

**EXAMINATION BRANCH; OSMANIA UNIVERSITY; HYDERABAD – 500 007**

No.006/PG/MS/Exams/2013

Date : 06.05.2013

**M.SC. (CBCS) & M.SC. (NANO SCIENCE) III-SEMESTER (BACKLOG & IMPROVEMENT)****EXAMINATIONS MAY, 2013****TIME TABLE FOR O.U. CAMPUS & CONSTITUENT COLLEGES****TIME : 10.00 A.M. TO 1.00 P.M.**

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Monday 13.05.2013</b>	<b>PAPER-I</b>	APPLIED GEOLOGY APPL. GEO-CHEMISTRY ASTROPHYSICS APPL. ELECTRONICS ASTRONOMY APPL. STATISTICS ANAL. CHEMISTRY  BOTANY  BIOCHEMISTRY BIO-TECHNOLOGY COMPUTER SCIENCE  ENVIRONMENTAL SCI. FORENSIC SCIENCE GEOGRAPHY GENETICS GEOPHYSICS GEO-INFORMATICS INORG. CHEMISTRY  MATHEMATICS APPL. MATHEMATICS MATHS WITH COMP. SCI. MICROBIOLOGY  NUTRITION & DIETETICS NANO SCIENCE ORGANIC CHEMISTRY  PHYSICAL CHEMISTRY  CHEMISTRY (PHARMACO INFORMATICS) PHY. ORGANIC CHEMISTRY  PHARMACUETICAL CHEM. PHYSICS STATISTICS ZOOLOGY	Mineral Exploration Ore Geo-Chemistry & Mineral Deposits Basic Astronomy Digital System Design Galactic Structure and ISM Operations Research - I Sampling, Data Handling & Classical and Atomic Spectral Methods of Analysis (New & Old) Genetics, Cell Bio., Biostatistics Genetics, Cell Bio., Eco.& Phytogeog. (Old) Gene Regulation & Genetic Engg. r-DNA Technology Net (New) Artificial Intelligence (Old) Bio-diversity and Conservation Forensic Chemistry Urban Geography & Planning Recombinant DNA Technology Gravity Methods Urban & Regional Planning Bonding, Group Theory & Its Applications (New & Old) Complex Analysis Viscous Flows Networks Molecular Biology & Microbial Genetics Environ. & Agriculture Microbiology (Old) Food Microbiology Nano Composites Conformational Analysis, Asymmetric Synthesis & Biomolecules (New & Old) Chemical Kinetics, Photochem., Electrochem. & Supramolecular Chemistry Database Management, Sources & Scripting Languages Chemical Kinetics, Catalysis & Electrochemistry Spectroscopy, Photochemistry & Lasers in Chemistry (Old) Chemistry of Pharmacology Modern Optics & Spectroscopy Parametric Inference Instrumentation & Computer Appl. Immunology (Old)
<b>Wednesday 15.05.2013</b>	<b>PAPER-II</b>	APPLIED GEOLOGY APPL. GEO-CHEMISTRY  ASTROPHYSICS	Hydrogeology Energy Resources Ore Geochemistry & Minerals (Old) Stellar Structure & Evolution

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DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
Wednesday 15.05.2013	PAPER-II	APPL. ELECTRONICS ASTRONOMY APPL. STATISTICS ANAL. CHEMISTRY BOTANY          BIOCHEMISTRY BIO-TECHNOLOGY COMPUTER SCIENCE   ENVIRONMENTAL SCI. FORENSIC SCIENCE GEOGRAPHY GENETICS GEOPHYSICS GEO-INFORMATICS INORG. CHEMISTRY  MATHEMATICS   APPL. MATHEMATICS    MATHS WITH COMP. SCI. MICROBIOLOGY NUTRITION & DIETETICS NANO SCIENCE ORGANIC CHEMISTRY PHYSICAL CHEMISTRY <b>CHEMISTRY</b> <b>(PHARMACO INFORMATICS)</b>	Nano Science & Applications Astronomical Techniques Reliability Theory Spectroscopic Methods of Analysis – I A) Biodiversity Taxonomy & Applied Mycology (Spl. Appl. Myco. & Mol. Plant Pathology) B) Carbon Assimilation & Crop Productivity (Spl - Appl. Plt. Phy. & Molecular Biology) C) Cyto Genetics (Spl-Cytogenetics, Gen, & Mol, Genetics) D) Biodiversity of Angiosperms (Spl – Biodiversity of Angio., phytochem. and Biotech. Of Medicinal Plants) E) Actuopalynology (Spl - Appl Palynology Palaeo Phytology) E) Actuopalynology Aeropalynology, Melissopalynology & Forensic Palynology (Old) Immunology & Immunotechnology Industrial Biotechnology Obj. Oriented System Development with UML Water Treatment & Solid Waste Mgt. Forensic Toxicology Agricultural Geography Human Molecular Genetics Electrical Methods Resource Management Molecular Spectroscopy Of Inorganic Compounds Elementary Operator Theory A) Mechanics (Old) B) Analytic Number Theory (Old) Finite Difference Methods A) Compressible Flows (Old) B) Theory of O D E (Old) Mathematical Methods Industrial Microbiology Food Safety & Quality Control Semiconductor, Nano Structures Modern Organic Synthesis Spectroscopy & Lasers Principles of Drug Discovery, Development Drug Targets Pharmaceutical Design, Development & Computer Application (Old)

