



## The Institution of Engineers (India)

The Winter 2018 Examinations of Sections 'A' and 'B' shall be conducted at 70 Examination Centres in India and abroad during December 1-7, 2018.

Applications submitted during the period mentioned hereunder shall only be considered for Winter 2018 Examinations.

**Candidates not applied / applied but not appeared in Summer 2018 Examinations :**

**August 19 to September 24, 2018**

**Candidates appeared in Summer 2018 Examinations:**

**September 25 to October 29, 2018.**

**Examination fee (to be paid during filling of forms) :**

**India and Nepal: Rs 3000/-**

**Foreign: US \$225/- (Through Demand Draft only)**

**Maximum number of subjects that a student can appear in one term : 4 subjects**

# PROGRAMME OF WINTER 2018 EXAMINATION

DAY (DATE OF EXAMINATION)	SESSION	SECTION A		SECTION B	
		NON-DIPLOMA SCHEME	DIPLOMA SCHEME	CHEMICAL ENGINEERING (BRANCH CODE 04)	CIVIL ENGINEERING (BRANCH CODE 05)
FIRST DAY (SATURDAY) 01.12.2018	10 AM to 1 PM (FN)	<b>AN 201</b> Fundamentals of Design and Manufacturing	<b>AD 301</b> Fundamentals of Design and Manufacturing	<b>CH 411</b> Mass Transfer Operations <b>CH 421</b> Fuels and Combustion	<b>CV 411</b> Advanced Structural Analysis <b>CV 421</b> Principles of Environmental Engineering
	2-30 PM to 5-30 PM (AN)				<b>CV 431</b> Transportation Engineering
SECOND DAY (SUNDAY) 02.12.2018	10 AM to 1 PM (FN)	<b>AN 202</b> Material Science and Engineering	<b>AD 302</b> Material Science and Engineering	<b>CH 412</b> Heat Transfer Operations <b>CH 422</b> Biochemical Engineering	<b>CV 432</b> Traffic and Transportation Systems
	2-30 PM to 5-30 PM (AN)			<b>CH 432</b> Petrochemical Engineering	<b>CV 425</b> Waste Management and Environmental Impact Assessment
THIRD DAY (MONDAY) 03.12.2018	10 AM to 1 PM (FN)	<b>AN 203</b> Computing and Informatics	<b>AD 303</b> Computing and Informatics	<b>IC 402</b> Engineering Management	
	2-30 PM to 5-30 PM (AN)			<b>CH 431</b> Polymer Materials and Technology	<b>CV 412</b> Design of RCC and Prestressed Concrete Structures <b>CV 422</b> Environmental Engineering -- Processes and Management
FOURTH DAY (TUESDAY) 04.12.2018	10 AM to 1 PM (FN)	<b>AN 204</b> Society and Environment	<b>AD 304</b> Society and Environment	<b>CH 403</b> Chemical Reaction Engineering	<b>CV 403</b> Civil Engineering Materials and Construction Practices
	2-30 PM to 5-30 PM (AN)			<b>CH 404</b> Transport Phenomena	<b>CV 404</b> Geotechnical and Foundation Engineering
FIFTH DAY (WEDNESDAY) 05.12.2018	10 AM to 1 PM (FN)	<b>AN 205</b> Mechanical Science		<b>CH 413 / 423</b> Mechanical Operations <b>CH 433</b> Industrial Pollution and Control	<b>CV 413</b> Design of Steel Structures <b>CV 423</b> Air Pollution and Its Control <b>CV 433</b> Town Planning and Urban Development
	2-30 PM to 5-30 PM (AN)	<b>AN 206</b> Engineering Physics and Chemistry		<b>CH 405</b> Chemical Engineering Thermodynamics	<b>CV 405</b> Water Resources Systems
SIXTH DAY (THURSDAY) 06.12.2018	10 AM to 1 PM (FN)	<b>AN 207</b> Engineering Drawing and Graphics		<b>CH 406</b> Chemical Process Principles	<b>CV 406</b> Principles of Geoinformatics
	2-30 PM to 5-30 PM (AN)	<b>AN 208</b> Electronics and Instrumentation		<b>CH 414</b> Fluid Mechanics <b>CH 424</b> Chemical Process Technology <b>CH 434</b> Fertilizer Technology	<b>CV 414</b> Structural Dynamics <b>CV 424 / 434</b> Design of Water and Wastewater Treatment Systems
SEVENTH DAY (FRIDAY) 07.12.2018	10 AM to 1 PM (FN)	<b>AN 209</b> Engineering Mathematics		<b>CH 415 / 425 / 435</b> Instrumentation and Control	<b>CV 415</b> Seismic Design of Structures <b>CV 435</b> Construction Management Systems
	2-30 PM to 5-30 PM (AN)	<b>AN 210</b> Electrical Science		<b>CH 407</b> Chemical Engineering Equipment Design	<b>CV 407</b> Analysis and Design of Structures

