

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

FINAL PROGRAM OF B.Sc. SEMESTER – I TO VI OCT./NOV.-2022 EXAMINATION TO BE HELD IN JAN. -2023

- 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.
- 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.
- (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)
- All the Candidates are asked to follow the timely instructions given by University in accordance with the examinations methodology.
- As per the Rights of Person with Disabilities Act-2016 the persons with Disabilities are given 20 minutes extra for one per hour for the Online/Offline exam. (केंद्र शासनाच्या अपंग व्यक्ती अधिकार अधिनियम २०१६ मधील तरतूदीनुसार अपंग विद्यार्थ्यांना ऑनलाईन व ऑफलाईन परीक्षेमध्ये सर्वसाधारण विद्यार्थ्यांपेक्षा १ तासाला कमीत कमी २० मिनीट इतका वेळ वाढवून देण्यास सर्वानुमते मान्यता देण्यात आली.)

The Centers and places of the Examinations will be as under.

| Sr. No. | Center | College Abbreviation | Place |
|---------|------------|----------------------|---|
| 1 | SOLAPUR | DBF | D.B.F. Dayanand College of Arts & Science |
| 2 | | SAN | Sangameshwar College |
| 3 | | VASU | Vasundhara Arts College |
| 4 | | WCS | Walchand College of Arts & Science |
| 5 | | GVCB | Global Village Arts, Science & Commerce College, Boramani |
| 6 | | ASCENT | Ascent College , Kandalgaon |
| 7 | PANDHARPUR | KBP | K.B.P. Mahavidyalaya |
| 8 | | SKMC | Shrikurshan Mahavidyalaya, Chale |
| 9 | BARSHI | SBZ | Shriman Bhausahab Zadbuke Mahavidyalaya |
| 10 | | SMB | Shri. Shivaji Mahavidyalaya |
| 11 | SHELGAON | HCCB | Hemuji Chandele College, Shelgaon (R) |
| 12 | SANGOLA | VIMAS | Vidnyan Mahavidyalaya |
| 13 | | SANG | Sangola College, Sangola |
| 14 | | DASPM | Dipak Aba Salunkhe-Patil Mahavidyalaya, Kole |
| 15 | AKLUJ | SMM | Shankarrao Mohite Mahavidyalaya |
| 16 | MALSHIRAS | SGAC | Sameer Gandhi Kala Mahavidyalaya |
| 17 | KARMALA | YCMK | Yashwantrao Chavan Mahavidyalaya |
| 18 | AKKALKOT | CBK | C.B.Khedgi's College |
| 19 | NATEPUTE | SMSMPM | S.M. Shankarrao Mohite Patil College |

| Sr. No. | Center | College Abbreviation | Place |
|---------|-------------|----------------------|---|
| 20 | MANGALWEDHA | MMP | Madansinh Mohite-Patil Sci. Mahavidyalaya |
| 21 | | SDM | Sant Damaji Mahavidyalaya |
| 22 | | DMKG | Shikshan Prasarak Mandal, (Dalit Mitr Kadam Guruji Mahavidyalaya) |
| 23 | KURDUWADI | KNB | K.N.Bhise College |
| 24 | ANGAR | BPCAS | Baburao Patil College |
| 25 | WADALA | MMW | Mauli Mahavidyalaya |
| 26 | MANDRUP | SBPC | Santosh Bhimrao Patil College |
| 27 | Mohol | DSG | D.S. Garad Mahavidyalaya |

