

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

FINAL PROGRAM OF B.Sc. SEMESTER – III TO VI MARCH 2020 EXAMINATION TO BE HELD IN OCT 2020

1. Students should see their Seat No. and Name in the Name list and mistakes if any should be communicated to this office immediately. All candidates are requested to confirm their Examination Seat No. as well as place of examination on the Notice Board of the University/College mentioned below at least two days before the date of Examination. The candidate should write correct Seat No. on each Answer Book. If candidate writes wrong Seat No. on Answer Book the performance of such subject will not be considered.
2. Candidates are requested to be present at their respective places of examinations **FIFTEEN MINUTES** before the time starting of the first paper and **TEN MINUTES** before the time of starting of each subsequent paper. Candidates are forbidden to take any book or paper into the Examination Hall.
3. (**Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents)
4. We will conduct the semester III,IV & V exam of the Repeaters student only. The final Year semester VI exam will be conducted for the students.
5. The Time for the exam is one and half hour (1 ½) only.
6. The written examination will be conducted online/offline mode which will be held at home/desegated places.
7. All the student are here by informed that the time slot given in the time table shows 5 hrs for each day. But you will get 1 ½ hrs to solve the paper. If any student has two paper in one day that time he will be solving two papers within 5 hours.

| B.Sc. Sem - III (w.e.f. June 2017) (CBCS Pattern-2016) | | | | | |
|---------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------|-------------------------|--------|------------------------------------------------------------------------------------------------------|
| Day & Date | Sr. No | Subject | Day & Date | Sr. No | Subject |
| Time: 10:30 a.m. to 03:30 p.m. (Only 1 ½ hrs out of this slot) | | | | | |
| Monday 05/10/2020 | 101 | CHEMISTRY Paper-V (201305) Organic Chemistry | Monday 05/10/2020 | 102 | COMPUTER SCIENCE Paper-V (201317) Object Oriented Programming using C++ |
| Monday 05/10/2020 | 103 | CHEMISTRY Paper-VI (201306) Inorganic Chemistry | Monday 05/10/2020 | 104 | COMPUTER SCIENCE Paper-VI (201318) Software Engineering |
| Tuesday 06/10/2020 | 105 | PHYSICS Paper-V (201303) General Physics, Heat and Sound | Tuesday 06/10/2020 | 106 | BIO-CHEMISTRY Paper-I (201331) Biomolecules |
| | | | | 107 | PLANT PROTECTION Paper-I (201327) Major Crops and Methods of Integrated Plant protection |
| Tuesday 06/10/2020 | 108 | PHYSICS Paper-VI (201304) Electronics | Tuesday 06/10/2020 | 109 | BIO-CHEMISTRY Paper-II (201332) Biochemical Techniques |
| | | | | 110 | PLANT PROTECTION Paper-II (201328) Crop Diseases and their management |
| Wednesday 07/10/2020 | 111 | STATISTICS Paper-V (201307) Continuous Probability Distributions | Wednesday 07/10/2020 | 112 | METEOROLOGY Paper-I (201323) Climatology |
| | | | | 113 | GEO-CHEMISTRY Paper-I (201325) Introduction to Geochemistry |
| | | | | 114 | ZOOLOGY Paper-V (201319) Animal Diversity – III |
| Wednesday 07/10/2020 | 116 | STATISTICS Paper-VI (201308) Discrete Probability Distributions and Statistical Methods | Wednesday 07/10/2020 | 115 | METEOROLOGY Paper-II (201324) General Meteorology |
| | | | | 116 | GEO-CHEMISTRY Paper-II (201326) Introduction to Solar System and Geo-Sphers |
| | | | | 117 | ZOOLOGY Paper-VI(201320) Cell Science, Genetics, Biological Chemistry and Economic Zoology |
| Thursday 08/10/2020 | 118 | MATHEMATICS Paper-V (201313) Differential Calculus | Thursday 08/10/2020 | 119 | BOTANY Paper-V (201301) Anatomy and Taxonomy of Angiosperms |
| Thursday 08/10/2020 | 120 | MATHEMATICS Paper-VI (201314) Real Analysis | Thursday 08/10/2020 | 121 | BOTANY Paper-VI (201302) Plant Ecology |
| Friday 09/10/2020 | 122 | ELECTRONICS Paper-V (201315) Electronic Circuits | Friday 09/10/2020 | 123 | PSYCHOLOGY Paper-V (201329) Experimental Psychology |
| | 124 | GEOGRAPHY Paper-V (201321) Biogeography - I | | 125 | GEOLOGY Paper-V (201309) Optics and Mineralogy |
| | | | | 126 | MICROBIOLOGY Paper-V (201311) Cytology and Physiology of Microorganisms |
| Friday 09/10/2020 | 127 | ELECTRONICS Paper-VI (201316) Pulse & Switching Circuits | Friday 09/10/2020 | 128 | PSYCHOLOGY Paper-VI (201330) Social Psychology |
| | 129 | GEOGRAPHY Paper-VI (201322) Soil Science | | 130 | GEOLOGY Paper-VI (201310) Structural Geology |
| | | | | 131 | MICROBIOLOGY Paper-VI (201312) Bacterial Genetics |