# PROGRAMME OF WINTER 2018 EXAMINATION

DAY (DATE OF EXAMINATION)	SESSION	SECTION B			
		COMPUTER SCIENCE AND ENGINEERING (BRANCH CODE 06)	ELECTRICAL ENGINEERING (BRANCH CODE 07)	ELECTRONICS AND COMMUNICATION ENGINEERING (BRANCH CODE 08)	MECHANICAL ENGINEERING (BRANCH CODE 11)
FIRST DAY (SATURDAY) 01.12.2018	10 AM to 1 PM (FN)	<b>CP 411</b> Graph Theory and Combinatorics <b>CP 421</b> Parallel Processing	<b>EL 411</b> Energy Systems <b>EL 421</b> Advanced Aspects of Electrical Machines	<b>EC 411</b> Broadcast and Television Engineering <b>EC 421</b> Digital Hardware Design	<b>MC 423</b> Analysis and Synthesis of Mechanisms and Machines <b>MC 431</b> Manufacturing Science
	2-30 PM to 5-30 PM (AN)	<b>CP 431</b> Pattern Recognition and Image Processing	<b>EL 431</b> Control Theory	<b>EC 431</b> Sensors and Transducers	<b>MC 411</b> Refrigeration and Air-conditioning
SECOND DAY (SUNDAY) 02.12.2018	10 AM to 1 PM (FN)	<b>CP 415</b> Database Management Systems <b>CP 435</b> Software Engineering	<b>EL 414</b> Power System Performance	<b>EC 415</b> Computer Networks and Communication <b>EC 425</b> Software Engineering	<b>MC 421</b> Design of Mechanical Systems
	2-30 PM to 5-30 PM (AN)		<b>EL 424</b> Electrical Power Utilisation <b>EL 434</b> Instrumentation Systems	<b>EC 432</b> Industrial Instrumentation and Computer Control	<b>MC 413</b> Non-conventional Energy Systems <b>MC 433</b> Tool and Die Design
THIRD DAY (MONDAY) 03.12.2018	10 AM to 1 PM (FN)	<b>IC 402</b> Engineering Management			
	2-30 PM to 5-30 PM (AN)	<b>CP 412 / 422</b> Computer Networks <b>CP 432</b> Theory of Computation	<b>EL 412 / 422 / 432</b> Power Electronics	<b>EC 413</b> Microwave Engineering <b>EC 423</b> IC Design Techniques <b>EC 433</b> Biomedical Electronics	<b>MC 412</b> Power Plant Engineering <b>MC 422</b> Optimisation-Theory and Applications <b>MC 432</b> Computer Aided Manufacturing
FOURTH DAY (TUESDAY) 04.12.2018	10 AM to 1 PM (FN)	<b>CP 403</b> Data Structures	<b>EL 403</b> Power Systems	<b>EC 403</b> Communication Engineering	<b>MC 403</b> Mechanics of Solids
	2-30 PM to 5-30 PM (AN)	<b>CP 404</b> Programming Languages	<b>EL 404</b> Circuit and Field Theory	<b>EC 404</b> Circuit Theory and Control	<b>MC 434</b> Manufacturing Automation
FIFTH DAY (WEDNESDAY) 05.12.2018	10 AM to 1 PM (FN)	<b>CP 413 / 423 / 433</b> Operating Systems	<b>EL 413</b> High Voltage Engineering and Power Apparatus <b>EL 423</b> Electrical Drives <b>EL 433</b> Process Control Systems	<b>EC 435</b> Control Systems	<b>MC 404</b> Mechanics of Fluids
	2-30 PM to 5-30 PM (AN)	<b>CP 405</b> Pulse and Digital Circuits	<b>EL 405</b> Electrical Machines	<b>EC 412</b> Radar and Antenna Engineering <b>EC 422</b> Pulse and Digital Circuits	<b>MC 415</b> Turbomachinery <b>MC 425</b> Computer Aided Engineering Design <b>MC 435</b> Production Management
SIXTH DAY (THURSDAY) 06.12.2018	10 AM to 1 PM (FN)	<b>CP 406</b> Computer Architecture	<b>EL 406</b> Measurements and Control	<b>EC 406</b> Electronic Circuits	<b>MC 406</b> Manufacturing Technology
	2-30 PM to 5-30 PM (AN)	<b>CP 425</b> Microprocessors and Microcontrollers	<b>EL 415/425/435</b> Microprocessors and Microcontrollers	<b>EC 405</b> Microprocessors and Microcontrollers	<b>MC 405</b> Thermal Science and Engineering
SEVENTH DAY (FRIDAY) 07.12.2018	10 AM to 1 PM (FN)	<b>CP 414</b> Artificial Intelligence <b>CP 424 / 434</b> Computer Graphics		<b>EC 414</b> Optical and Satellite Communication <b>EC 424</b> Solid State Physics and Semiconductor Devices <b>EC 434</b> Signal Processing	<b>MC 414</b> Internal Combustion Engines <b>MC 424</b> Design of Machine Tools
	2-30 PM to 5-30 PM (AN)	<b>CP 407</b> Systems Analysis and Design	<b>EL 407</b> Design of Electrical Systems	<b>EC 407</b> Design of Electronic Devices and Circuits	<b>MC 407</b> Design of Machine Elements

