



THE INSTITUTION OF ENGINEERS (INDIA)

SUMMER 2020 Examination

The Summer 2020 Examinations of Sections 'A' and 'B' shall be conducted at 69 Examination Centres in India and abroad during **June 6-12, 2020**.

DATE OF SUBMISSION OF SUMMER 2020 EXAMINATION APPLICATION FORM ONLINE AND BY DEMAND DRAFT :

START DATE OF SUBMISSION	18 FEBRUARY 2020
LAST DATE OF SUBMISSION	27 APRIL 2020

Examination fee

	For India	For Overseas Centres	
	INR	US \$	INR equivalent
Section A (Diploma), Section A (Non-diploma) & Section B	Rs .3000	US\$ 225 (Through Demand Draft only)	Rs. 16200 (Through Demand Draft only)

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

TIMINGS OF EXAMINATION:

FORENOON SESSION (FN) : 10:00 HRS – 13:00 HRS

AFTERNOON SESSION (AN) : 14:30 HRS – 17:30 HRS

The programme for Summer 2020 examination is given below

Programme of Summer 2020 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) 06.06.2020	FN	AN 201 Fundamentals of Design and Manufacturing	AD 301 Fundamentals of Design and Manufacturing	CH 411 Mass Transfer Operations CH 421 Fuels and Combustion	CV 411 Advanced Structural Analysis CV 421 Principles of Environmental Engineering
	AN				CV 431 Transportation Engineering
Second Day (Sunday) 07.06.2020	FN	AN 202 Material Science and Engineering	AD 302 Material Science and Engineering	CH 412 Heat Transfer Operations CH 422 Biochemical Engineering	CV 432 Traffic and Transportation Systems
	AN			CH 432 Petrochemical Engineering	CV 425 Waste Management and Environmental Impact Assessment
Third Day (Monday) 08.06.2020	FN	AN 203 Computing and Informatics	AD 303 Computing and Informatics	IC 402 Engineering Management	
	AN			CH 431 Polymer Materials and Technology	CV 412 Design of RCC and Prestressed Concrete Structures CV 422 Environmental Engineering -- Processes and Management
Fourth Day (Tuesday) 09.06.2020	FN	AN 204 Society and Environment	AD 304 Society and Environment	CH 403 Chemical Reaction Engineering	CV 403 Civil Engineering Materials and Construction Practices
	AN			CH 404 Transport Phenomena	CV 404 Geotechnical and Foundation Engineering
Fifth Day (Wednesday) 10.06.2020	FN	AN 205 Mechanical Science		CH 413 / 423 Mechanical Operations CH 433 Industrial Pollution and Control	CV 413 Design of Steel Structures CV 423 Air Pollution and Its Control CV 433 Town Planning and Urban Development
	AN	AN 206 Engineering Physics and Chemistry		CH 405 Chemical Engineering Thermodynamics	CV 405 Water Resources Systems
Sixth Day (Thursday) 11.06.2020	FN	AN 207 Engineering Drawing and Graphics		CH 40 Chemical Process Principles	CV 40 Principles of Geoinformatics
	AN	AN 208 Electronics and Instrumentation		CH 414 Fluid Mechanics CH 424 Chemical Process Technology CH 434 Fertilizer Technology	CV 414 Structural Dynamics CV 424 / 434 Design of Water and Wastewater Treatment Systems
Seventh Day (Friday) 12.06.2020	FN	AN 209 Engineering Mathematics		CH 415 / 425 / 435 Instrumentation and Control	CV 415 Seismic Design of Structures CV 435 Construction Management Systems
	AN	AN 210 Electrical Science		CH 407 Chemical Engineering Equipment Design	CV 407 Analysis and Design of Structures