The Written Examination will be conducted in the following order

| B.Sc. Sem – I (NEW w.e.f. June 2022) (CBCS Pattern-2022) | | | | |
|---|---------------|---|----------------|---|
| Day & Date | Sr. No | Subject Time: 12:00 p.m. To 02:00 p.m. | Sr. No. | Subject Time: 03:00 p.m. To 05:00 p.m. |
| Monday 23/01/2023 | 1 | English (Comp.) (22221101) LITERARY VOYAGE | | |
| Tuesday 24/01/2023 | 2 | CHEMISTRY Paper–I (22221106) Physical Chemistry | 3 | COMPUTER SCIENCE Paper-I (22221120) Fundamental of Computer |
| Wednesday 25/01/2023 | 4 | CHEMISTRY Paper–II (22221107) Inorganic Chemistry | 5 | COMPUTER SCIENCE Paper–II (22221121) Programming Using C |
| Friday 27/01/2023 | 6 | PHYSICS Paper-I (22221104) Mechanics and properties of Matter | 7 | MICROBIOLOGY Paper–I (22221114) Introduction to Microbiology and Microbial Diversity |
| Saturday 28/01/2023 | 8 | PHYSICS Paper-II (22221105) Optics | 9 | MICROBIOLOGY Paper–II (22221115) Cell cytology and Microbial Techniques |
| Monday 30/01/2023 | 10 | STATISTICS Paper–I (22221108) Descriptive Statistics-I | 11 | ZOOLOGY Paper–I (22221122) Animal Diversity I |
| Tuesday 31/01/2023 | 12 | STATISTICS Paper–II (22221109) Elementary Probability Theory | 13 | ZOOLOGY Paper–II (22221123) Animal diversity-II |
| Wednesday 01/02/2023 | 14 | MATHEMATICS Paper–I (22221116) Algebra | 15 | BOTANY Paper–I (22221102) Microbiology and Phycology |
| Thursday 02/02/2023 | 16 | MATHEMATICS Paper-II Calculus (22221117) | 17 | BOTANY Paper–II (22221103) Fungi and Archegoniate |
| Friday 03/02/2023 | 18 | ELECTRONICS Paper–I (22221118) Basic Circuit Theory and Network Analysis | 19 | PSYCHOLOGY Paper–I General Psychology I () |
| | 20 | GEOGRAPHY Paper – I (22221124) Geomorphology- I | 21 | GEOLOGY Paper–I (22221110) PHYSICAL GEOLOGY |
| Saturday 04/02/2023 | 22 | ELECTRONICS Paper–II (22221119) Digital Fundamentals | 23 | PSYCHOLOGY Paper–II (19201113) Developmental Psychology |
| | 24 | GEOGRAPHY Paper – II (22221125) Geomorphology-II | 25 | GEOLOGY Paper–II (22221111) PALAEONTOLOGY |
| Monday 06/02/2023 | 292 | NCC Studies Compulsory (NCC-ST-101) | | |

B.Sc. Sem – I (w.e.f. June 2019)
(CBCS Pattern-2019) (Old up to MAR-2023)

| Day & Date | Sr. No | Subject Time: 12:00 p.m. To 02:00 p.m. | Sr. No. | Subject Time: 03:00 p.m. To 05:00 p.m. |
|---------------------------------------|---------------|---|----------------|---|
| Monday 23/01/2023 | 26 | (w.e.f. New June 2020) English (Comp.) (19201101) LITERARY VOYAGE | | |
| Tuesday 24/01/2023 | 27 | CHEMISTRY Paper-I Physical Chemistry (19201106) | 28 | COMPUTER SCIENCE Paper-I Fundamental of Computer (19201120) |
| Wednesday 25/01/2023 | 29 | CHEMISTRY Paper-II (19201107) Inorganic Chemistry | 30 | COMPUTER SCIENCE Paper-II Programming Using C-I (19201121) |
| Friday 27/01/2023 | 31 | PHYSICS Paper-I Mechanics and properties of matter. (19201104) | 32 | MICROBIOLOGY Paper-I Fundamentals of Microbiology (19201114) |
| Saturday 28/01/2023 | 33 | PHYSICS Paper-II Optics and Laser (19201105) | 34 | MICROBIOLOGY Paper-II (19201115) Basic Techniques in Microbiology |
| Monday 30/01/2023 | 35 | STATISTICS Paper-I Descriptive Statistics-I (19201108) | 36 | ZOOLOGY Paper-I Animal Diversity I (19201122) |
| Tuesday 31/01/2023 | 37 | STATISTICS Paper-II Probability and Probability Distributions-I (19201109) | 38 | ZOOLOGY Paper-II Animal diversity-II (19201123) |
| Wednesday 01/02/2023 | 39 | MATHEMATICS Paper-I Algebra (19201116) | 40 | BOTANY Paper-I (19201102) Microbiology and Phycology |
| Thursday 02/02/2023 | 41 | MATHEMATICS Paper-II Calculus (19201117) | 42 | BOTANY Paper-II (19201103) Fungi and Archegoniate |
| Friday 03/02/2023 | 43 | ELECTRONICS Paper-I Basic Circuit Theory and Network Analysis (19201118) | 44 | PSYCHOLOGY Paper-I General Psychology I (19201112) |
| | 45 | GEOGRAPHY Paper – I Geomorphology- I (19201124) | 46 | GEOLOGY Paper-I (19201110) PHYSICAL GEOLOGY |
| Saturday 04/02/2023 | 47 | ELECTRONICS Paper-II Digital Fundamentals (19201119) | 48 | PSYCHOLOGY Paper-II (19201113) Developmental Psychology |
| | 49 | GEOGRAPHY Paper – II Geomorphology-II (19201125) | 50 | GEOLOGY Paper-II (19201111) STRUCTURAL GEOLOGY |

