

**ANDHRA UNIVERSITY**  
**B.Sc. (CBCS) SEMESTER PATTERN**  
**DEGREE EXAMINATIONS : September 2023**  
**ADMITTED BATCH (2020-21) REGULAR & SUPPLEMENTARY**  
**FOURTH SEMESTER**

**TIME-TABLE**

| Day, Time Hours  | Paper Code | SUBJECT  | Max Marks |
|--|------------|--|-----------|
| Friday 01 <sup>st</sup> September 2023<br>9AM to 12 PM   | BS-S6213   | Mathematics IV<br>Real Analysis  | 75        |
|  | BS-S6231   | Botany IV<br>Plant Physiology and Metabolism                               | 75        |
| Saturday 02 <sup>nd</sup> September 2023<br>9AM to 12 PM | BS-S6214   | Mathematics V<br>Linear Algebra  | 75        |
|  | BS-S6232   | Botany V<br>Cell Biology, Genetics and Plant Breeding                      | 75        |
| Monday 04 <sup>th</sup> September 2023<br>9AM to 12 PM   | BS-S6217   | Physics IV (with Mathes)<br>Electricity, Magnetism and Electronics         | 75        |
|  | BS-S6235   | Zoology IV<br>Animal Physiology, Cellular Metabolism & Embryology          | 75        |
| Tuesday 05 <sup>th</sup> September 2023<br>9AM to 12 PM  | BS-S6218   | Physics V (with Mathes)<br>Modern Physics                                  | 75        |
|  | BS-S6236   | Zoology V<br>Immunology & Animal Biotechnology                             | 75        |
| Thursday 07 <sup>th</sup> September 2023<br>9AM to 12 PM | BS-S6209   | Computer Science IV<br>Object Oriented Programming Using Java              | 75        |
|  | BS-S6205   | Bio-Chemistry IV<br>Physiology, Nutritional and Clinical Biotechnology     | 75        |
|  | BS-S6241   | Nutrition IV<br>Community Nutrition<br>Basics of Fruits Science (Pomology) | 75        |
|  | BS-S6253   | Aquaculture Technology IV<br>Fresh Water & Brackishwater Aquaculture       | 75        |
| Friday 08 <sup>th</sup> September 2023<br>9AM to 12 PM   | BS-S6210   | Computer Science V<br>Operating Systems                                    | 75        |
|  | BS-S6206   | Bio-Chemistry V<br>Microbiology, Immunology and Molecular Biology          | 75        |
|  | BS-S6242   | Nutrition V<br>Diettherapy   | 75        |
|  | BS-S6254   | Aquaculture Technology V<br>Fish Health & Management & Fisheries Economics | 75        |

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| Monday 11 <sup>th</sup> September 2023<br>9AM to 12 PM    | BSS6215/ | Chemistry IV<br>Inorganic, Organic and Physical Chemistry  | 75 |
|   | BA-S6203 | Part II (Economics Paper- IV)<br>Economic Development India and Andhra Pradesh<br>(Common with B.A. AND B.Sc.)                     | 75 |
| Tuesday 12 <sup>th</sup> September 2023<br>9AM to 12 PM   | BS-S6216 | Chemistry V<br>Inorganic and Physical Chemistry  | 75 |
|   | BA-S6204 | (Economics Paper- V)<br>Statistical Methods for Economics<br>( Common with B.A. AND B.Sc.)   | 75 |
| Wednesday 13 <sup>th</sup> September 2023<br>9AM to 12 PM | BS-S6227 | Micro Biology IV<br>(Industrial Microbiology)  | 75 |
|   | BS-S6201 | Statistics (With Mathematics Combination) Paper-IV<br>(Common with B.A., B.Sc.)<br>(Sampling Techniques and Design of Experiments) | 75 |
|   | BS-S6203 | Human Genetic Paper –IV<br>(Recombinant DNA Technology)  | 75 |
|   | BS-S6251 | Internet of Things<br>(Implementing Lot with Raspberry P1)   | 75 |
|   | BS-S6237 | Analytical Chemistry paper – IV<br>(Separation Methods –II)  | 75 |
| Thursday 14 <sup>th</sup> September 2023<br>9AM to 12 PM  | BS-S6228 | Micro Biology V<br>(Molecular Biology and Microbial Genetics)  | 75 |
|   | BS-S6202 | Statistics (With Mathematics Combination) Paper-V<br>(Common with B.A., B.Sc.)<br>(Applies Statistics)                             | 75 |
|   | BS-S6204 | Human Genetic Paper –V<br>(Statistics and Informatics in Human Genetics)   | 75 |
|   | BS-S6252 | Internet of Things<br>(Rfid and Wireless Sensor Networks)  | 75 |
|   | BS-S6238 | Analytical Chemistry paper – V<br>(Analytical Bio-Chemistry & Environmental<br>Chemistry)  | 75 |
| Friday 15 <sup>th</sup> September 2023<br>9AM to 12 PM    | BS-S6233 | Fisheries Paper IV<br>(Fresh water Aquaculture)  | 75 |
|   | BS-S6207 | Bio-Technology Paper IV<br>(Plant & Animal Biotechnology)  | 75 |
|   | BS-S6239 | Agriculture Paper IV<br>(Fundamentals of plants pathology)   | 75 |
|   | BS-S6211 | Electronics Paper IV<br>(Microprocessor Systems )  | 75 |
|   | BS-S6219 | Horticulture Paper IV<br>Basic of Fruit Science  | 75 |
|   | BS-S6249 | Data Science Paper IV<br>Data Mining and Data Analysis   | 75 |

