LIST OF SUBJECTS FOR Q-EXAMINATION (SCHOOLWISE)

Sl. No.	School	Branch/Discpline	Name of the Subject		
	Compusiory Mathematical	•			
	, , , , , , , , , , , , , , , , , , , ,		Electric Circuits		
			Signals and Systems		
			Electric Machines		
		EE	Control Systems		
			Power Electronics		
	SES		Power Systems		
			Digital Electronics		
		ECE	Signals and Systems		
1			Analog Electronics		
			Analog and Digital Communication		
			Electromagnetics		
			Semiconductor Devices		
			C Programming and Data Structure		
			Design & Analysis of Algorithms		
			Formal Language Automata Theory		
		CSE	Computer Organization and Architecture		
			Operating Systems		
			Computer Networks		
	Compusiony Mathematica	l N Antituda Subject: Mathe	· · ·		
	Compusiory Mathematical Aptitude Subject: Mathematics for Chemists & Mathematics for Bilol				
			Heterocyclic Chemistry		
			Spectroscopy for Chemist		
			Fundamentals of Polymer Chemistry		
			Supramolecular Chemistry		
		Chemistry and BioSciences	Physical Methods in Chemistry		
			Coordination Chemistry		
			Bioinorganic Chemistry		
			Nanochemistry and Technology		
			Quantum Chemistry		
	SBS		Chemical Kinetics		
			Chemical Thermodyanamics		
			Biochemistry		
			Molecular Cell Biology		
			Chemical Biology		
			Mathematics for Chemists		
			Mathematics for Bilologists		
			A Concise History of Chemistry, Medicine, & Life		
			Sciences in Ancient India		
	Compusiory Mathematical Aptitude Subject : Mathematical Aptitude				
	Real Analysis				
	SBS	Mathematics	Complex Analysis		
2			Algebra		
			Linear Algebra		
			Discrete Mathematics		
			Functional Analysis		
			Topology		
			Ordinary and Partial Differential Equations		
			Probability and Statistics		
			Number Theory		
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			Numerical Analysis
	Compusiory M	lathematical Aptitude Subj	ect : Mathematics aptitude for Physics
			Fundamental Classical Mechanics
			Fundamental of Qantum Mechanics
			Basics of Detection and measurement of High
		Physics	energy particle and radiation
			Fundamental of Semiconductor devices
			Numerical Techniques
	SBS		Statistical Mechanics
	3.3		Solid State Physics
			Fundamentals of Atomic Physics
			Fundamentals of Magnetism and
			Supeconductivity
			Fundamentals of Classical Electrodynamics
			Material Characterization
			Optics and Laser
	Compusiory Mathematical	Aptitude Subject : Mather	natics and Statistics
			Sedimentology
		Geology	Geochemistry
			Analytical Methods in Geosciences
			Meteorology and Oceanography
3	SEO&CS		Fluid Dynamics in Earth System Sciences
			Concepts in Earth System Science
		Atmosphere	Organic Geochemistry
			Tropical Climate System
			Physical Oceanography
			Earth System Modelling
	Compusiory Mathematical	Aptitude Subject : Quantit	ative Aptitude & Logical Reasoning
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			Spatial Economics
			Spatial Economics Nuroeconomics
			'
			Nuroeconomics Labour Economics
			Nuroeconomics Labour Economics Experimental Economics
			Nuroeconomics Labour Economics Experimental Economics Ecological Economics
		Economics	Nuroeconomics Labour Economics Experimental Economics
		Economics	Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness
		Economics	Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness
		Economics	Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness Money Banking
		Economics	Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness Money Banking Economics of Natural Resource Conservation Climate Economics and Pllicy
		Economics	Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness Money Banking Economics of Natural Resource Conservation Climate Economics and Pllicy Enegy Economics
		Economics	Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness Money Banking Economics of Natural Resource Conservation Climate Economics and Pllicy Enegy Economics Economics of Rural Development
		Economics	Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness Money Banking Economics of Natural Resource Conservation Climate Economics and Pllicy Enegy Economics
4		Economics	Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness Money Banking Economics of Natural Resource Conservation Climate Economics and Pllicy Enegy Economics Economics of Rural Development Autobiography Studies Science Fiction
4	HSS&M	Economics	Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness Money Banking Economics of Natural Resource Conservation Climate Economics and Pllicy Enegy Economics Economics of Rural Development Autobiography Studies Science Fiction Indian Writings in English
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4	HSS&M		Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness Money Banking Economics of Natural Resource Conservation Climate Economics and Pllicy Enegy Economics Economics of Rural Development Autobiography Studies Science Fiction Indian Writings in English Feminist Writings Postmodern fiction Contemporary Narrative Theory Author/Thinker in Focus Second Language Acquisition and Learning English Language Testing Reading in Scond Language
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4	HSS&M		Nuroeconomics Labour Economics Experimental Economics Ecological Economics Ecological of Happiness Money Banking Economics of Natural Resource Conservation Climate Economics and Pllicy Enegy Economics Economics of Rural Development Autobiography Studies Science Fiction Indian Writings in English Feminist Writings Postmodern fiction Contemporary Narrative Theory Author/Thinker in Focus Second Language Acquisition and Learning English Language Testing Reading in Scond Language Adcanced Congnitive Psychology

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			Laterality			
			Organizational Behaviour			
			Personality			
			Positive Psychology			
	Compusiory Mathematical	Compusiory Mathematical Aptitude Subject : Mathematics				
			Solid Mechanics			
			Theory of Machines			
			Vibrations			
5			Fluid Mechanics			
	SMS	SMS	Thermodynamics			
			Heat Transfer			
			Casting			
			Welding			
			Machining Sciences			
	Compusiory Mathematical Aptitude Subject : Mathematical and Numerical Methods for Materials Engineering					
			Advanced Thermodynamics and Kinetics			
			Principles of Matallurgtical Engineering			
			Principles of Materials Engineering Introduction			
			Mechanical Behaviour of Materials			
			Advanced Physical Metallurgy			
			Powder Materials & Processing			
6			Materials Processing			
	SMM&ME	SMM&ME	Materials Characterization			
	SIVIIVIQIVIL	SIVIIVIQIVIE	Phse Transformation in Materials			
			Functional Oxides: Structure and Propeties			
			Advanced Composites			
			Corrosion Science & Engineering			
			Mineral Beneficiation			
			Ceramic Materials			
			Extractive Metallurgy			
			Transport Phenomena			
			Solidification of metals and alloys			
			Electrochemical Methods in metallurgy			
	Compusiory Mathematical	Aptitude Subject : Applied S	tatistics			
		Environmental Engineering	Water Tretment Engineering			
			Solid Waste Management			
			Wastewater Treatment			
	SIF	Geotechnical Engineering	Mechanics of Soils			
			Ground Improvement			
			Foundation Analysis and Design			
			Soil Dynamics			
		Structural Engineering	Structural Dynamics and Earthquake Engineering			
			Analysis of Structurs			
			Design of Reinforced Concrete and Steel			
7			Structures			
			Mechanics of Solids			
			Concrete Technology			
			Traffic Engineering			
			Transportation Planning			
		Transportation Engineering	l			

		Pavement Materials
		Pavement Design
	Water Resources Engineering	Groundwater Hydrology
		Surface Hydrology
		Open Channel Hydraulics