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Wednesday 15.05.2013</b>	<b>PAPER-II</b>	PHARMACUETICAL CHEM. PHYSICS PHY.ORG.CHEMISTRY  STATISTICS ZOOLOGY	Pharmacokinetics & Therapeutics Nano Science & Applications Thermodynamics, Supramolecular Chemistry & Nano Particles Conformational Analysis, Pericyclic Reactions, Asymmetric Synthesis & Synthetic Strategies (Old) Adv. Design & Anal. of Experiments Immunology A) Helminthology-I (Monogenea, Aspidogastrea, Digenea & Cestoda) (Old) B) Entomology-I (Agricultural Entomology) (Old) C) Comparative Animal Physiology-I (Animal Adaptations to its Habitat-A Comparative Approach) (Old) D) Neuro Science -I (Old)
<b>Monday 20.05.2013</b>	<b>PAPER-III</b>	APPLIED GEOLOGY APPL. GEO-CHEMISTRY  ASTROPHYSICS APPL. ELECTRONICS ASTRONOMY APPL. STATISTICS ANAL. CHEMISTRY  BOTANY    BIOCHEMISTRY BIO-TECHNOLOGY COMPUTER SCIENCE ENVIRONMENTAL SCI. FORENSIC SCIENCE  GEOGRAPHY GENETICS GEOPHYSICS GEO-INFORMATICS INORG. CHEMISTRY  MATHS WITH COMP. SCI. MICROBIOLOGY	Remote Sensing & G I S Environmental Geochemistry Mineral Exploration (Old) Galactic Structure & Interstellar Matter Computer Organization Electronics Forecasting Models Spectroscopy Methods of Analysis-II Chromatographic, Mass Spectrometric and Hyphenated Techniques (Old) A) Field Pathology (Spl.- Myco. & Mol. Plant Pathology) B) Stress Physiology (Spl-Appl. Plt. Phy. and Molecular Biology) C) Genetics (Spl - Cytogenetics, Gen., & Mol, Genetics) D) Cultivation & Post harvest Tech. Of Medicinal Plants (Spl-Biodiversity of Angio, Phytochem. & Biotech. Of Medicinal Plants) E) Aerobiology, Melithopalynology & Forensic Palynology (Spl. - Appl. Palynology, Palaeo Phytology) E) Palaeopalynology & Exploration of Hydrocarbons (Old) Virology, Nutrition & Clinical Bio-Chemistry Bio-Informatics Network Security Remote Sensing & GIS Intellectual property Rights, Entrepreneurship Ethics & Research Methodology Photogrammetry Plant Bio-Technology Signal Processing & Geophysical Inversion Web G I S Organo Metallic Chemistry of Transition Metal Complexes R D B M S with S Q L Environmental & Agriculture Microbiology Medical Bacteriology (Old)

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
Monday 20.05.2013	PAPER-III	MATHEMATICS	A) Mechanics B) Analytic Number Theory A) Operations Research (Old) B) Numerical Techniques (Old) C) Coding Theory
		APPL. MATHEMATICS	A) Compressible Flows B) Theory of O.D.E C) Topology A) Operations Research (Old) B) Numerical Techniques (Old) C) Mechanics of Solids (Old)
		NUTRITION & DIETETICS	Product Development
		NANO SCIENCE	Nano Sensors & Nano Devices
		ORGANIC CHEMISTRY	Organic Spectroscopy, Pericyclic Reactions
		PHYSICAL CHEMISTRY	Quantum Chemistry & Group Theory
		CHEMISTRY (PHARMACO INFORMATICS)	Chemistry of Pharmacology Conformational Analysis, Asymmetric Synthesis & Synthetic Strategies Modern Organic Synthesis (Old)
		PHY.ORG.CHEMISTRY	Analysis by Separation Techniques
		PHARMACUETICAL CHEM.	A) Crystal Physics & Physical Properties (Spl. Solid State Physics)
		PHYSICS	B) Metals & Alloys (Spl. Materials Science) C) Digital Logic Circuits (Spl. Elec. Instrumentation) D) 8051 Micro Controller & Its Applications (Spl. Elec. Communications) E) Molecular Bio-Physics (Spl. Bio-Physics) F) Transmission Lines, Strip Lines & Microwaves Passive Devices (Spl. Microwaves) G) Crystal Physics (Spl. Condensed Matter Physics)
		STATISTICS	Applied Regression Models
		ZOOLOGY	A) Helminthology-I (Monogenea, Aspidogastrea, Digenea & Cestoda) B) Entomology-I (Agricultural Entomology) C) Comparative Animal Physiology-I (Animal Adaptations to its Habitat-A Comparative Approach) D) Fisheries -I (Principles of Fisheries and Fresh Water) E) Neuro Science -I A) Man & Tropical Diseases - I (Old) B) Applied Entomology - I (Sericulture) (Old) C) Agricultural Nematology (Old) E) Applied Toxicology - I (Old) F) Applied Endocrinology - I (Old) (Reproductive Physiology & Endocrinology)