Programme of Summer 2020 Examination

Day (Date of Examination)	SESSION	SECTION B			
		COMPUTER SCIENCE AND ENGINEERING (BRANCH CODE 0)	ELECTRICAL ENGINEERING (BRANCH CODE 07)	ELECTRONICS AND COMMUNICATION ENGINEERING (BRANCH CODE 08)	MECHANICAL ENGINEERING (BRANCH CODE 11)
First Day (Saturday) 06.06.2020	FN	CP 411 Graph Theory and Combinatorics CP 421 Parallel Processing	EL 411 Energy Systems EL 421 Advanced Aspects of Electrical Machines	EC 411 Broadcast and Television Engineering EC 421 Digital Hardware Design	MC 423 Analysis and Synthesis of Mechanisms and Machines MC 431 Manufacturing Science
	AN	CP 431 Pattern Recognition and Image Processing	EL 431 Control Theory	EC 431 Sensors and Transducers	MC 411 Refrigeration and Air-conditioning
Second Day (Sunday) 07.06.2020	FN	CP 415 Database Management Systems CP 435 Software Engineering	EL 414 Power System Performance	EC 415 Computer Networks and Communication EC 425 Software Engineering	MC 421 Design of Mechanical Systems
	AN		EL 424 Electrical Power Utilisation EL 434 Instrumentation Systems	EC 432 Industrial Instrumentation and Computer Control	MC 413 Non-conventional Energy Systems MC 433 Tool and Die Design
Third Day (Monday) 08.06.2020	FN	IC 402 Engineering Management			
	AN	CP 412 / 422 Computer Networks CP 432 Theory of Computation	EL 412 / 422 / 432 Power Electronics	EC 413 Microwave Engineering EC 423 IC Design Techniques EC 433 Biomedical Electronics	MC 412 Power Plant Engineering MC 422 Optimisation-Theory and Applications MC 432 Computer Aided Manufacturing
Fourth Day (Tuesday) 09.06.2020	FN	CP 403 Data Structures	EL 403 Power Systems	EC 403 Communication Engineering	MC 403 Mechanics of Solids
	AN	CP 404 Programming Languages	EL 404 Circuit and Field Theory	EC 404 Circuit Theory and Control	MC 434 Manufacturing Automation
Fifth Day (Wednesday) 10.06.2020	FN	CP 413 / 423 / 433 Operating Systems	EL 413 High Voltage Engineering and Power Apparatus EL 423 Electrical Drives EL 433 Process Control Systems	EC 435 Control Systems	MC 404 Mechanics of Fluids
	AN	CP 405 Pulse and Digital Circuits	EL 405 Electrical Machines	EC 412 Radar and Antenna Engineering EC 422 Pulse and Digital Circuits	MC 415 Turbomachinery MC 425 Computer Aided Engineering Design MC 435 Production Management
Sixth Day (Thursday) 11.06.2020	FN	CP 406 Computer Architecture	EL 406 Measurements and Control	EC 406 Electronic Circuits	MC 406 Manufacturing Technology
	AN	CP 425 Microprocessors and Microcontrollers	EL 415/425/435 Microprocessors and Microcontrollers	EC 405 Microprocessors and Microcontrollers	MC 405 Thermal Science and Engineering
Seventh Day (Friday) 12.06.2020	FN	CP 414 Artificial Intelligence CP 424 / 434 Computer Graphics		EC 414 Optical and Satellite Communication EC 424 Solid State Physics and Semiconductor Devices EC 434 Signal Processing	MC 414 Internal Combustion Engines MC 424 Design of Machine Tools
	AN	CP 407 Systems Analysis and Design	EL 407 Design of Electrical Systems	EC 407 Design of Electronic Devices and Circuits	MC 407 Design of Machine Elements

Programme of Summer 2020 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)
First Day (Saturday) 06.06.2020	FN	MM 411 Mineral Engineering	MN 411 Advanced Mine Ventilation MN 421 Mine Systems Engineering	PR 411 Manufacturing Science PR 421 Facility Planning, Design and Maintenance	TX 411 Advanced Yarn Manufacture
	AN	MM 432 Welding and Allied Processes	MN 431 Advanced Rock Mechanics	PR 431 Materials Management	TX 421 Advanced Fabric Manufacture and Design
Second Day (Sunday) 07.06.2020	FN	MM 412 Fuels, Furnaces and Refractories MM 422 Electrometallurgy and Corrosion	MN 412 Environmental Pollution and Control in Mines MN 422 Economics of Mining Enterprises	PR 425 Work Study and Ergonomics	
	AN		MN 432 Advanced Methods of Mining	PR 413 Tool and Die Design	TX 431 Advanced Chemical Processing and Finishing
Third Day (Monday) 08.06.2020	FN	IC 402 Engineering Management			
	AN	MM 421 / 431 Polymer Materials and Technology	MN 414 / 434 Mine Surveying	PR 412/432 Computer Aided Manufacturing PR 422 Project Management	TX 412 Modern Yarn Production and Control Systems TX 422 Non-woven, Knitting and Industrial Fabrics TX 432 Garment Technology
Fourth Day (Tuesday) 09.06.2020	FN	MM 403 Metallurgical Thermodynamics and Kinetics	MN 403 Mining Geology and Development of Mineral Deposits	PR 403 Mechanics of Solids	TX 403 Textile Fibres and Testing
	AN	MM 404 Extractive Metallurgy	MN 404 Exploitation of Mineral Deposits	PR 404 Manufacturing Automation	TX 404 Yarn Manufacture
Fifth Day (Wednesday) 10.06.2020	FN	MM 413 Ferrous Extractive Metallurgy MM 423/433 Advanced Physical Metallurgy	MN 413 Electrical Equipment and Instrumentation in Mines MN 423 Geostatistics MN 433 Mine Planning and Excavation	PR 423/433 Quality Management	TX 413/423 Engineering Design of Textile Structures TX 433 Chemistry and Technology of Man-made Fibres
	AN	MM 405 Mechanical Behaviour of Materials	MN 405 Mining Machinery and Material Handling	PR 405 Production Management	TX 405 Fabric Manufacture and Design
Sixth Day (Thursday) 11.06.2020	FN	MM 406 Physical Metallurgy	MN 406 Mine Ventilation and Environmental Hazards	PR 406 Manufacturing Technology	TX 406 Chemical Processing and Finishing
	AN	MM 414 Non-ferrous Extractive Metallurgy MM 424 Materials Characterisation MM 434 Foundry Engineering	MN 424 Quality, Reliability and Safety in Mines	PR 415 Inspection and Product Control PR 424 / 434 Operations Research	TX 414/424 Textile Machinery and Maintenance TX 434 Energy Conservation, Environmental and Pollution Control
Seventh Day (Friday) 12.06.2020	FN	MM 415 Instrumentation and Control MM 425 Ceramic Materials MM 435 Mechanical Working Processes	MN 415 / 425 / 435 Mine Management and Legislation	PR 414 Design of Machine Tools PR 435 Operations Planning and Control	TX 415/425/435 Mill Organisation, Process Economics and Quality Control
	AN	MM 407 Metallurgical Design	MN 407 Geomechanics and Mine Design	PR 407 Design of Machine Elements	TX 407 Design and Mechanisms of Textile Machines