B.Sc. Sem – II (w.e.f. June 2019)
(CBCS Pattern-2019)

| Day & Date | Sr. No | Subject Time: 12:00 p.m. To 02:00 p.m. | Sr. No. | Day & Date | Subject Time: 03:00 p.m. To 05:00 p.m. |
|-------------------------|--------|--|---------|-------------------------|---|
| Tuesday 07/02/2023 | 51 | (w.e.f. New Nov. 2020) English (Comp.) (19201201) LITERARY VOYAGE | -- | ----- | |
| Wednesday 08/02/2022 | 52 | CHEMISTRY Paper–III (19201208) Organic Chemistry | 53 | Wednesday 08/02/2022 | COMPUTER SCIENCE Paper-III (19201229) Introduction to Web Designing |
| Thursday 09/02/2023 | 54 | CHEMISTRY Paper–IV (19201209) Analytical Chemistry | 55 | Thursday 09/02/2023 | COMPUTER SCIENCE Paper–IV(19201230) Programming Using C - II |
| Friday 10/02/2023 | 56 | PHYSICS Paper-III (19201205) Heat and Thermodynamics | 57 | Friday 10/02/2023 | MICROBIOLOGY Paper–III (19201220) Microbial Physiology |
| Saturday 11/02/2022 | 58 | PHYSICS Paper-IV (19201206) Electricity, Magnetism and Basic Electronics | 59 | Saturday 11/02/2022 | MICROBIOLOGY Paper–IV (19201221) Applied Microbiology |
| Monday 13/02/2023 | 60 | STATISTICS Paper–III (19201211) Descriptive Statistics-II | 61 | Monday 13/02/2023 | ZOOLOGY Paper–III (19201232) Comparative Anatomy of vertebrates |
| Tuesday 14/02/2023 | 62 | STATISTICS Paper–IV (19201212) Probability and Probability Distributions-II | 63 | Tuesday 14/02/2023 | ZOOLOGY Paper–IV (19201233) Developmental Biology of vertebrates |
| Wednesday 15/02/2023 | 64 | MATHEMATICS Paper–III (19201223) Geometry | 65 | Wednesday 15/02/2023 | BOTANY Paper–III (19201202) Plant Ecology |
| Thursday 16/02/2023 | 66 | MATHEMATICS Paper-IV (19201224) Differential Equations | 67 | Thursday 16/02/2023 | BOTANY Paper–IV (19201203) Taxonomy of Angiosperms |
| Friday 17/02/2023 | 68 | ELECTRONICS Paper–III (19201226) Semiconductor Devices | 69 | Friday 17/02/2023 | PSYCHOLOGY Paper–III (19201217) Fundamental Psychology |
| | 70 | PHYSICAL GEOGRAPHY Paper – III (19201235) Human Geography I | 71 | | GEOLOGY Paper–III (19201214) CRYSTALLOGRAPHY |
| Monday 20/02/2023 | 72 | ELECTRONICS Paper–IV (19201227) Digital Electronics | 73 | Monday 20/02/2023 | PSYCHOLOGY Paper–IV (19201218) Developmental Psychology |
| | 74 | PHYSICAL GEOGRAPHY Paper – IV (19201236) Human Geography II | 75 | | GEOLOGY Paper–IV (19201215) MINERALOGY |

B.Sc. Sem-II **New (First Year) (w.e.f. June 2019)**

| Day & Date | Sr. No. | SUBJECT Time: 12:00 p.m. to 02:00 p.m | Candidates note that Democracy, Elections and Good Governance Examination will be conducted in their Parent (home) College |
|----------------------|---------|---|--|
| Sunday 12/02/2023 | 600 | Democracy, Elections and Good Governance (19DEG) | |

