BASIC ELECTRONICS                           |
|                          | 100103 | CHEMISTRY                                         | 104301 | BASIC ELECTRONICS                           |
|                          | 100203 | CHEMISTRY                                         | 119302 | Basic Electronics                           |
|                          | 105601 | Compiler Design                                   | 100303 | BASIC ELECTRONICS ENGINEERING               |

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|-------------------------|--------|----------------------------------------------|--------|-----------------------------------------|
| Monday, 07<br>Sep 2026  | 153607 | Compiler Design                              | 104403 | Digital Circuits                        |
|                         | 105713 | Cyber Security                               | 100305 | DIGITAL ELECTRONICS                     |
|                         | 100307 | ELECTRICAL MACHINES - I                      | 100403 | Digital Electronics                     |
|                         | 102402 | Engineering Materials                        | 103606 | Industrial Electrical Systems           |
|                         | 101606 | Geotechnical Engineering -II                 | 110704 | Industrial Electrical Systems           |
|                         | 100508 | Professional Skill Development               | 102706 | Operations Research                     |
|                         | 100608 | Professional Skill Development               | -      | -                                       |
|                         | 102702 | Refrigeration and Air Conditioning           | -      | -                                       |
| Tuesday, 08<br>Sep 2026 | 100302 | ANALOG ELECTRONIC CIRCUITS                   | 100106 | ENGLISH                                 |
|                         | 101401 | Civil Engineering - Societal & Global Impact | 100206 | ENGLISH                                 |
|                         | 104606 | Digital CMOS VLSI Design                     | 102501 | Fluid Machinery                         |
|                         | 100613 | Electrical Drives                            | 100311 | MATHEMATICS-III (DIFFERENTIAL CALCULUS) |
|                         | 101502 | Environmental Engineering -I                 | 102610 | Power Plant Engineering                 |
|                         | 119605 | Environmental Engineering-II                 | 103712 | Power Plant Engineering                 |
|                         | 102101 | PHYSICS (ELECTROMAGNETISM)                   | 103404 | Signals and Systems                     |
|                         | 104506 | Probability Theory and Stochastic Processes  | 104305 | SIGNALS AND SYSTEMS                     |
|                         | 101701 | Professional Practice, Law & Ethics          | 163306 | Signals and systems                     |
|                         | 102405 | Strength of Materials                        | 110406 | Signals and Systems                     |
|                         | 103807 | Strength of Materials                        | 101308 | SURVEYING & GEOMATICS                   |
|                         | 112304 | Strength of Materials                        | 119308 | Surveying & Geomatics                   |
|                         | 161304 | Strength of Materials                        | -      | -                                       |
|                         | 100105 | WORKSHOP MANUFACTURING PRACTICES             | -      | -                                       |
|                         | 100205 | WORKSHOP MANUFACTURING PRACTICES             | -      | -                                       |



|                          |        |                                                  |        |                                                                          |
|--------------------------|--------|--------------------------------------------------|--------|--------------------------------------------------------------------------|
| Wednesday,<br>9 Sep 2026 | 105402 | Design & Analysis of Algorithms                  | 101617 | Concrete Materials                                                       |
|                          | 103402 | Electrical Machines – II                         | 162405 | Control System                                                           |
|                          | 110402 | Electrical Machines – II                         | 100502 | Control Systems                                                          |
|                          | 102504 | Manufacturing Processes                          | 100404 | Discrete Mathematics                                                     |
|                          | 102102 | MATHEMATICS - I<br>(CALCULUS AND LINEAR ALGEBRA) | 106301 | DISCRETE MATHEMATICS                                                     |
|                          | 105102 | MATHEMATICS - I<br>(CALCULUS AND LINEAR ALGEBRA) | 102403 | Fluid Mechanics                                                          |
|                          | 101407 | Mechanical Engineering                           | 116401 | Fluids Mechanics                                                         |
|                          | 119401 | Mechanical Engineering                           | 104503 | Linear Control Systems                                                   |
|                          | 159503 | Microprocessors and Microcontrollers             | 103102 | MATHEMATICS - I (CALCULUS AND DIFFERENTIAL EQUATIONS)                    |
|                          | 104505 | Microprocessors and Microcontrollers             | 119306 | Solid Mechanics                                                          |
|                          | 110803 | Power System Protection                          | 119507 | Transportation Engineering                                               |
|                          | 103701 | Power System Protection                          | 101507 | Transportation Engineering                                               |
| Thursday,<br>10 Sep 2026 | 159402 | Analog Communication                             | 101604 | Engineering Economics, Estimation & Costing                              |
|                          | 104402 | Analog Communication                             | 101403 | Engineering Geology                                                      |
|                          | 105401 | Computer Organization & Architecture             | 119402 | Engineering Geology                                                      |
|                          | 104601 | Computer Organization and Architecture           | 102701 | Internal Combustion Engines                                              |
|                          | 100607 | Introduction to VLSI Design                      | 101102 | MATHEMATICS - I<br>(CALCULUS, MULTIVARIABLE CALCULUS AND LINEAR ALGEBRA) |
|                          | 102503 | Kinematics of Machine                            | 103201 | PHYSICS (WAVE AND OPTICS AND INTRODUCTION TO QUANTUM MECHANICS)          |
|                          | 162401 | Kinematics of Machinery                          | 100507 | Power Systems-I (Apparatus and Modelling)                                |
|                          | 104504 | Linear Integrated Circuits and Applications      | 105504 | Software Engineering                                                     |
|                          | 119405 | Structural Analysis                              | 155510 | Software Engineering                                                     |
|                          | 101408 | Structural Analysis                              | -      | -                                                                        |