| B.Sc. Sem – IV (w.e.f. Nov 2017) (CBCS Pattern-2016) | | | | | |
|---------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------|-------------------------|---------|--------------------------------------------------------------------------------|
| Day & Date | Sr. No | Subject | Day & Date | Sr. No. | Subject |
| Time: 10:30 a.m. to 03:30 p.m. (Only 1 ½ hrs out of this slot) | | | | | |
| Monday 05/10/2020 | 132 | CHEMISTRY Paper–VII(201407) Physical Chemistry | Monday 05/10/2020 | 133 | COMPUTER SCIENCE Paper- VII (201425) Data Structures |
| Monday 05/10/2020 | 134 | CHEMISTRY Paper–VIII(201408) Analytical & Industrial Inorganic Chemistry | Monday 05/10/2020 | 135 | COMPUTER SCIENCE Paper– VIII (201426) DBMS Using Oracle |
| Tuesday 06/10/2020 | 136 | PHYSICS Paper-VII (201404) Optics | Tuesday 06/10/2020 | 137 | BIO-CHEMISTRY Paper-III (201446) Nutrition and Metabolism |
| | | | | 138 | PLANT PROTECTION Paper–III (201440) Introduction to weeds & on insect Pests |
| Tuesday 06/10/2020 | 139 | PHYSICS Paper-VIII (201405) Modern Physics | Tuesday 06/10/2020 | 140 | BIO-CHEMISTRY Paper-IV(201447) Molecular Biochemistry & Diseases |
| | | | | 141 | PLANT PROTECTION Paper–IV (201441) Insect pests and their Management |
| Wednesday 07/10/2020 | 142 | STATISTICS Paper–VII (201410) Continuous Probability Distributions and Exact Sampling Distributions | Wednesday 07/10/2020 | 143 | METEOROLOGY Paper–III (201434) Applied Climatology |
| | | | | 144 | GEO-CHEMISTRY Paper-III (201437) Principles of Geochemistry |
| | | | | 145 | ZOOLOGY Paper–VII (201428) Animal Diversity – IV |
| Wednesday 07/10/2020 | 146 | STATISTICS Paper–VIII(201411) Applied Statistics | Wednesday 07/10/2020 | 147 | METEOROLOGY Paper–IV (201435) Meteorological Instruments |
| | | | | 148 | GEO-CHEMISTRY Paper-IV (201438) Chemistry of the Earth |
| | | | | 149 | ZOOLOGY Paper–VIII(201429) Histology & Physiology |
| Thursday 08/10/2020 | 150 | MATHEMATICS Paper–VII(201419) Differential Equations | Thursday 08/10/2020 | 151 | BOTANY Paper–VII (201401) Plant Physiology and Cytogenetics |
| Thursday 08/10/2020 | 152 | MATHEMATICS Paper–VIII(201420) Abstract Algebra – I | Thursday 08/10/2020 | 153 | BOTANY Paper–VIII (201402) Economic Botany |
| Friday 09/10/2020 | 154 | GEOGRAPHY Paper–VII (201431) Biogeography – II | Friday 09/10/2020 | 155 | PSYCHOLOGY Paper–VII(201443) Cognitive Psychology |
| | 156 | ELECTRONICS Paper–VII (201422) Fundamentals of Operational Amplifier | | 157 | GEOLOGY Paper–VII(201413) Igneous Petrology |
| Friday 09/10/2020 | 159 | GEOGRAPHY Paper–VIII (201432) Agricultural Geography | Friday 09/10/2020 | 158 | MICROBIOLOGY Paper–VII(201416) Immunology & Medical Microbiology |
| | | | | 160 | PSYCHOLOGY Paper–VIII(201444) Positive Psychology |
| | 161 | ELECTRONICS Paper–VIII (201423) Digital Techniques and Microprocessor | | 162 | GEOLOGY Paper–VIII (201414) Sedimentary & Metamorphic Petrology |
| | | | | 163 | MICROBIOLOGY Paper–VIII(201417) Industrial Microbiology-II |

