

18

ANDHRA UNIVERSITY
B.Sc. (CBCS) SEMESTER PATTERN
DEGREE EXAMINATIONS : MARCH/APRIL 2019

SIXTH SEMESTER
REVISED TIME-TABLE

Thursday 14 th March 2019 9 am to 12noon	<p><u>CHEMISTRY</u> Elective Paper VII(A) Analytical Methods in Chemistry Elective Paper VII(B) Environmental Chemistry Elective Paper VII(C) Green Chemistry</p>	75
	<p><u>HUMAN GENETICS</u> Elective Theory VII-A Basics of Human Biology Elective Theory VII-B Human Genome Project and Genomes Elective Theory VII-C Molecular Techniques in Genetic Engineering</p>	75
	<p><u>ECONOMICS</u> Elective Theory VII-A Agricultural Economics</p>	75
Friday 15 th March 2019 9am to 12noon	<p><u>FISHERIES</u> Elective Paper VII-A Postharvest Technology</p>	75
	<p><u>Geology</u></p>	75
	<p><u>BIO-TECHNOLOGY</u> Elective Paper: VII(A) Plant and Animal Biotechnology Elective Paper: VII (B) Environmental Biotechnology Elective Paper: VII(C) Industrial Biotechnology (Elective Theory)</p>	75
	<p>AGRICULTURE Paper VII: Elective –A Extension</p>	75
	<p><u>ELECTRONICS</u> Paper VII(A) Electronic Instrumentation(Elective) Paper VII(B) Microcontroller and Interface (Elective) Paper VII(C) Modern Communication Systems (Elective)</p>	75
	<p><u>Horticulture</u> Paper VII Plantation Crops and Weed Management</p>	75
Saturday 16 th March 2019 9am to 12noon	<p><u>MICROBIOLOGY</u> Elective Paper VII(A) Food and Industrial Microbiology Elective Paper VII(B) Microbial Biotechnology Elective Paper VII(C) Microbial Quality Control Instrumentation and biotechniques</p>	75
	<p><u>STATISTICS</u> (Common with B.A. & B.Sc.) with math combination Elective Paper – VII(A) Applied Statistics Elective Paper – VII(B) Demography and Vital Statistics</p>	75
Tuesday 19 th March 2019 9am to 12noon	Anthropology	75
Wednesday 20 th March 2019 9am to 12noon	Geography	75

Thursday
21st March 2019
9 am to 12noon

Paper VIII

2
8

75

CLUSTER ELECTIVES-1(A-1, B1 & C1)

MATHEMATICS (Common for B.A & B.Sc)

Cluster Elective VIII-A-1 Integral Transforms
Cluster Elective VIII-B-1 Principles of Mechanics
Cluster Elective VIII-C-1 Graph Theory

PHYSICS

Cluster Elective Paper VIII-A-1-Introduction to Microprocessors & Microcontrollers
Cluster Elective Paper VIII-B-1 Fundamentals of Nanoscience
Cluster Elective Paper VIII-C-1 Solar Thermal and Photovoltaic Aspects

CHEMISTRY

Cluster Electives – I Paper VIII-A-1 Polymer Chemistry
Paper VIII-B-1 Fuel Chemistry & Batteries
Paper VIII-C-1 Organic Spectroscopic Techniques

BOTANY

VIII-A-1 Theory Plant diversity and human welfare
VIII -B-1 Biological Instrumentation and Methodology

ZOOLOGY

Cluster Elective Paper VIII A-1 Clinical Biochemistry
Cluster Elective Paper VIII B-1 Principles of Aquaculture
Cluster Elective Paper VIII C-1 General Sericulture Mulberry Cultivation and Management

COMPUTER SCIENCE

Paper VIII Elective A 1 Foundations of Date Science
Paper VIII Elective B-1 Distributed Systems
Paper VIII Elective –C-1 PHP-MySQL , Wordpress

ELECTRONICS

Paper VIII-A-1-Electronics Circuits and PCB Designing
Paper VIII-B-1-Embedded Systems
Paper VIII -C-1 Digital Signal Processing

BIO-CHEMISTRY

Cluster Theory VIII-(A-1) Molecular biology
Cluster Theory VIII-(B-1) Cell Biology-1
Cluster Theory VIII-(C-1) Diagnostic Biochemistry

3
8

BIO-TECHNOLOGY

Cluster Elective – I VIII-A (1) Nutritional Biotechnology
Cluster Elective –II VIII-B-1-(1) Tissue culture
Cluster Electives –III VIII-C-1- Cell Biology