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
Wednesday 22.05.2013	PAPER-IV	APPLIED GEOLOGY	A) Disaster Management B) Watershed Management
		APPLIED GEOCHEMISTRY	Mineral Exploration Techniques
		ASTROPHYSICS	Introduction of Celestial Mechanics
		APPLIED ELECTRONICS	Data Communication & Networking
		ASTRONOMY	Radio Astronomy
		APPLIED STATISTICS	Statistical Process & Quality Control
		ANALYTICAL CHEMISTRY	Separation Methods Applied Methods of Analysis (Old)
		BOTANY	A) Fungal Biotechnology (Spl.- Appl. Myco. & Mol. Plant Pathology) B) Physiology & Molecular Biology of Nitrogen Fixation (Spl-Appl. Plt. Phy. and Molecular Biology)
			C) Phytochemistry & Medicinal Plants (Spl-Biodiversity of Angio, Phytochem. & Biotech. Of Medicinal Plants)
			D) Plant Bio-technology & Genetic Engg. (Spl - Cytogenetics, Gen., & Mol, Gene.)
			E) Palaeopalynology & Exploration of Hydro Carbons (Spl. Appl. Palynology, Palaeophytology)
		BIOCHEMISTRY	Cell – Cell Communication & Signal Transduction Physiology & Xenobiotics (Old)
		BIO-TECHNOLOGY	Agricultural Biotechnology
		COMPUTER SCIENCE	A) Artificial Intelligences & Neural Networks (New & Old) B) Image Processing C) Parallel Programming
		ENVIRONMENTAL SCIENCE	Resource Management
		FORENSIC SCIENCE	Forensic Medicine Legal & Social Aspects of Forensic Sci. (Old)
		GEOGRAPHY	Political Geography
		GENETICS	Genetic Toxicology & Genomic Stability
		GEOPHYSICS	Theory of Fields
		GEO-INFORMATICS	Principles of GPS
		INORG. CHEMISTRY	Photo Chemistry, Thermal, Diffraction & Mass Spectrometry Methods
		MATHEMATICS	A) Operations Research B) Numerical Techniques C) Graph Theory (New) A) Algebraic Number Theory (Old) B) Integral Equations (Old)
		APPL. MATHEMATICS	A) Operations Research B) Numerical Techniques A) Discrete Mathematics (Old) B) Integral Equations (Old) C) Differential Geometry (Old)
		MATHS WITH COMP. SCI.	Software Engineering A) Neural Networks & Fuzzy Logic (Old) B) Elementary Number Theory (Old) C) Operations Research (Old)
MICROBIOLOGY	Medical Bacteriology Genomics (Old)		
NUTRITION & DIETETICS	Advanced Nutrition		
NANO SCIENCE	Molecular Electronics & Bio-Nano Particles		

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Wednesday 22.05.2013</b>	<b>PAPER-IV</b>	ORGANIC CHEMISTRY  PHYSICAL CHEMISTRY PHYSICAL ORG. CHEMISTRY <b>CHEMISTRY (PHARMACO INFORMATICS)</b>  PHARMACUETICAL CHEM. PHYSICS       STATISTICS ZOOLOGY	Photochemistry, Synthetic Strategies & Green Chemistry Bioorganic & Green Chemistry (Old) Polymer Chemistry Modern Organic Synthesis  Computational Chemistry, Molecular Modeling & Its Applications Anatomy & Physiology (Old) Pharmaceutical Design & Development A) Physics of Phonons & Structural Phase Translations - (Spl. Solid State Physics) B) Mechanical Properties of Materials (Spl. Materials Science) C) Microprocessors & Interfacing (Spl. Electronics Instrumentation) D) Digital Transmission Techniques & Information Theory (Spl. Elec. Communications) E) Cell & Membrane Bio-Physics (Spl. Bio-Physics) F) Microwave Active Devices & Circuits (Spl. Microwaves) G) Phenon Based Phenomena (Spl. Condensed Matter Physics) Operations Research A) Man & Tropical Diseases - I B) Applied Entomology - I (Sericulture) C) Agricultural Nematology D) Economic Zoology E) Applied Toxicology - I F) Endocrinology - I (Reproductive Physiology & Endocrinology)
<b>Friday 24.05.2013</b>	<b>PAPER-V</b>	APPL. ELECTRONICS  COMPUTER SCIENCE MATHEMATICS   PHYSICS          APPL. MATHEMATICS	Optical Fibre Communication & Mobile Communication Quantitative Techniques A) Algebraic Number Theory B) Integral Equations C) Differential Geometry A) Band Theory & Electrical Properties (Spl - Solid State Physics) B) Thin Films & Their Properties (Spl. Materials Science) C) Electronic Instrumentation (Spl - Elec. Instrumentation) D) Data & Computer Communications-I (Spl - Electronics Communications) E) Physiological Bio-Physics (Spl - Bio-Physics) F) Signal Conditioning & Processing Techniques (Spl - Microwaves) G) Electrical Transport Phenomena In Solids (Spl. Condensed Matter Physics) A) Discrete Mathematics B) Integral Equations C) Diff. Geometry