| B.Sc. Sem-IV (w.e.f. Nov 2017) | | | |
|--------------------------------|---------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Day & Date | Sr. No. | SUBJECT Time: 10:30 a.m. to 03:30 p.m. (Only 1 ½ hrs out of this slot) | Candidates note that Environmental Studies Examination will be conducted in their Parent College |
| Sunday 11/10/2020 | 900 | Environmental Studies (2015) | |

| B.Sc. Sem - V (w.e.f. June 2018) (CBCS Pattern-2016) | | |
|-----------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| Day & Date | Sr. No. | Subject Time: 10:30 a.m. to 03:30 p.m. (Only 1 ½ hrs out of this slot) |
| Tuesday 05/10/2020 | 164 | English (Compulsory) Literary Quest (201501) |
| | | Special Paper - IX |
| Tuesday 06/10/2020 | 165 | Physics Paper- IX (201502) Mathematical Physics & Statistical Physics |
| | 166 | Chemistry Paper- IX (201506) Physical Chemistry |
| | 167 | Botany Paper- IX (201514) Reproductive Biology of Angiosperms |
| | 168 | Zoology Paper- IX (201518) Non-chordates |
| | 169 | Mathematics Paper- IX (201510) Algebra-II |
| | 170 | Statistics Paper- IX (201534) Statistical Inference– I |
| | 171 | Geology Paper- IX (201522) Earth's Physics and Dynamics |
| | 172 | Microbiology Paper- IX (201526) Virology |
| | 173 | Electronics Paper- IX (201530) Linear Integrated Circuits and Applications |
| | 174 | Computer Science Paper- IX (201538) Visual Programming using C++ |
| | | Special Paper – X |
| Wednesday 07/10/2020 | 175 | Physics Paper-X (201503) Solid State Physics |
| | 176 | Chemistry Paper- X (201507) Inorganic Chemistry |
| | 177 | Botany Paper- X (201515) Genetics |
| | 178 | Zoology Paper- X (201519) Developmental Biology |
| | 179 | Mathematics Paper- X (201511) Complex Analysis |
| | 180 | Statistics Paper- X (201535) Probability Distributions |
| | 181 | Geology Paper- X (201523) Geomorphology |
| | 182 | Microbiology Paper- X (201527) Agricultural Microbiology |
| | 183 | Electronics Paper- X (201531) Fundamentals of Microcontroller |
| | 184 | Computer Science Paper- X (201539) Core Java |

