



PUNYASHLOKAHILYADEVIHOLKARSOLAPUR UNIVERSITY, SOLAPUR

FINAL PROGRAM OF B.Sc.(E.C.S.) SEMESTER-ITO VI MAR/APR.-2025

EXAMINATION TO BE HELD IN APR. 2025

1. Students should see their Seat No. and Name in the Name list and mistakes if any should be communicate 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. If the 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 Examination **FIFTEEN MINUTES** before the time starting of the first paper and **TEN MINUTES** before the time of starting of each subsequent paper Candidates are for bidden to take any book or paper in to 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. All the Candidates are asked to follow the timely instructions given by University in accordance with the examination methodology.
5. 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 तरतुदी नुसार अपंग विद्यार्थ्यांना ऑनलाईन व ऑफलाईन परीक्षेमध्ये सर्वसाधारण विद्यार्थ्यांपेक्षा १ तासाला कमीतकमी २० मिनीट इतका वेळ वाढवून देण्यास सर्वानुमते मान्यता देण्यात आली.)

The Centers & Places of the Examinations will be as under.

| | | | |
|----|------------|--------|--|
| 1 | SOLAPUR | DAV | DAV Velankar College, Solapur |
| 2 | | VGS | V.G. Shivdare College |
| 3 | PANDHARPUR | KBP | Karmveer Bhaurao Patil Mahavidyalaya |
| 4 | Sangola | SANG | Sangola College |
| 5 | | GDMAS | Dr. Ganpatrao Deshmukh Mahavidyalaya |
| 6 | | DASPM | Dipak Aba Salunkhe Patil Mahavidyalaya, Kole |
| 7 | AKLUJ | GCCTA | Green Fingers College of Computer & Technology |
| 8 | NATEPUTE | SMSMPM | S.M. Shankarrao Mohite Patil College |
| 9 | MALSHIRAS | SGAC | Sameer Gandhi Kala Mahavidyalaya |
| 10 | AKLUJ | SIITP | Shriram Institute of Information Technology, Paniv |

Note: According to the students strength Examination centers may be changed before Examinations.

- वरील तक्त्यात दर्शविलेल्या परीक्षाकेंद्रा व्यतिरिक्त प्रथम वर्ष अभ्यासक्रमासाठी संबंधित महाविद्यालयास परीक्षाकेंद्र देण्यात आलेले आहे. त्यानुसार पुढील योग्यती कार्यवाही करण्यात यावी.

| B.Sc.(E.C.S.) Sem-I (w.e.f.June2022) (CBCSPattern-2022) (Old up to MAR-2025) | | | |
|---|------------------|----------------|---|
| Day&Date | Paper No. | Sr. No. | Subject Time: 12:00p.m.To02:00p.m. |
| Thursday 08/05/2025 | I | 1 | English(Comp.)(ECS1101) Communication Skill |
| Friday 09/05/2025 | II | 2 | Fundamental of Computer(ECS1102) |
| Saturday 10/05/2025 | III | 3 | Basics of Operating System(ECS1103) |
| Tuesday 13/05/2025 | IV | 4 | Programming using 'C(ECS1104) |
| Wednesday 14/05/2025 | V | 5 | Python-I(ECS1105) |
| Thursday 15/05/2025 | VI | 6 | Numerical Methods(ECS1106) |
| Friday 16/05/2025 | VII | 7 | Graph Theory(ECS1107) |
| Saturday 17/05/2025 | VIII | 8 | Basic Electronics Paper-I(ECS1108) |
| Monday 19/05/2025 | IX | 9 | Advanced Electronics Paper-II(ECS1109) |

| B.Sc. (E.C.S.)Sem-II(NEWw.e.f. June2022) (CBCSPattern-2022) | | | |
|--|------------------|----------------|---|
| Day&Date | Paper No. | Sr. No. | Subject Time: 12:00 p.m. to 2:00 p.m |
| Thursday 22/05/2025 | I | 10 | English(Comp.)(ECS1201) Communication Skill |
| Friday 23/05/2025 | II | 11 | IntroductiontoWebTechnology(ECS1202) |
| Saturday 24/05/2025 | III | 12 | OperatingSystem(ECS1203) |
| Monday 26/05/2025 | IV | 13 | ObjectOrientedProgrammingusingC++(ECS1204) |
| Tuesday 27/05/2025 | V | 14 | Python-II(ECS1205) |
| Wednesday 28/05/2025 | VI | 15 | LinearAlgebra(ECS1206) |
| Thursday 29/05/2025 | VII | 16 | DiscreteMathematics(ECS1207) |
| Friday 30/05/2025 | VIII | 17 | DigitalElectronicsandMicroprocessor (ECS1208) |
| Monday 02/06/2025 | IX | 18 | IntroductiontoMicrocontrollerandEmbeddedSystem(EC S1209) |