MICROBIOLOGY

Cluster Elective VIII-A (1) Industrial Microbiology
Cluster Elective VIII –B (1) r DNA Technology
Cluster Elective VIII – C (1) Biostatistics and
Bioinformatics

STATISTICS

VIII (A1) Optimization Techniques
VIII-B (1) Advanced Experimental Design

AGRICULTURE

(Cluster A-1) Paper VIII (Forestry and Organic Farming)
Forestry – I

HUMAN GENETICS

Cluster Theory VIII-A(1) Molecular Pathology in Human
Diseases
Cluster Theory VIII-B(1) Molecular Genetics
Cluster Theory VIII-C(1) Clinical Genetics & Genetic
Counseling

FISHERIES

Cluster Elective Paper VIII A 1 Fishery Economics and
Extension

NUTRITION

Cluster Elective Paper VIII A 1 Applied Life Sciences

Horticulture

Paper VIII(A) Medicinal and Aromatic Crops (Elective)
Paper VIII(B) Horticulture, Farm Finance and Marketing
(Elective)

GEOLOGY

ECONOMICS

ANTHROPOLOGY

GEOGRAPHY

Friday
22nd March 2019
9 am to 12noon

75

Paper VIII

CLUSTER ELECTIVES-2 (A2,B2 & C2)

MATHEMATICS (Common for B.A & B.Sc)

Cluster Elective VIII-A-2 Advanced Numerical Analysis
Cluster Elective VIII-B- 2 Fluid Mechanics
Cluster Elective VIII-C-2 Applied Graph Theory

PHYSICS

Cluster Elective Paper VIII-A-2 Computational Physics and Programming
Cluster Elective Paper VIII-B-2 Synthesis and Characterization of Nanomaterials
Cluster Elective Paper VIII-C-2 Wind, Hydro and Ocean Energies

CHEMISTRY

Paper VIII-A-2 Instrumental Methods of Analysis
Paper VIII-B-2 Inorganic Materials of Industrial Importance
Paper VIII-C-2 Advanced Organic Reactions

BOTANY

VIII-A-2 Theory Ethno botany and medicinal Botany
VIII -B-2 Mushroom culture and Technology

ZOOLOGY

Cluster Elective Paper VIII A-2 Haematology
Cluster Elective Paper VIII B-2 Aquaculture Management
Cluster Elective Paper VIII C-2 Biology of Mulberry silk worm and Silk worm Rearing Technology

COMPUTER SCIENCE

Paper VIII Elective A 2 Big Date Technology
Paper VIII Elective B-2 Cloud Computing
Paper VIII Elective-C-2
VIII Advanced Java Script: JQUERY/AJAX/JSON/
Angular JS

ELECTRONICS

Paper VIII-A-2- Bio Medical Instrumentation
Paper VIII-B-2-Basic VLSI Design
Paper VIII -C-2- Transmission Lines, Antenna and Wave Propagation

BIO-CHEMISTRY

- Cluster Theory VIII-(A-2) R DNT Technology
- Cluster Theory VIII-(B-2) Cell Biology-2
- Cluster Theory VIII-(C-2) Clinical Biochemistry

BIO-TECHNOLOGY

- Cluster Elective -I VIII-A(2) Food Biotechnology
- Cluster Elective -II VIII-B (2) Industrial Biotechnology
- Cluster Elective - III VIII-C (2) Gene Biotechnology

MICROBIOLOGY

- Cluster Elective VIII- A(2)Food Microbiology
- Cluster Elective VIII -B (2) Microbes in Sustainable Agriculture
- Cluster Elective VIII -C (2) Bio safety and Intellectual property Right

STATISTICS

- VIII A(2) Operations Research
- VIII-B (2) Actuarial Statistics

AGRICULTURE

- Cluster A-2- Paper VIII (Forestry and organic Farming) Forestry - II

HUMAN GENETICS

- Cluster Theory VIII-A(2) Cytogenetics
- Cluster Theory VIII-B(2) Human Biochemical Genetics
- Cluster Theory VIII-C(2) Laboratory Diagnosis in Genetics

FISHERIES

- Cluster Elective Paper VIII A 2 Fish Genetics and Seed Production

NUTRITION

- Cluster Elective Paper VIII A 2 Diet Therapy

GEOLOGY

ECONOMICS

ANTHROOPOLOGY

GEOGRAPHY

Paper VIII
CLUSTER ELECTIVES-3 (A-3, B-3 & C3)