| B.Sc. Sem - V (w.e.f. June 2018) (Cont...) (CBCS Pattern-2016) | | |
|---------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| Day & Date | Sr. No. | Subject Time: 10:30 a.m. to 03:30 p.m. (Only 1 ½ hrs out of this slot) |
| | | Special Paper - XI |
| Thursday 08/10/2020 | 185 | Physics Paper XI (201504) Classical Mechanics |
| | 186 | Chemistry Paper XI (201508) Organic Chemistry |
| | 187 | Botany Paper XI (201516) Plant Physiology |
| | 188 | Zoology Paper XI (201520) Comparative Anatomy of Chordates |
| | 189 | Mathematics Paper XI (201512) Integral Calculus |
| | 190 | Statistics Paper XI (201536) Sampling Techniques |
| | 191 | Geology Paper XI (201524) Stratigraphy of India Part – I |
| | 192 | Microbiology Paper XI (201528) Immunology |
| | 193 | Electronics Paper XI (201532) Sensors and Transducers |
| | 194 | Computer Science Paper XI (201540) Operating System |
| | | Special Paper - XII |
| Friday 09/10/2020 | 195 | Physics Paper XII Nuclear Physics (201505) OR |
| | 196 | Energy Studies (201542) |
| | 197 | Chemistry Paper XII Analytical and Industrial Physical Chemistry (201509) OR |
| | 198 | Methodology and Materials of Industrial Importance(201543) |
| | 199 | Botany Paper XII Plant Breeding (201517) OR |
| | 200 | Nursery and Gardening(201545) |

| | | |
|--|-----|-------------------------------------------------------------------------------------------------------------------|
| | 201 | Zoology Paper XII Biostatistics, Bioinformatics, Medical Zoology and Evolutionary Biology(201521) OR |
| | 202 | Biodiversity & Conservation Biology(201546) |
| | 203 | Mathematics Paper XII Partial Differential Equations(201513) OR |
| | 204 | Mathematical Analysis(201544) |
| | 205 | Statistics Paper XII Operations Research(201537) OR |
| | 206 | Regression Analysis(201550) |
| | 207 | Geology Paper XII Applied Geology Part – I(201525) OR |
| | 208 | Crystallography and Optical Mineralogy(201547) |
| | 209 | Microbiology Paper XII Industrial Microbiology- I(201529) OR |
| | 210 | Industrial Microbiology- II(201548) |
| | 211 | Electronics Paper XII Biomedical Electronics (201533) OR |
| | 212 | Electronics Communication(201549) |
| | 213 | Computer Science Paper XII Python (201541) OR |
| | 214 | Software Testing (201551) |

| <u>B.Sc. Sem – VI (w.e.f. Nov. 2018)</u> (CBCS Pattern-2016) | | |
|-----------------------------------------------------------------|---------|------------------------------------------------------------------------------|
| Day & Date | Sr. No. | Subject Time: 10:30 a.m. to 03:30 p.m. (Only 1 ½ hrs out of this slot) |
| Monday 12/10/2020 | 215 | English (Compulsory) (201601) Literary Quest |
| | | Special Paper-XIII |
| Tuesday 13/10/2020 | 215 | Physics Paper-XIII (201602) Electrodynamics |
| | 217 | Chemistry Paper-XIII (201607) Physical Chemistry |
| | 218 | Botany Paper- XIII (201617) Molecular Biology |
| | 219 | Zoology Paper- XIII (201622) Physiology |
| | 220 | Mathematics Paper- XIII (201612) Metric Spaces |
| | 221 | Statistics Paper- XIII (201642) Statistical Inference–II |
| | 222 | Geology Paper- XIII (201627) Economic Geology and Prospecting |
| | 223 | Microbiology Paper- XIII (201632) Microbial Genetics |
| | 224 | Electronics Paper- XIII (201637) Power Electronics |
| | 225 | Computer Science Paper- XIII (201647) Web Technology |
| | | Special Paper -XIV |
| Wednesday 14/10/2020 | 226 | Physics Paper-XIV Materials Science (201603) |
| | 227 | Chemistry Paper- XIV Inorganic Chemistry (201608) |
| | 228 | Botany Paper- XIV Plant Biotechnology (201618) |
| | 229 | Zoology Paper- XIV Economic Zoology (201623) |
| | 230 | Mathematics Paper- XIV Numerical Analysis (201613) |
| | 231 | Statistics Paper- XIV Probability Theory (201643) |
| | 232 | Geology Paper- XIV Environmental Geology (201628) |
| | 233 | Microbiology Paper- XIV Microbial Biochemistry (201633) |
| | 234 | Electronics Paper- XIV Embedded System Design (201638) |
| | 235 | Computer Science Paper- XIV Advanced Java (201648) |