B.Sc. Sem - III (w.e.f. June 2020)**(CBCS Pattern-2019)**

| Day & Date | Sr. No | Subject Time: 9:00 a.m. to 11:00 a.m | Day & Date | Sr. No | Subject Time: 9:00 a.m. to 11:00 a.m |
|-------------------------|--------|--|-------------------------|--------|--|
| Tuesday 21/02/2023 | 76 | CHEMISTRY Paper-V (19201305) Organic Chemistry | Saturday 04/03/2023 | 77 | COMPUTER SCIENCE Paper-V (19201307) Data Structure |
| Wednesday 22/02/2023 | 78 | CHEMISTRY Paper-VI (19201306) Inorganic Chemistry | Monday 06/03/2023 | 79 | COMPUTER SCIENCE Paper-VI (19201308) Design analysis and Algorithm |
| Thursday 23/02/2023 | 80 | PHYSICS Paper-V (19201323) General Physics and Sound | Wednesday 08/03/2023 | 81 | BIO-CHEMISTRY Paper-I (19201303) Biomolecules |
| | | | | 82 | PLANT PROTECTION Paper-I (19201325) Major crops and methods of integrated plant protection. |
| Friday 24/02/2023 | 83 | PHYSICS Paper-VI (19201324) Electronics | Thursday 09/03/2023 | 84 | BIO-CHEMISTRY Paper-II (19201304) Biochemical Techniques |
| | | | | 85 | PLANT PROTECTION Paper-II (19201326) Crop Diseases and their management |
| Saturday 25/02/2023 | 86 | STATISTICS Paper-V (19201329) Probability Distributions - I | Friday 10/03/2023 | 87 | METEOROLOGY Paper-I (19201321) Climatology |
| | | | | 88 | GEO-CHEMISTRY Paper-I (19201313) Introduction to Geochemistry |
| | | | | 89 | ZOOLOGY Paper-V (19201331) Cell Biology |
| Monday 27/02/2023 | 90 | STATISTICS Paper-VI (19201330) Statistical Methods | Saturday 11/03/2023 | 91 | METEOROLOGY Paper-II (19201322) General Meteorology |
| | | | | 92 | GEO-CHEMISTRY Paper-II (19201314) Introduction to Solar System and Geo- Sphers |
| | | | | 93 | ZOOLOGY Paper-VI (19201332) Principles of Ecology |
| Tuesday 28/02/2023 | 94 | MATHEMATICS Paper-V (19201319) Differential Calculus | Monday 13/03/2023 | 95 | BOTANY Paper-V (19201301) Plant Anatomy |
| Wednesday 01/03/2023 | 96 | MATHEMATICS Paper-VI (19201320) Laplace Transform | Tuesday 14/03/2023 | 97 | BOTANY Paper-VI (19201302) Plant metabolism |
| Thursday 02/03/2023 | 98 | ELECTRONICS Paper-V (19201309) Electronic Circuits | Wednesday 15/03/2023 | 99 | PSYCHOLOGY Paper-V (19201327) Experimental Psychology |
| | 100 | GEOGRAPHY Paper-V (19201311) Climatology | | 101 | GEOLOGY Paper-V (19201315) IGNEOUS PETROLOGY |
| | | | | 102 | MICROBIOLOGY Paper-V (19201317) Bacterial Cytology and Physiology |
| Friday 03/03/2023 | 103 | ELECTRONICS Paper-VI (19201310) Pulse & Switching Circuits | Thursday 16/03/2023 | 104 | PSYCHOLOGY Paper-VI (19201328) Social Psychology |
| | 105 | GEOGRAPHY Paper-VI (19201312) Geography of India | | 106 | GEOLOGY Paper-VI (19201316) SEDIMENTARY AND METAMORPHIC PETROLOGY |
| | | | | 107 | MICROBIOLOGY Paper-VI (19201318) Bacterial Genetics |