# PROGRAMME OF WINTER 2018 EXAMINATION

DAY (DATE OF EXAMINATION)	SESSION	SECTION B			
		MATERIALS AND METALLURGICAL ENGINEERING (BRANCH CODE 12)	MINING ENGINEERING (BRANCH CODE 13)	PRODUCTION ENGINEERING (BRANCH CODE 14)	TEXTILE ENGINEERING (BRANCH CODE 15)
<b>FIRST DAY (SATURDAY) 01.12.2018</b>	10 AM to 1 PM (FN)	<b>MM 411</b> Mineral Engineering	<b>MN 411</b> Advanced Mine Ventilation <b>MN 421</b> Mine Systems Engineering	<b>PR 411</b> Manufacturing Science <b>PR 421</b> Facility Planning, Design and Maintenance	<b>TX 411</b> Advanced Yarn Manufacture
	2-30 PM to 5-30 PM (AN)	<b>MM 432</b> Welding and Allied Processes	<b>MN 431</b> Advanced Rock Mechanics	<b>PR 431</b> Materials Management	<b>TX 421</b> Advanced Fabric Manufacture and Design
<b>SECOND DAY (SUNDAY) 02.12.2018</b>	10 AM to 1 PM (FN)	<b>MM 412</b> Fuels, Furnaces and Refractories <b>MM 422</b> Electrometallurgy and Corrosion	<b>MN 412</b> Environmental Pollution and Control in Mines <b>MN 422</b> Economics of Mining Enterprises	<b>PR 425</b> Work Study and Ergonomics	
	2-30 PM to 5-30 PM (AN)		<b>MN 432</b> Advanced Methods of Mining	<b>PR 413</b> Tool and Die Design	<b>TX 431</b> Advanced Chemical Processing and Finishing
<b>THIRD DAY (MONDAY) 03.12.2018</b>	10 AM to 1 PM (FN)	<b>IC 402</b> Engineering Management			
	2-30 PM to 5-30 PM (AN)	<b>MM 421 / 431</b> Polymer Materials and Technology	<b>MN 414 / 434</b> Mine Surveying	<b>PR 412/432</b> Computer Aided Manufacturing <b>PR 422</b> Project Management	<b>TX 412</b> Modern Yarn Production and Control Systems <b>TX 422</b> Non-woven, Knitting and Industrial Fabrics <b>TX 432</b> Garment Technology
<b>FOURTH DAY (TUESDAY) 04.12.2018</b>	10 AM to 1 PM (FN)	<b>MM 403</b> Metallurgical Thermodynamics and Kinetics	<b>MN 403</b> Mining Geology and Development of Mineral Deposits	<b>PR 403</b> Mechanics of Solids	<b>TX 403</b> Textile Fibres and Testing
	2-30 PM to 5-30 PM (AN)	<b>MM 404</b> Extractive Metallurgy	<b>MN 404</b> Exploitation of Mineral Deposits	<b>PR 404</b> Manufacturing Automation	<b>TX 404</b> Yarn Manufacture