PHYSICS

Cluster Elective Paper VIII-A-3 Electronic Instrumentation

Cluster Elective Paper VIII-B-3 Applications of Nanomaterials
and Devices

Cluster Elective Paper VIII-C-3 Energy Storage Devices

CHEMISTRY

Paper VIII-A-3 Analysis of Drugs, Foods, Dairy Products
& Bio-chemical Analysis

Paper VIII-B-3 Analysis of Applied Industrial Products

Paper VIII-C-3 Pharmaceutical and Medicinal Chemistry

BOTANY

VIII-A3 Theory Pharmacognosy and Phytochemistry

ZOOLOGY

Cluster Elective Paper VIII A-3 Clinical Microbiology

Cluster Elective Paper VIII B-3 Postharvest Technology

Cluster Elective Paper VIII C-3 Silk Technology Silk Marketing
and Extension

ELECTRONICS

Paper VIII-A-3- Consumer Electronics

Paper VIII-B-3-Computer Net Works

Paper VIII-C-3- Mobile Application Programming

BIO-CHEMISTRY

Cluster Theory VIII-(A-3) Microbiology

Cluster Theory VIII-(B-3) Membrane Biology

Cluster Theory VIII-(C-3) BioChemical Genetics

BIO-TECHNOLOGY

Cluster Elective -I VIII -A (3) Metabolisms

Cluster Elective-II VIII-B (3) Environmental Biotechnology

Cluster Elective-III VIII-c(3) Biostatistics and Bioinformatics

MICROBIOLOGY

Cluster Elective VIII -A(3)Management of Human
Microbial Diseases

Cluster Elective VIII - B (3) Biofertilizers and Bio
pesticides

Cluster Elective VIII-C (3) Drug design and Discovery

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AGRICULTURE

(Cluster A-3) Paper VIII (Forestry and Organic Farming)
Organic Farming & Sustainable Agriculture

HUMAN GENETICS

Cluster Theory VIII-A(3) Genetics and Society
Cluster Theory VIII-B(3) Human Population Genetics
Cluster Theory VIII-C(3) Developmental & Behavioral Genetics

FISHERIES

Cluster Elective paper VIII A 3 Fish Nutrition and Feed Technology

GEOLOGY

ECONOMICS

ANTHROPOLOGY

GEOGRAPHY

Monday
25th March 2019
9 am to 12noon

MATHEMATICS (Common for B.A & B.Sc)

Elective-VII(A) Laplace Transforms
Elective-VII(B) Numerical Analysis
Elective-VII(C) Number Theory & Elective Problem Solving Sessions

75

BOTANY

Theory (Elective -I) Paper VII(A) Optional
Paper VII(A) Organic Farming and Sustainable agriculture
Theory (Elective-II) VII(B) optional
Paper VII(B) T Nursery, Gardening and Floriculture
Theory (Elective-III) Paper VII (C) Optional
Paper VII(C) T Plant tissue culture and its Biotechnological applications

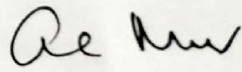
75

8/8

Day ,Date & Hours	Subject	Max. Marks
Tuesday 26 th March 2019 9 am to 12noon	<u>PHYSICS</u> Elective Paper VII(A) Analog and Digital Electronics Elective Paper VII (B) Material Science Elective Paper VII (C) Renewal Energy	75
	<u>ZOOLOGY</u> Elective Paper VII(A) 1 Immunology Elective Paper VII(B) Cellular Metabolism and Molecular Biology Elective Paper VII(C) Bioinformatics	75
Wednesday 27 th March 2019 9 am to 12noon	<u>COMPUTER SCIENCE</u> Paper VII Elective A Operating Systems Paper VII Elective B Computer Networks Paper VII Elective C Web Technologies	75
	<u>BIO-CHEMISTRY</u> Elective Theory Paper VII (A) Microbiology and Molecular Biology Elective Theory Paper VII (B) Biochemistry of Cell Elective Theory Paper VII (C) Biochemical Correlations in Diseases	75
	<u>Nutrition</u> Paper VII (A) Food Microbiology Hygiene & Sanitation	75

(By order)

C.A.O., AU, VSP
Dt: 23-02-2019


(S.V.SUDHAKARA REDDY)
CONTROLLER OF EXAMINATIONS