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Friday 24.05.2013</b>	<b>PAPER-V</b>	MATHS WITH COMP. SCI. PHARMACUETICAL CHEM.	A) Neural Networks And Fuzzy Logic B) Operations Research New Techniques in Drug Synthesis
<b>Wednesday 29.05.2013</b>	<b>I.D.P. = Inter Disciplinary Paper</b>	APPLIED GEOLOGY APPL. ELECTRONICS  APPL. STATISTICS ANAL. CHEMISTRY BOTANY BIOCHEMISTRY BIO-TECHNOLOGY COMPUTER SCIENCE  ENVIRONMENTAL SCIENCE FORENSIC SCIENCE GEOGRAPHY/ GEO-INFORMATICS GENETICS GEOPHYSICS INORG. CHEMISTRY  MATHEMATICS APPL. MATHEMATICS MATHS WITH COMP. SCI. MICROBIOLOGY NUTRITION & DIETETICS ORGANIC CHEMISTRY  PHYSICAL CHEMISTRY  <b>CHEMISTRY (PHARMACO INFORMATICS)</b> PHY.ORG.CHEMISTRY PHARMACUETICAL CHEM.  PHYSICS  STATISTICS ZOOLOGY	Watershed Management (I.D.P.- 2) Fundamentals of Semiconductor Devices & Applications (I.D.P.- 1) Basic Statistics (I.D.P.- 1) Analytical Techniques (I.D.P.- 3) Horticulture (I.D.P.- 1, 2, & 3) Biocatalysis, Cell Biology & Tech. (I.D.P.- 1) Basic Concepts of Genetics (I.D.P.- 1, 2 & 3) Fundamental of Information Technology (Obj. To Impart Basic Knowledge about Computers ) (I.D.P.- 1 & 3) Environmental Education & Mgt. (I.D.P.- 1) Forensic Chemistry (I.D.P.- 1)  Environmental Geography (I.D.P.- 1) Principles of Genetics (I.D.P.- 1) Introduction to Geophysics (I.D.P.- 1) A) Analytical Techniques (I.D.P.- 1 & 3) B) Analytical Chemistry (I.D.P.- 2) Basic Mathematics (I.D.P.- 1) Basic Mathematics (I.D.P.- 1 & 2) Basic Mathematics (I.D.P.- 1) Microbiology & Human Health (I.D.P.- 1) Nutrition for Health & Fitness (I.D.P.- 3) A) Analytical Techniques (I.D.P.- 1 & 3) B) Analytical Chemistry (I.D.P.- 2) A) Analytical Techniques (I.D.P.- 1) B) Analytical Chemistry (I.D.P.- 2) Analytical Chemistry (I.D.P.- 2)  Analytical Chemistry (I.D.P.- 2) Biopharmaceutical Chemistry & Pharmacodynamics A) Basics of Nano Science (I.D.P.- 1 & 3) B) Basic of Data Communication Net Working (I.D.P.- 2) Basic Statistics (I.D.P.- 1) Economic Zoology (I.D.P.- 1,2 & 3)
<b>Thursday 30.05.2013</b>	<b>Compulsory add on course paper</b>	<b>Time : 10.00 a.m. to 12.00 noon</b>	Personality Development

**NOTE** : Any Clash or omission in the Subjects/Titles in the Time-Table may be brought to the notice of the Controller of Examinations.

Sd/-

A C O E (PG)

Sd/-

CONTROLLER OF EXAMINATIONS

**EXAMINATION BRANCH; OSMANIA UNIVERSITY; HYDERABAD – 500 007**

No.006/PG/MSc/Exams/2013

Date : 06.05.2013

**M.SC. (NON-CBCS) III-SEMESTER (BACKLOG & IMPROVEMENT)****EXAMINATIONS MAY, 2013****TIME TABLE****TIME : 10.00 A.M. TO 1.00 P.M.**

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Monday 13.05.2013</b>	<b>PAPER-I</b>	APPL. ELECTRONICS APPL. STATISTICS ANAL. CHEMISTRY  BOTANY BIOCHEMISTRY BIO-TECHNOLOGY COMPUTER SCIENCE  ELECTRONICS GENETICS INORG. CHEMISTRY MATHEMATICS APPL. MATHEMATICS MATHS WITH COMP. SCI. MICROBIOLOGY NUTRITION & DIETETICS ORGANIC CHEMISTRY  PHYSICAL CHEMISTRY  PHARMACEUTICAL CHEM. PHYSICS STATISTICS ZOOLOGY	Digital System Design (New & Old) Operations Research - I Sampling, Data Handling, Classical Methods of Analysis Cell Bio., Genetics, Eco.& Phytogeography Molecular Biology r-DNA Technology Dot Net Quantitative Techniques (Old) Digital System Design using VHDL Recombinant DNA Tech. Bonding, Group Theory & Its Appl. Complex Analysis Finite Difference Methods Mathematical Methods Molecular Biology & Microbial Genetics Food Microbiology Conformational Analysis Pericyclic Reaction and Enzymes Chemical Kinetics, photochemistry & Surface Chemistry Chirotechnology (Old) Solid State Physics - II (New & Old) Parametric Inference Instrumentation & Computer Applications in Biology
<b>Wednesday 15.05.2013</b>	<b>PAPER-II</b>	APPL. ELECTRONICS APPL. STATISTICS ANAL. CHEMISTRY BOTANY          BIOCHEMISTRY  BIO-TECHNOLOGY COMPUTER SCIENCE ELECTRONICS GENETICS	Computer Organization (New & Old) Statistical Process & Quality Control Spectroscopic Methods of Analysis A) Applied Mycology (Spl. Appl. Myco. and Mol. Plant Pathology) B) Carbon Assimilation & Crop Productivity (Spl - Appl. Plt. Phy. & Molecular Biology) C) Biodiversity of Angiosperms (Spl - Biodiversity of Anglo., Med, Bot & Pharma.) D) Cyto Genetics (Spl-Cytogenetics, Gen, & Mol, Genetics) Regulation of Gene Expression & Genetic Engineering Industrial Biotechnology Artificial Intelligence Data & Computer Communications Genetics of Crop Improvement



DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Wednesday 15.05.2013</b>	<b>PAPER-II</b>	INORG. CHEMISTRY  MATHEMATICS APPL. MATHEMATICS MATHS WITH COMP. SCI. MICROBIOLOGY NUTRITION & DIETETICS ORGANIC CHEMISTRY  PHYSICAL CHEMISTRY  PHY.ORG.CHEMISTRY PHARMACUETICAL CHEM. PHYSICS STATISTICS ZOOLOGY	Molecular Spectroscopy Of Inorganic Compounds Elementary Operation Theory Viscous Flows Networks Industrial Microbiology Food Safety & Quality Control Asymmetric Synthesis & Synthesis Strategies & Heterocyclics Thermodynamics, Solid State, Liquid State & Electrochemistry Spectroscopy & Photochemistry (Old) Chem. of Pharmacology (Old) Modern Optics & Spectroscopy Design And Analysis Of Experiments Immunology
<b>Monday 20.05.2013</b>	<b>PAPER-III</b>	APPL. ELECTRONICS APPL. STATISTICS ANAL. CHEMISTRY  BOTANY      BIOCHEMISTRY BIO-TECHNOLOGY COMPUTER SCIENCE  ELECTRONICS GENETICS INORG. CHEMISTRY  MATHEMATICS  APPL. MATHEMATICS  MATHS WITH COMP. SCI. MICROBIOLOGY NUTRITION & DIETETICS ORGANIC CHEMISTRY PHYSICAL CHEMISTRY  PHARMACEUTICAL CHEM.	Data & Comp. Communications(New & Old) Forecasting Models Chromatographic, Spectrometric, Hyphenated Techniques A) Field Pathology (Spl.- Appl. Myco. & Mol. Plant Pathology) B) Stress physiology (Spl-Appl. Plt. Phy. and Molecular Biology) C) Cultivation & Post harvest Tech. Of Medicinal Plants (Spl-Biodiversity of Angio, Phytochem. & Biotech. Of Medicinal Plants) D) Genetics (Spl - Cytogenetics, Gen., & Mol, Genetics) Biochemical Genetics Immunology Object Oriented System Development with UML Embedded Sys. & Applications Human Genetics Organ Metallic Chemistry of Transition Metal Complexes A) Mechanics B) Analytical Number Theory C) Operations Research A) Compressible Flows B) Differential Geometry C) Operations Research Software Engineering Soil Microbiology Product Development Modern Organic Synthesis Quantum Chemistry, Group Theory & Supramolecular Chemistry Pharmacokinetics & Pharmacodynamics (Old)

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Monday 20.05.2013</b>	<b>PAPER-III</b>	PHYSICS (All Papers New & Old)	A) Crystal Physics (Spl. Condensed Matter Physics) B) Digital Logic Circuits – (Spl. Elec. Instrumentation) C) 8051 Micro Controller & Its Applications (Spl. Electronics Communications) D) Optoelectronics - I (Spl. Optoelectronics) E) Metals And Alloys And The Phase Diagram (Spl. Materials Science) F) Crystal Physics & Physical Properties (Spl. Solid State Physics) Applied Regression Models A) Agricultural Entomology - I B) Fisheries – I C) Comparative Animal Physiology – I
<b>Wednesday 22.05.2013</b>	<b>PAPER-IV</b>	APPL. ELECTRONICS APPL. STATISTICS ANAL. CHEMISTRY BOTANY  BIOCHEMISTRY BIO-TECHNOLOGY  COMPUTER SCIENCE ELECTRONICS GENETICS INORG. CHEMISTRY  MATHEMATICS  PHYSICS (All Papers New & Old)	Tele Transmission Systems (New & Old) Java Programming Environ., Clinical & Food Analysis A) Environmental Mycology (Spl - Appl Myco. & Mol. Plant Pathology) B) Plant Tissue Culture & Biotech. (Spl - Appl. Plt. Phy. & Mole. Bio.) C) Phytochem. & Medicinal Plants (Spl-Biodiversity of Angio, Phytochem. & Biotech. of Medicinal Plants) D) Biotechnology (Spl - Cytogenetics, Gen., & Mol, Genetics) (New & Old) Biochemical techniques Intellectual property Rights Entrepreneurship ethics & Research Methodology Network Security Mobile Communications Plant Biotechnology Photochemistry of Coordination Compounds & Spectroscopic Tech. A) Commutative Rings B) Integral Equations C) Coding Theory A) Phenon based Phynomena (Spl. Condensed Matter Physics) B) Microprocessors & Interfacing (Spl. Elec. Instrumentation) C) Digital transmission Techniques & Information Theory (Spl. Electronics Communications) D) Semiconductor Optoelectronics - I (Spl. Optoelectronics) E) Mechanical Properties of Materials (Spl. Materials Science) E) Semiconductor Optoelectronics-II (Spl. Optoelectronics) (Old) F) Physics Of Phonons & Structural Phase Transitions (Spl. Solid State Physics) <b>G) Appl. Numerical Methods-I</b> <b>(Spl. Computational Physics) (Old)</b>