| <u>B.Sc. Sem – VI (w.e.f. Nov. 2018)</u> (CBCS Pattern-2016) | | |
|-----------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|
| Day & Date | Sr. No | Subject Time: 10:30 a.m. to 03:30 p.m. (Only 1 ½ hrs out of this slot) |
| | | Special Paper XV |
| Thursday 15/10/2020 | 236 | Physics Paper-XV (201604) Atomic, Molecular Physics and Quantum Mechanics |
| | 237 | Chemistry Paper- XV (201609) Organic Chemistry |
| | 238 | Botany Paper- XV (201619) Plant Metabolism |
| | 239 | Zoology Paper- XV (201624) Molecular Biology and Biotechnology |
| | 240 | Mathematics Paper- XV (201614) Programming in C |
| | 241 | Statistics Paper- XV (201644) Designs of Experiments |
| | 242 | Geology Paper- XV (201629) Stratigraphy of India Part – II |
| | 243 | Microbiology Paper- XV (201634) Environmental Microbiology |
| | 244 | Electronics Paper- XV (201639) Electronics Instrumentation |
| | 245 | Computer Science Paper- XV (201649) Data Communication and Networking – II |
| | | Special Paper XVI |
| Friday 16/10/2020 | 246 | Physics Paper-XVI Electronics (201605) OR |
| | 247 | Instrumentation (201652) |
| | 248 | Chemistry Paper- XVI Analytical and Industrial Organic Chemistry (201610) OR |
| | 249 | Applied Organic Chemistry (201653) |
| | 250 | Botany Paper- XVI Biostatistics (201620) OR |
| | 251 | Horticultural practices and post harvest technology (201655) |
| | 252 | Zoology Paper- XVI Endocrinology, Environmental Biology and Toxicology (201625) OR |
| | 253 | Techniques in Biology (201656) |
| | 254 | Mathematics Paper- XVI Integral Transform (201615) OR |
| | 255 | Graph Theory and Combinatorics (201654) |

| | |
|-----|-----------------------------------------------------------------------------------|
| 256 | Statistics Paper- XVI Quality Management and Reliability (201645) OR |
| 257 | Time Series Analysis (201660) |
| 258 | Geology Paper- XVI (201657) Applied Geology Part – II OR |
| 259 | Geochemistry (201630) |
| 260 | Microbiology Paper- XVI Clinical Microbiology-I (201635) OR |
| 261 | Clinical Microbiology-II (201658) |
| 262 | Electronics Paper- XVI Modern Communication Systems (201640) OR |
| 263 | Virtual Instrumentation (201659) |
| 264 | Computer Science Paper- XVI (201650) Angular JS OR |
| 265 | Linux Operating System (201661) |

NOTE:-

1. The Practical Examination will be CONDUCTED BEFORE THE COMMENCEMENT OF THEORY EXAMINATION AND THE PROGRAM WILL BE COMMUNICATED SEPARATELY.
2. Candidate should write answer in **BLUE INK/BLACK INK POINT PEN** only.
3. The use of stencil is allowed at the Examinations.
4. The students are allowed to use Non Programmable Scientific calculators for Numerical calculations at their own cost. University will not supply such calculators.
5. Cellular phone, Pager, Programmable Scientific Calculator and Digital Diary or any means which can be used for unfair practice are not allowed in the Examination Hall.
6. Seating arrangement is made date wise & subject wise therefore candidates are requested to see their seating arrangement one day before the date of the Examination.
7. The Examination programme is subject to change. Candidates are therefore advised to see the Final Programme. If there is any change in the examination programme the University is not responsible for the loss or inconvenience caused to the candidates.
8. **(Important Note:** Code Numbers given in the Bracket are Computer Code of respective Subjects, Students should mention these Code Numbers on Answer Books with Name of the Subject. Also write these Code Numbers on JSR (Junior Supervisor Report) and related documents.)

Please Visit - <http://su.digitaluniversity.ac>

Ref No.: PAHSUS/EXAM/TIME-TABLE/2020/772

Date: 18/09/2020

Sd/-

I/C Director

Board of Examinations and Evaluation