| B.Sc. Sem – IV (w.e.f. Nov 2020) (CBCS Pattern-2019) | | | | | |
|---|--------|---|---------------------------------------|---------|---|
| Day & Date | Sr. No | Subject Time: 12:00 p.m. to 2:00 p.m | Day & Date | Sr. No. | Subject Time: 3:00 p.m. to 5:00 p.m |
| Tuesday 21/02/2023 | 108 | CHEMISTRY Paper–VII (19201407) Physical Chemistry | Tuesday 21/02/2023 | 109 | COMPUTER SCIENCE Paper- VII (19201410) Software Engineering |
| Wednesday 22/02/2023 | 110 | CHEMISTRY Paper–VIII (19201408) Analytical & Industrial Inorganic Chemistry | Wednesday 22/02/2023 | 111 | COMPUTER SCIENCE Paper– VIII (19201411) Database Management System |
| Thursday 23/02/2023 | 112 | PHYSICS Paper-VII (19201434) Optics | Thursday 23/02/2023 | 113 | BIO-CHEMISTRY Paper-III (19201404) NUTRITION AND METABOLISM |
| | | | | 114 | PLANT PROTECTION Paper–VII (19201437) Introduction to weeds & non insect pests |
| Friday 24/02/2023 | 115 | PHYSICS Paper-VIII (19201435) Modern Physics | Friday 24/02/2023 | 116 | BIO-CHEMISTRY Paper-IV (19201405) MOLECULAR BIOCHEMISTRY & DISEASES |
| | | | | 117 | PLANT PROTECTION Paper–VIII (19201438) Insect pests and their Management. |
| Saturday 25/02/2023 | 118 | STATISTICS Paper–VII (19201443) Probability Distributions - II | Saturday 25/02/2023 | 119 | METEOROLOGY Paper–III (19201431) Applied Climatology |
| | | | | 120 | GEO-CHEMISTRY Paper-III (19201419) Principles of Geochemistry |
| | | | | 121 | ZOOLOGY Paper–VII (19201446) Fundamentals of Biochemistry |
| Monday 27/02/2023 | 122 | STATISTICS Paper–VIII (19201444) Applied Statistics | Monday 27/02/2023 | 123 | METEOROLOGY Paper–IV (19201432) Meteorological Instruments |
| | | | | 124 | GEO-CHEMISTRY Paper-IV (19201420) Chemistry of the Earth |
| | | | | 125 | ZOOLOGY Paper–VIII (19201447) ANIMAL PHYSIOLOGY: CONTROLLING AND COORDINATING SYSTEMS |
| Tuesday 28/02/2023 | 126 | MATHEMATICS Paper–VII (19201428) Differential Equations | Tuesday 28/02/2023 | 127 | BOTANY Paper–VII (19201401) Plant Physiology |
| Wednesday 01/03/2023 | 128 | MATHEMATICS Paper–VIII (19201429) Abstract Algebra – I | Wednesday 01/03/2023 | 129 | BOTANY Paper–VIII (19201402) EMBRYOLOGY OF ANGIOSPERMS |
| Thursday 02/03/2023 | 130 | GEOGRAPHY Paper–VII (19201416) Economic Geography | Thursday 02/03/2023 | 131 | PSYCHOLOGY Paper–VII (19201440) Cognitive Psychology |
| | 132 | ELECTRONICS Paper–VII (19201413) Operational Amplifier and Applications | | 133 | GEOLOGY Paper–VII (19201422) STRATIGRAPHY |
| | | | | 134 | MICROBIOLOGY Paper–VII (19201425) Immunology & Medical Microbiology |
| Friday 03/03/2023 | 135 | GEOGRAPHY Paper–VIII (19201417) Environmental Geography | Friday 03/03/2023 | 136 | PSYCHOLOGY Paper–VIII (19201441) Positive Psychology |
| | 137 | ELECTRONICS Paper–VIII (19201414) Digital Techniques and Microprocessor | | 138 | GEOLOGY Paper–VIII (19201423) PALAEOONTOLOGY |
| | | | | 139 | MICROBIOLOGY Paper–VIII (19201426) Industrial Microbiology |

| B.Sc. Sem-IV (w.e.f. Nov 2021) (CBCS Pattern-2019) | | | |
|---|----------------|--|--|
| Day & Date | Sr. No. | SUBJECT Time: 3:00 p.m. to 5:00 p.m | Candidates note that Environmental Studies Examination will be conducted in their Parent (home) College |
| Sunday 12/02/2023 | 601 | Environmental Studies (ENS) | |

| B.Sc. Sem - V (New w.e.f. June 2020) (CBCS Pattern-2019) | | |
|---|---------|--|
| Day & Date | Sr. No. | Subject Time: 3:00 p.m. to 6:00 p.m |
| Friday 27/01/2023 | 140 | English (Compulsory) (19201500) Literary Mindscapes - I |
| | | Special Paper - IX |
| Saturday 28/01/2023 | 141 | Physics Paper- IX (19201511) Mathematical Physics & Statistical Physics |
| | 142 | Chemistry Paper- IX (19201506) Physical Chemistry |
| | 143 | Botany Paper- IX (19201501) PLANT SYSTEMATICS |
| | 144 | Zoology Paper- IX (19201520) Molecular Biology |
| | 145 | Mathematics Paper- IX (19201524) Algebra-II |
| | 146 | Statistics Paper- IX (19201528) Statistical Inference– I |
| | 147 | Geology Paper- IX (19201534) Economic Geology |
| | 148 | Microbiology Paper- IX (19201539) Virology |
| | 149 | Electronics Paper- IX (19201548) Linear Integrated Circuits and Applications |
| | 150 | Computer Science Paper- IX (19201543) Visual Programming Using C# |
| | | Special Paper – X |
| Monday 30/01/2023 | 151 | Physics Paper-X (19201512) Solid State Physics |
| | 152 | Chemistry Paper- X (19201507) Inorganic Chemistry |
| | 153 | Botany Paper- X (19201502) Genetics |
| | 154 | Zoology Paper- X (19201521) Principles of Genetics |
| | 155 | Mathematics Paper- X (19201525) Complex Analysis |
| | 156 | Statistics Paper- X (19201529) Probability Distributions |
| | 157 | Geology Paper- X (19201535) Hydrogeology |
| | 158 | Microbiology Paper- X (19201540) Agricultural Microbiology |
| | 159 | Electronics Paper- X (19201549) Fundamentals of Microcontroller |
| | 160 | Computer Science Paper- X (19201544) Core Java |