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Wednesday 22.05.2013</b>	<b>PAPER-IV</b>	APPL. MATHEMATICS  MATHS WITH COMP. SCI. MICROBIOLOGY NUTRITION & DIETETICS ORGANIC CHEMISTRY PHYSICAL CHEMISTRY PHARMACEUTICAL CHEM. STATISTICS ZOOLOGY	A) Theory Of Ordinary Diff. Equations B) Computational Biology C) Mechanics Ff Solids RDBMS Medical Bacteriology Advanced Nutrition Spectroscopy & Photochemistry Spectroscopy & Diffraction Techniques Analysis by Separation Tech. (Old) Operations Research A) Appl. Entomology (Seri.) - I B) Economic Zoology - I C) Appl. Endocrinology - I (Reproductive Physiology & Endocrinology) D) Agriculture Nematology - I E) Applied Toxicology - I F) Man & Tropical Diseases - I G) Helminthology
<b>Friday 24.05.2013</b>	<b>PAPER-V</b>	APPL. ELECTRONICS APPL. MATHEMATICS  COMPUTER SCIENCE  ELECTRONICS MATHEMATICS  MATHS WITH COMP. SCI.  PHARMACEUTICAL CHEM.  PHYSICS (All Papers New & Old)	Microwave Systems A) Integral Equations B) Discrete Mathematics C) Numerical Techniques A) Neural Net Works & Fuzzy Logic B) Image Processing C) Parallel Programming Electronics Instrumentation A) Algebraic Number Theory B) Appls. Of Functional Analysis C) Numerical Techniques A) Neural Networks And Fuzzy Logic B) Design Analysis & Algorithms C) Operations Research D) Topology Pharmaceutical Design & Development and Molecular Modeling (Old) A) Electronics Instrumentation (Spl - Elec. Instrumentation) B) Data & Computer Communications - I (Spl - Electronics Communications) C) Optoelectronics Devices, Sources & Detectors D) Semiconductor Optoelectronics - II (Spl - Optoelectronics) (Old) E) Thin Films their Properties (Spl - Materials Science) F) Signal Conditioning & Processing Techniques (Spl - Microwaves) G) Band Theory & Electrical Properties (Spl - Solid State Physics)

**NOTE : Any Clash or omission in the Subjects/Titles in the Time-Table may be brought to the notice of the Controller of Examinations.**

Sd/-

**A C O E (PG)**

Sd/-

**CONTROLLER OF EXAMINATIONS**

**M.SC. (CBCS & Non-CBCS) and M.SC. (NANO SCIENCE)**  
**I-SEMESTER (BACKLOG & IMPROVEMENT) EXAMINATIONS MAY, 2013**

**TIME TABLE**  
**TIME : 10.00 A.M. TO 1.00 P.M.**

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Tuesday 14.05.2013</b>	<b>PAPER-I</b>	GEOLOGY ASTROPHYSICS/PHYSICS/ } APPLIED ELECTRONICS APPL.GEO-CHEMISTRY ASTRONOMY APPL. STATISTICS BOTANY BIOCHEMISTRY BIOTECHNOLOGY CHEMISTRY (Common) ELECTRONICS ENVIRONMENTAL SCI. FORENSIC SCIENCE GEOGRAPHY GENETICS GEOPHYSICS GEO-INFORMATICS MATHS/APPL. MATHS/ } MATHS WITH COMP. SCI. MICROBIOLOGY NUTRITION & DIETETICS NANO SCIENCE PHARMACEUTICAL CHEM. STATISTICS ZOOLOGY COMPUTER SCIENCE	Crystallography, Mineralogy and Optical mineralogy Mathematical Physics (New) Mathematical Phy. & Numerical Methods (Old) Essentials of Geology Basic Physics Linear Algebra And Linear Models Biology & Diversity Of Lower Plants-I Chemistry & Metabolism of Protein & Lipids Chemistry of Bio-Molecules (Non-CBCS) Genetics Inorganic Chemistry Mathematical Physics & Circuits Analysis (Non-CBCS) Environmental Chemistry Criminal Justice Sys. & Forensic Science Geomorphology Genetic Analysis Applied Mathematics Introduction to Geo-informatics Algebra General Microbiology Nutritional Biochemistry Mathematical Physics Basic of Pharmaceu. Chem. (Old) Mathematical Analysis & Linear Algebra Principles of Taxonomy and Functional Anatomy of Invertebrates Discrete Mathematical Structure
<b>Saturday 18.05.2013</b>	<b>PAPER-II</b>	GEOLOGY ASTROPHYSICS/PHYSICS } APPLIED ELECTRONICS APPL.GEO-CHEMISTRY ASTRONOMY BOTANY BIOCHEMISTRY BIOTECHNOLOGY CHEMISTRY (Common) ELECTRONICS ENVIRONMENTAL SCI. FORENSIC SCIENCE GEOGRAPHY GENETICS	Structural Geology & Geo-Tectonics Classical Mechanics – I (New & Old) Fundamental of Geochemistry Differential Equations & Special Functions Bryophyta & Pteridophyta (Living & Fossils) Chemistry Metabolism of Carbohydrates, Nucleic Acids & Vitamins Vitamins & Endocrine Biochem. (Non-CBCS) Cell Biology Organic Chemistry E M Theory & Transmission on Lines (Non-CBCS) Climatology and Softy management Analytical Chemistry Social and Population Geography Cytogenetics and Bio-Chemistry Cytogenetics (Non-CBCS)