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| Saturday 16 <sup>th</sup> September 2023<br>9AM to 12 PM  | BS-S6234 | Fisheries Paper V<br>(Fish and Shell Fish Diseases)   | 75 |
|   | BS-S6208 | Bio-Technology Paper V<br>(Environmental & Industrial Biotechnology)  | 75 |
|   | BS-S6240 | Agriculture Paper V<br>(Fundamentals of Horticulture and Production<br>Technology of Fruit Crops)                       | 75 |
|   | BS-S6212 | Electronics Paper V<br>(Micro Controller and interfacing)   | 75 |
|   | BS-S6220 | Horticulture Paper V<br>(Pets and diseases of Horticulture plants and their<br>Management)                              | 75 |
|   | BS-S6250 | Data Science Paper V<br>(Big Data Acquisition and Analysis)   | 75 |
| Tuesday 19 <sup>th</sup> September 2023<br>9AM to 12 PM   | BS-S6267 | ANIMATION SYLLABUS<br>(Web Technologies)  | 75 |
|   | BS-S6269 | FILM STUDIES SYLLABUS<br>Digital Film Editing   | 75 |
|   | BS-S6271 | ARTIFICIAL INTELLIGENCE &<br>ROBOTICS SYLLABUS<br>Fundamentals of IoT and Robotics                                      | 75 |
|   | BS-S6273 | WEB ENABLED TECHNOLOGIES<br>HTML, CSS & Java Script   | 75 |
|   | BS-S6275 | SEED TECHNOLOGY COURSE<br>Seed Pathology and Entomology   | 75 |
| Wednesday 20 <sup>th</sup> September 2023<br>9AM to 12 PM | BS-S6268 | ANIMATION SYLLABUS<br>Advanced 3D   | 75 |
|   | BS-S6270 | FILM STUDIES SYLLABUS<br>Composition G-II   | 75 |
|   | BS-S6272 | ARTIFICIAL INTELLIGENCE &<br>ROBOTICS SYLLABUS<br>Machine Learning  | 75 |
|   | BS-S6274 | WEB ENABLED TECHNOLOGIES<br>PHP-My Sql  | 75 |
|   | BS-S6276 | SEED TECHNOLOGY COURSE<br>Seed Processing, Testing, Legislations and<br>Certification                                   | 75 |
| Saturday 23 <sup>rd</sup> September 2023<br>9AM to 12 PM  | BS-S6229 | Geography Paper IV<br>(Common with B.A., B.Sc.)<br>(Geography of India)   | 75 |
| Monday 25 <sup>th</sup> September 2023<br>9AM to 12 PM    | BS-S6230 | Geography Paper V<br>(Common with B.A., B.Sc.)<br>(Introduction to Remote Sensing & Geographical<br>Information System) | 75 |

(By Order)

C.A.O. AU,  
Visakhapatnam  
Dt:14-08-2023

  
(T. CHITTI BABU)  
JOINT REGISTRAR  
CONTROLLER OF EXAMINATIONS