Friday, 11  
Sep 2026

|        |                                                 |        |                                                        |
|--------|-------------------------------------------------|--------|--------------------------------------------------------|
| 105602 | Machine Learning                                | 151603 | Ad hoc & Network Sensors                               |
| 151601 | Machine Learning                                | 116303 | Aero Engineering Thermodynamics                        |
| 152601 | Machine Learning                                | 100615 | Basic of AI                                            |
| 153501 | Machine Learning                                | 101814 | Construction Cost Analysis                             |
| 154603 | Machine Learning                                | 101803 | Contracts Management                                   |
| 155601 | Machine Learning                                | 104702 | Cost Management of Engineering Projects                |
| 157504 | Machine Learning                                | 101603 | Design of Steel Structure                              |
| 104303 | MATHEMATICS-III                                 | 119602 | Design of Steel Structure                              |
| 159303 | Mathematics-III                                 | 105707 | E-Commerce and ERP                                     |
| 163304 | Mathematics-III                                 | 100616 | Electrical and Hybrid Vehicles                         |
| 102607 | Mechatronic systems                             | 103801 | Electrical and Hybrid Vehicles                         |
| 104705 | Optical Fiber Communications                    | 110709 | Electrical and Hybrid Vehicles                         |
| 110408 | Organizational Behavior & Industrial Psychology | 100306 | ELECTRICAL CIRCUIT ANALYSIS                            |
| 101808 | Prestressed Concrete                            | 112403 | Electrical Technology and Safety                       |
| 100104 | PROGRAMMING FOR PROBLEM SOLVING                 | 100704 | Electromagnetic Waves                                  |
| 100204 | PROGRAMMING FOR PROBLEM SOLVING                 | 102804 | Energy Conservation and Management                     |
| 116402 | Propulsion-I                                    | 112603 | Fire Emergency Communication Systems                   |
| 116501 | Propulsion-II                                   | 105804 | Genetic Algorithm                                      |
| 105811 | Real Time Systems                               | 101802 | Geometric Design of Highways                           |
| 102611 | Renewable Energy Systems                        | 110703 | High Voltage Engineering                               |
| 117601 | Robotic Programming and Software Development    | 100714 | Human Resource Development and Organizational Behavior |
| 152603 | Web application Security                        | 100407 | Human Resource Development and Organizational Behavior |
|        |                                                 | 102404 | Instrumentation & Control                              |



|                          |        |                                         |        |                                            |
|--------------------------|--------|-----------------------------------------|--------|--------------------------------------------|
| Saturday, 12<br>Sep 2026 | 156614 | IoT and It's Applications               | 117403 | Robotics Sensor and Actuaator              |
|                          | 155501 | IoT Architecture & Design               | 112302 | Safety Engineering & Fire Technology       |
|                          | 102603 | Manufacturing Technology                | 112606 | Safety in Rail, Road Transport and Storage |
|                          | 114701 | Mass Transfer Operations                | 102807 | Safety Management                          |
|                          | 116302 | Mechanics of Solids                     | 155706 | Sensors and Actuator Devices for IoT       |
|                          | 113603 | Mining Legislation and Safety- I        | 101619 | Soil Mechanics-I                           |
|                          | 113405 | Mining Machinery                        | 101712 | Soil Mechanics-II                          |
|                          | 155608 | Natural Language Processing             | 101828 | Solid and Hazardous Waste Management       |
|                          | 157701 | Natural Language Processing             | 116503 | Theory of Machines                         |
|                          | 102808 | Non-Conventional Manufacturing          | 101721 | Traffic Engineering and Management         |
|                          | 117801 | Physiological Systems Modeling          | 101613 | Water Quality Engineering                  |
|                          | 161405 | Power Electronics and Electrical Drives | 105614 | Web and Internet Technology                |
|                          | 102801 | Principles of Management                | 104703 | Wireless Communication                     |
|                          | 114302 | Process Calculation                     | 104804 | Wireless Sensor and Networks               |
|                          | 114405 | Process Equipment Design and Drawing    | -      | -                                          |

**Note :** Sessional/Practical/Viva-Voce Exam will be held from 14-09-2026 to 18-09-2026 and External Marks should be uploaded during the same period.

**Important Note**

- **Submit the hard copy of Sessional/Practical/Viva-Voce marks within 72 hours after completion of the examination.**

By Order of the Vice-Chancellor

Sd/

**Examination Controller**

**Bihar Engineering University**

**Patna**

Memo No.:- BEU /Exam/ 2252 /2026/Patna

Dated 21/08/26

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**Examination Controller**

**Bihar Engineering University**

Patna