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Saturday 18.05.2013</b>	<b>PAPER-II</b>	GEOPHYSICS GEO-INFORMATICS MATHS/ APPL. MATHS/ MATHS WITH COMP. SCI. } MICROBIOLOGY  NUTRITION & DIETETICS NANO SCIENE PHARMACEUTICAL CHEM. STATISTICS/ APPL.STATISTICS ZOOLOGY COMPUTER SCIENCE	Basic Geology Physical & Socio Economic Environment Real Analysis  Virology Molecular Biology, Microbial Genetics (Old) Nutrition in Health Quantum Mechanics Pharmaceutical Inorg. & Analytical Chem. Probability Theory Genetics and Bio-Statistics Modern Operating System
<b>Tuesday 21.05.2013</b>	<b>PAPER-III</b>	GEOLOGY ASTROPHYSICS/PHYSICS/ } APPLIED ELECTRONICS APPL.GEO-CHEMISTRY ASTRONOMY BOTANY  BIOCHEMISTRY  BIOTECHNOLOGY CHEMISTRY (Common) ELECTRONICS ENVIRONMENTAL SCI.  FORENSIC SCIENCE GEOGRAPHY GENETICS  GEOPHYSICS GEO-INFORMATICS MATHEMATICS  APPL. MATHEMATICS MATHS WITH COMP. SCI. MICROBIOLOGY  NUTRITION & DIETETICS NANO SCIENCE PHARMACEUTICAL CHEM.  STATISTICS APPL. STATISTICS ZOOLOGY COMPUTER SCIENCE	Paleontology and Stratigraphy Quantum Mechanics - I (New & Old)  Mineral Geochemistry Basic Astronomy Taxonomy of Angiosperms & Medicinal Botany Bio-Analytical Techniques Bioenergetics & Bio-membranes (Non-CBCS) Biochemistry Physical Chemistry Digital System Design (Non-CBCS) Air Pollution & Control Environmental Pollution (Old) Instrumental Methods of Analysis Geographical Thought Microbial Genetics Biological Chemistry (Non-CBCS) Electronics and Instrumentation Fundamentals of Remote Sensing Discrete Mathematics Topology (Non-CBCS) Complex Analysis Discrete Mathematics Research Methodology & Techniques Biometry & Computers (Non-CBCS) Principles of Dietetics Physics of Materials Reagents & Reaction Mechanisms in Pharm.cal. Synthesis (Old) Distribution Theory Distribution Theory & Estimation Physiological Chemistry Microprocessors & Microcontrollers
<b>Thursday 23.05.2013</b>	<b>PAPER-IV</b>	GEOLOGY ASTROPHYSICS/ } PHYSICS/ APPL.ELEC.  APPL.GEO-CHEMISTRY  ASTRONOMY BOTANY	Geomorphology & Field Geology C Program.& Numerical Methods (New) Comp. Program. in C & Metlab (Non-CBCS) Solid State Physics-I (Old) Geomorphology & Remote Sensing Remote Sensing & GIS (Old) Introduction to Celestial Mechanics Plant Biochemistry

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Thursday 23.05.2013</b>	<b>PAPER-IV</b>	BIOCHEMISTRY  BIOTECHNOLOGY  CHEMISTRY (Common)  ELECTRONICS ENVIRONMENTAL SCI.  FORENSIC SCIENCE GEOGRAPHY  GENETICS  GEOPHYSICS GEO-INFORMATICS MATHEMATICS APPL. MATHEMATICS MATHS WITH COMP. SCI  MICROBIOLOGY NUTRITION & DIETETICS NANO SCIENCE PHARMACEUTICAL CHEM. STATISTICS APPL. STATISTICS ZOOLOGY COMPUTER SCIENCE	Bioenergetics & Cell Biology (CBCS) Bio-Physical & Miscellaneous Methods (Non-CBCS) Microbiology (CBCS) Communication Skills, Basics of Computers, Cyber Crime (Non-CBCS) Analytical Tech. & Spectroscopy-I Mathematics, Biology & Spectroscopy (Non-CBCS) Microwaves & Antenna Systems (Non-CBCS) Environmental, Instrumentation & Analytical Methods Computer Basics & Cyber Crime Regional Geography of India with Special Ref. of A.P. Biometry & Population Genetics Microbial Genetics (Non-CBCS) Physics of the Earth Principles of Cartography Elementary Number Theory Mechanics Operating Systems Computer Organization (Non-CBCS) Bio-Chemistry Human Physiology Basic Electronics Spectroscopy-I Theory of Estimation Sampling Theory and Surveys Environmental Biology Software Engineering
<b>Saturday 25.05.2013</b>	<b>PAPER-V</b>	ASTROPHYSICS/PHYSICS/ APPL.ELECTRONICS } ELECTRONICS  MATHS/ APPL. MATHS MATHS WITH COMP. SCI. NANO SCIENCE PHARMACEUTICAL CHEM. COMPUTER SCIENCE	Electronics - I (Semi Conductor Electronics) (New & Old) C Language and Data Structures (Non-CBCS) Mathematical Methods Object Oriented Programming through C++ Basic Electronics (Old) Mathematics, Computer Application Computer Graphics
<b>Friday 31.05.2013</b>	<b>Compulsory Add on Course Paper</b>	<b>Time : 10.00 a.m. to 12.00 noon</b>	Communicative English and Soft Skills

**NOTE : Any Clash or omission in the Subjects/Titles in the Time-Table may be brought to the notice of the Controller of Examination**

Sd/-

**A C O E (PG)**

Sd/-

**CONTROLLER OF EXAMINATIONS**

**EXAMINATION BRANCH; OSMANIA UNIVERSITY; HYDERABAD – 500 007**

No. 006/PG/MSc/Exams/2013

Date : 06.05.2013

**M.Sc. (Applied Electronics & Physics - CBCS)**  
**III-Semester (Backlog & Improvement for the Academic Year 2009-2011 Students only)**  
**Examinations May, 2013**  
**Time Table For Campus & Constituent Colleges only**  
**TIME : 10.00 A.M. TO 1.00 P.M.**