B.Sc. Sem - V (New w.e.f. June 2021)
(CBCS Pattern-2019)

(Cont...)

| Day & Date | Sr. No. | Subject Time: 3:00 p.m. to 6:00 p.m |
|---------------------------------|----------------------------|---|
| | | Special Paper - XI |
| Tuesday 31/01/2023 | 161 | Physics Paper XI (19201513) Classical Mechanics |
| | 162 | Chemistry Paper XI (19201508) Organic Chemistry |
| | 163 | Botany Paper XI (19201503) MOLECULAR BIOLOGY |
| | 164 | Zoology Paper XI (19201522) Endocrinology |
| | 165 | Mathematics Paper XI (19201526) Real Analysis |
| | 166 | Statistics Paper XI (19201530) Sampling Techniques |
| | 167 | Geology Paper XI (19201536) Applied Geology – Engineering Geology |
| | 168 | Microbiology Paper XI (19201541) Immunology |
| | 169 | Electronics Paper XI (19201550) Sensors and Transducers |
| | 170 | Computer Science Paper XI (19201545) Operating System |
| | | Special Paper - XII |
| Wednesday 01/02/2023 | 171 | Physics Paper XII Nuclear Physics (19201514) |
| | 172 | Chemistry Paper XII Analytical and Industrial Physical Chemistry (19201509) |
| | | OR |
| | 173 | Methodology and Materials of Industrial Importance (19201510) |
| | 174 | Botany Paper XII Plant Breeding (19201504) |
| | OR | |
| 175 | ECONOMIC BOTANY (19201505) | |

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|-----|---|
| 176 | Zoology Paper XII Wildlife Conservation & Management (19201523) |
| 177 | Mathematics Paper XII Partial Differential Equations (19201527-A) OR |
| 178 | Mathematical Analysis (19201527-B) |
| 179 | Statistics Paper XII Operations Research (19201531) OR |
| 180 | Regression Analysis (19201532) |
| 181 | Geology Paper XII Applied Geology – Prospecting and Mining Geology (19201537) |
| 182 | Microbiology Paper XII Industrial Microbiology (19201542) |
| 183 | Electronics Paper XII Biomedical Electronics (19201551) OR |
| 184 | Electronics Communication(19201552) |
| 185 | Computer Science Paper XII Python (19201546) |

B.Sc. Sem - V (New w.e.f. June 2021) (Cont...)
(CBCS Pattern-2019)

Skill Based Course Added on Courses

| Day & Date | Sr. No. | Subject Time: 3:00 p.m. to 6:00 p.m |
|------------------------------------|----------------|--|
| | | Special Paper - XI |
| Friday 02/02/2023 | 186 | Certificate Course in testing and Repairs of Electric Appliances (19201515) |
| | 187 | Thin film deposition and Characterization Techniques (19201516) |
| | 188 | Scientific Research Substrate Cleaning Paper Writing and Publications (19201517) |
| | 189 | Medical Physics (19201518) |
| | 190 | Energy Resources (19201519) |
| | 191 | Geoinformatics (19201538) |
| | 192 | Linux (19201547) |
| | 193 | MS-EXCEL (19201533) |