<b>FIFTH DAY (WEDNESDAY) 05.12.2018</b>	10 AM to 1 PM (FN)	<b>MM 413</b> Ferrous Extractive Metallurgy <b>MM 423/433</b> Advanced Physical Metallurgy	<b>MN 413</b> Electrical Equipment and Instrumentation in Mines <b>MN 423</b> Geostatistics <b>MN 433</b> Mine Planning and Excavation	<b>PR 423/433</b> Quality Management	<b>TX 413/423</b> Engineering Design of Textile Structures <b>TX 433</b> Chemistry and Technology of Man-made Fibres
	2-30 PM to 5-30 PM (AN)	<b>MM 405</b> Mechanical Behaviour of Materials	<b>MN 405</b> Mining Machinery and Material Handling	<b>PR 405</b> Production Management	<b>TX 405</b> Fabric Manufacture and Design
<b>SIXTH DAY (THURSDAY) 06.12.2018</b>	10 AM to 1 PM (FN)	<b>MM 406</b> Physical Metallurgy	<b>MN 406</b> Mine Ventilation and Environmental Hazards	<b>PR 406</b> Manufacturing Technology	<b>TX 406</b> Chemical Processing and Finishing
	2-30 PM to 5-30 PM (AN)	<b>MM 414</b> Non-ferrous Extractive Metallurgy <b>MM 424</b> Materials Characterisation <b>MM 434</b> Foundry Engineering	<b>MN 424</b> Quality, Reliability and Safety in Mines	<b>PR 415</b> Inspection and Product Control <b>PR 424 / 434</b> Operations Research	<b>TX 414 / 424</b> Textile Machinery and Maintenance <b>TX 434</b> Energy Conservation, Environmental and Pollution Control
<b>SEVENTH DAY (FRIDAY) 07.12.2018</b>	10 AM to 1 PM (FN)	<b>MM 415</b> Instrumentation and Control <b>MM 425</b> Ceramic Materials <b>MM 435</b> Mechanical Working Processes	<b>MN 415 / 425 / 435</b> Mine Management and Legislation	<b>PR 414</b> Design of Machine Tools <b>PR 435</b> Operations Planning and Control	<b>TX 415 / 425 / 435</b> Mill Organisation, Process Economics and Quality Control
	2-30 PM to 5-30 PM (AN)	<b>MM 407</b> Metallurgical Design	<b>MN 407</b> Geomechanics and Mine Design	<b>PR 407</b> Design of Machine Elements	<b>TX 407</b> Design and Mechanisms of Textile Machines

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