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Monday 13.05.2013</b>	<b>Paper-I</b>	APPLIED ELECTRONICS PHYSICS	Digital System Design Modern Optics & Spectroscopy
<b>Monday 20.05.2013</b>	<b>Paper-II</b>	APPLIED ELECTRONICS PHYSICS	Computer Organization A) Crystal Physics & Physical Properties (Spl. Solid State Physics) B) Metals & Alloys (Spl. Materials Science) C) Digital Logic Circuits (Spl. Elec. Instrumentation) D) 8051 Micro Controller & Its Applications (Spl. Elec. Communications) E) Molecular Bio-Physics (Spl. Bio-Physics) F) Transmission Lines, Strip Lines & Microwaves Passive Devices (Spl. Microwaves) G) Crystal Physics (Spl. Condensed Matter Physics)
<b>Wednesday 22.05.2013</b>	<b>Paper-III</b>	APPLIED ELECTRONICS PHYSICS	Data Communication & Net Working A) Physics of Phonons & Structural Phase Translations - (Spl. Solid State Physics) B) Mechanical Properties of Materials (Spl. Materials Science) C) Microprocessors & Interfacing (Spl. Electronics Instrumentation) D) Digital Transmission Techniques & Information Theory (Spl. Elec. Communications) E) Cell & Membrane Bio-Physics (Spl. Bio-Physics) F) Microwave Active Devices & Circuits (Spl. Microwaves) G) Phenon Based Phenomena (Spl. Condensed Matter Physics)

CONTD....2

DAY & DATE	PAPER	SUBJECT	TITLE OF THE PAPER
<b>Friday 24.05.2013</b>	<b>Paper-IV</b>	APPL. ELECTRONICS  PHYSICS	Optical Fibre Communication & Mobile Communication A) Band Theory & Electrical Properties (Spl – Solid State Physics) B) Thin Films & Their Properties (Spl. Materials Science) C) Electronic Instrumentation (Spl - Elec. Instrumentation) D) Data & Computer Communications-I (Spl - Electronics Communications) E) Physiological Bio-Physics (Spl – Bio-Physics) F) Signal Conditioning & Processing Techniques (Spl - Microwaves) G) Electrical Transport Phenomena In Solids (Spl. Condensed Matter Physics)
<b>Wednesday 29.05.2013</b>	<b>I.D.P. = Inter Disciplinary Paper</b>	APPL. ELECTRONICS  PHYSICS	Fundamentals of Semiconductor Devices & Applications (I.D.P.- 1) A) Basics of Nano Science (I.D.P.- 1 & 3) B) Basic of Data Communication Net Working (I.D.P.- 2)
<b>Thursday 30.05.2013</b>	<b>Compulsory Add on Course Paper</b>	<b>TIME : 10.00 AM to 12.00 Noon</b>	Personality Development

**NOTE** : Any Clash or omission in the Subjects/Titles in the Time-Table may be brought to the notice of the Controller of Examinations.

Sd/-

CONTROLLER OF EXAMINATIONS



No.006/PG/MSc/Exams/2013

Date : 06.05.2013

**M. Sc. (Chemistry) Five Years Integrated Course III, V, VII & IX-Semesters  
(Backlog & Improvement) Examinations May, 2013  
Time Table**

**III-Semester**

**TIME : 10.00 A.M. to 1.00 P.M.**

DAY	DATE	PAPER	TITLE OF THE PAPER
Tuesday	14.05.2013	<b>I</b>	Communicative English -III
Saturday	18.05.2013	<b>II</b>	Computers - I
Tuesday	21.05.2013	<b>III</b>	Biotechnology - I
Friday	24.05.2013	<b>IV</b>	Chemistry - V
Thursday	30.05.2013	<b>V</b>	Chemistry - VI
Friday	31.05.2013	<b>VI</b>	Psychological Skills

**V-Semester**

**TIME : 10.00 A.M. to 1.00 P.M.**

DAY	DATE	PAPER	TITLE OF THE PAPER
Tuesday	14.05.2013	<b>I</b>	Inorganic Chemistry
Monday	20.05.2013	<b>II</b>	Organic Chemistry
Monday	27.05.2013	<b>III</b>	Physical Chemistry
Friday	31.05.2013	<b>IV</b>	Analytical Techniques and Spectroscopy

**Contd...2**

**VII-Semester**

**TIME : 10.00 A.M. to 1.00 P.M.**

<b>DAY</b>	<b>DATE</b>	<b>PAPER</b>	<b>TITLE OF THE PAPER</b>
Wednesday	15.05.2013	<b>I</b>	Inorganic Chemistry
Wednesday	22.05.2013	<b>II</b>	Organic Chemistry
Saturday	25.05.2013	<b>III</b>	Physical Chemistry
Wednesday	29.05.2013	<b>IV</b>	Analytical Chemistry

**IX-Semester**

**TIME : 10.00 A.M. to 1.00 P.M.**

<b>DAY</b>	<b>DATE</b>	<b>PAPER</b>	<b>TITLE OF THE PAPER</b>
Saturday	18.05.2013	<b>I</b>	Research, Methodology & Manuscript Writing
Monday	27.05.2013	<b>II</b>	A) Organo Metallic Chemistry of Transition Metal Complexes B) Bio-Organic Chemistry C) Catalysis

NOTE : Any Clash or omission in the Subjects/Titles in the Time-Table may be brought to the notice of the Controller of Examinations.

Sd/-

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