| B.Sc. Sem – VI (New w.e.f. Nov. 2021) (CBCS Pattern-2019) | | |
|--|---------|---|
| Day & Date | Sr. No. | Subject Time: 3:00 p.m. to 6:00 p.m |
| Friday 03/02/2023 | 194 | English (Compulsory) (19201600) Literary Mindscapes - I |
| | | Special Paper-XIII |
| Saturday 04/02/2023 | 195 | Physics Paper-XIV (19201619) Electrodynamics |
| | 196 | Chemistry Paper-XIII (19201610) Physical Chemistry |
| | 197 | Botany Paper- XIII (19201601) Plant Pathology |
| | 198 | Zoology Paper- XIII (19201627) Animal Physiology: Life Sustaining Systems |
| | 199 | Mathematics Paper- XIII (19201635) Metric Spaces |
| | 200 | Statistics Paper- XIII (19201643) Statistical Inference-II |
| | 201 | Geology Paper- XIII (19201652) Photogeology & Remote Sensing |
| | 202 | Microbiology Paper- XIII (19201660) Microbial Genetics |
| | 203 | Electronics Paper- XIII (19201676) Power Electronics |
| | 204 | Computer Science Paper- XIV (19201668) Web Technology |
| | | Special Paper -XIV |
| Monday 06/02/2023 | 205 | Physics Paper-XV Materials Science (19201620) |
| | 206 | Chemistry Paper- XIV Inorganic Chemistry (19201611) |
| | 207 | Botany Paper- XIV Plant Biotechnology (19201602) |
| | 208 | Zoology Paper- XIV - Evolutionary Biology (19201628) |
| | 209 | Mathematics Paper- XIV Numerical Analysis (19201636) |
| | 210 | Statistics Paper- XIV Probability Theory (19201644) |
| | 211 | Geology Paper- XIV Geomorphology and Geotectonics (19201653) |
| | 212 | Microbiology Paper- XIV Microbial Biochemistry (19201661) |
| | 213 | Electronics Paper- XIV Embedded System Design (19201677) |
| | 214 | Computer Science Paper- XV Advanced Java (19201669) |

| B.Sc. Sem – VI (New w.e.f. Nov. 2021) (CBCS Pattern-2019) | | |
|--|---|---|
| Day & Date | Sr. No | Subject Time: 3:00 p.m. to 6:00 p.m |
| | | Special Paper XV |
| Tuesday 07/02/2023 | 215 | Physics Paper-XVI (19201621) Atomic, Molecular Physics and Quantum Mechanics |
| | 216 | Chemistry Paper- XV (19201612) Organic Chemistry |
| | 217 | Botany Paper- XV (19201603) Cell Biology |
| | 218 | Zoology Paper- XV (19201629) Animal Behavior And Chronobiology |
| | 219 | Mathematics Paper- XV (19201637) Graph Theory |
| | 220 | Statistics Paper- XV (19201645) Designs of Experiments |
| | 221 | Geology Paper- XV (19201654) -Environmental Geology |
| | 222 | Microbiology Paper- XV (19201662) Clinical Microbiology |
| | 223 | Electronics Paper- XV (19201678) Electronics Instrumentation |
| | 224 | Computer Science Paper- XVI (19201670) Data Communication and Networking – II |
| | | Special Paper XVI |
| Wednesday 08/02/2023 | 225 | Physics Paper-XVII Electronics (19201622) |
| | 226 | Chemistry Paper- XVI Analytical and Industrial Organic Chemistry(19201617) |
| | 227 | OR Applied Organic Chemistry (19201618) |
| | 228 | Botany Paper- XVI Nursery, Gardening & Horticulture (19201608) |
| | 229 | OR Biostatistics (19201609) |
| | 230 | Zoology Paper- XVI Applied Zoology (19201630) |
| 231 | Mathematics Paper- XVI Integral Calculus (19201638-A) | |
| 232 | OR Programming in C (19201638-B) | |

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|--------------------------------|-----|---|
| | 233 | Statistics Paper- XVI Quality Management and Reliability (19201650) |
| | | OR |
| | 234 | Time Series Analysis (19201651) |
| | 235 | Geology Paper- XVI (19201655) Geochemistry |
| | 236 | Microbiology Paper- XVI (19201663) Environmental Microbiology |
| | 237 | Electronics Paper- XVI Virtual Instrumentation (19201683) |
| | | OR |
| | 238 | Modern Communication Systems (19201684) |
| | 239 | Computer Science Paper- XVII (19201671) Advanced Python |
| Thursday 09/02/2023 | 240 | Software Testing (19201671-01) |

B.Sc. Sem – VI (w.e.f. Nov. 2018)
(CBCS Pattern-2016) (Old up to OCT-2022)

| Day & Date | Sr. No. | Subject Time: 3:00 p.m. to 5:30 p.m |
|--------------------------------------|----------------|---|
| Friday 03/02/2023 | 241 | English (Compulsory) (201601) Literary Quest |
| | | Special Paper-XIII |
| Saturday 04/02/2023 | 242 | Physics Paper-XIII (201602) Electrodynamics |
| | 243 | Chemistry Paper-XIII (201607) Physical Chemistry |
| | 244 | Botany Paper- XIII (201617) Molecular Biology |
| | 245 | Zoology Paper- XIII (201622) Physiology |
| | 246 | Mathematics Paper- XIII (201612) Metric Spaces |
| | 247 | Statistics Paper- XIII (201642) Statistical Inference–II |
| | 248 | Geology Paper- XIII (201627) Economic Geology and Prospecting |
| | 249 | Microbiology Paper- XIII (201632) Microbial Genetics |
| | 250 | Electronics Paper- XIII (201637) Power Electronics |
| | 251 | Computer Science Paper- XIII (201647) Web Technology |
| | | Special Paper -XIV |
| Monday 06/02/2023 | 252 | Physics Paper-XIV Materials Science (201603) |
| | 253 | Chemistry Paper- XIV Inorganic Chemistry (201608) |
| | 254 | Botany Paper- XIV Plant Biotechnology (201618) |
| | 255 | Zoology Paper- XIV Economic Zoology (201623) |
| | 256 | Mathematics Paper- XIV Numerical Analysis (201613) |
| | 257 | Statistics Paper- XIV Probability Theory (201643) |
| | 258 | Geology Paper- XIV Environmental Geology (201628) |
| | 259 | Microbiology Paper- XIV Microbial Biochemistry (201633) |
| | 260 | Electronics Paper- XIV Embedded System Design (201638) |
| | 261 | Computer Science Paper- XIV Advanced Java (201648) |

| B.Sc. Sem – VI (w.e.f. Nov. 2018) (CBCS Pattern-2016) (Old up to OCT-2022) | | |
|---|--|---|
| Day & Date | Sr. No | Subject Time: 3:00 p.m. to 5:30 p.m |
| | | Special Paper XV |
| Tuesday 07/02/2023 | 262 | Physics Paper-XV (201604) Atomic, Molecular Physics and Quantum Mechanics |
| | 263 | Chemistry Paper- XV (201609) Organic Chemistry |
| | 264 | Botany Paper- XV (201619) Plant Metabolism |
| | 265 | Zoology Paper- XV (201624) Molecular Biology and Biotechnology |
| | 266 | Mathematics Paper- XV (201614) Programming in C |
| | 267 | Statistics Paper- XV (201644) Designs of Experiments |
| | 268 | Geology Paper- XV (201629) Stratigraphy of India Part – II |
| | 269 | Microbiology Paper- XV (201634) Environmental Microbiology |
| | 270 | Electronics Paper- XV (201639) Electronics Instrumentation |
| | 271 | Computer Science Paper- XV (201649) Data Communication and Networking – II |
| | | Special Paper XVI |
| Wednesday 08/02/2023 | 272 | Physics Paper-XVI Electronics (201605) |
| | 273 | OR Instrumentation (201652) |
| | 274 | Chemistry Paper- XVI Analytical and Industrial Organic Chemistry(201610) |
| | 275 | OR Applied Organic Chemistry (201653) |
| | 276 | Botany Paper- XVI Biostatistics (201620) |
| | 277 | OR Horticultural practices and post harvest technology (201655) |
| | 278 | Zoology Paper- XVI Endocrinology, Environmental Biology and Toxicology (201625) |
| | 279 | OR Techniques in Biology (201656) |
| 280 | Mathematics Paper- XVI Integral Transform (201615) | |
| 281 | OR Graph Theory and Combinatorics (201654) | |

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|-----|---|
| 282 | Statistics Paper- XVI Quality Management and Reliability (201645) |
| 283 | OR Time Series Analysis (201660) |
| 284 | Geology Paper- XVI (201657) Applied Geology Part – II |
| 285 | OR Geochemistry (201630) |
| 286 | Microbiology Paper- XVI Clinical Microbiology-I (201635) |
| 287 | OR Clinical Microbiology-II (201658) |
| 288 | Electronics Paper- XVI Virtual Instrumentation (201640) |
| 289 | OR Modern Communication Systems (201659) |
| 290 | Computer Science Paper- XVI Angular JS (201650) |
| 291 | OR Linux Operating System (201661) |

Note:

1. The Practical Examination will be CONDUCTED BEFORE /AFTER THE THEORY EXAMINATION AND THE PROGRAM WILL BE COMMUNICATED SEPARATELY.
2. The students are allowed to use the calculators for Numerical calculations at their own cost. University will not supply such calculators.
3. 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.
4. The Examination Programme is subject to change. If there is any change the University is not responsible for the loss or inconvenience caused to the candidates.
5. (**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)

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Ref No.: PAHSUS/EXAM/TIME-TABLE/2023/130

Date: 17/01/2023

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Board of Examinations and Evaluation