| B.Sc.(E.C.S.) Sem-III (Neww.e.f.June2023) (CBCSPattern-2022) | | | |
|---|------------------|----------------|--|
| Day&Date | Paper No. | Sr. No. | Subject Time: 09:00a.m.to11:00a.m. |
| Thursday 05/06/2025 | I | 19 | DataStructureusingC++-I(ECS1301) |
| Friday 06/06/2025 | II | 20 | Linux OS and Shell Scripting (ECS1302) |
| Monday 09/06/2025 | III | 21 | SoftwareEngineering(ECS1303) |
| Tuesday 10/06/2025 | IV | 22 | Database Management System-I (ECS1304) |
| Wednesday 11/06/2025 | V | 23 | Probability Theory (ECS1305) |
| Thursday 12/06/2025 | VI | 24 | Data Science with Python (ECS1306) |
| Friday 13/06/2025 | VII | 25 | Web Development using PHP (SEC-1) (Time: 09:00a.m.to12:00p.m.) |

| B.Sc. (E.C.S.) Sem – III (w.e.f. June 2020-21) (CBCSPattern-2019) | | | |
|---|------------------|----------------|---|
| Day & Date | Paper No. | Sr. No. | Subject Time: 9:00 a.m.To 11:00 a.m. |
| Thursday 05/06/2025 | I | 26 | Probability Theory-I (ECS0305) |
| Friday 06/06/2025 | | 27 | Introduction to Python Programming (ECS0307) |

| B.Sc.(E.C.S.)Sem-IV(New w.e.f. Nov 2023) (CBCS Pattern-2022) | | | |
|---|------------------|----------------|--|
| Day&Date | Paper No. | Sr. No. | Subject Time: 12:00 p.m. to 2:00 p.m. |
| Wednesday 30/04/2025 | DSC 1D | 28 | Data Structure using C++ -II (ECS1401) |
| Friday 02/05/2025 | DSC 1D | 29 | Core Java (ECS1402) |
| Saturday 03/05/2025 | DSC 2D | 30 | Software Testing (ECS1403) |
| Monday 05/05/2025 | DSC 2D | 31 | Database Management System-II (ECS1404) |
| Tuesday 06/05/2025 | DSC 3D | 32 | Descriptive Statistics (ECS1405) |
| Wednesday 07/05/2025 | DSC 3D | 33 | Data Visualization (ECS1406) |

| B.Sc.(E.C.S.)Sem-IV(w.e.f.Nov 2020) (CBCSPattern-2019) | | | |
|---|------------------|----------------|--|
| Day&Date | Paper No. | Sr. No. | Subject Time: 12:00 p.m. to 2:00 p.m. |
| Wednesday 30/04/2025 | DSC 2D | 63 | Operating System (ECS0403) |
| Friday 02/05/2025 | DSC 3D (GE-4) | 64 | Optimization techniques (ECS0406) |

| <u>B.Sc.(E.C.S.)Sem-V(Neww.e.f.June2024)</u> <u>(CBCSPattern-2022)</u> | | | |
|---|------------------|----------------|---|
| Day&Date | Paper No. | Sr. No. | Subject Time:9:00 a.m.to 12:00p.m. |
| Wednesday 30/04/2025 | I | 34 | English (Comp.) (ECS1501) (BusinessEnglish) |
| Friday 02/05/2025 | II | 35 | DataCommunicationandNetworking(ECS1502) |
| Saturday 03/05/2025 | III | 36 | Advanced Java (ECS1503) |
| Monday 05/05/2025 | IV | 37 | Dot NET Core (ECS1504) |
| Tuesday 06/05/2025 | V | 38 39 40 | A) Advanced Python Programming (ECS1505-A) OR B) Theory of Computation (ECS1505-B) OR C) Mobile Application and Development (ECS1505-C) |

| <u>B.Sc.(E.C.S.)-V(Neww.e.f.June2024)(Cont...)</u> <u>(CBCSPattern-2022)</u> | | |
|---|----------------|---|
| SkillBasedCourseAddedonCourses | | |
| Day&Date | Sr. No. | Subject Time:9:00 a.m.to 12:00p.m. |
| | | SpecialPaper-XI |
| Wednesday 07/05/2025 | 41 | Artificial Intelligence (ECS1506) |

| <u>B.Sc. (E.C.S.) Sem – V (New w.e.f. June 2018)</u> <u>(CBCS Pattern-2016)</u> | | | |
|--|------------------|----------------|--|
| Day & Date | Paper No. | Sr. No. | Subject Time:9:00 a.m.to 12:00p.m.. |
| | V | 42 | Web technology and E-commerce –I (2013505) |

| B.Sc.(E.C.S.)Sem-V(w.e.f.June2021) (CBCSPattern-2019) (Old up to MAR.- 2025) | | | |
|---|-----------|---------|---|
| Day&Date | Paper No. | Sr. No. | Subject Time:9:00 a.m.to 12:00p.m. |
| Wednesday 30/04/2025 | I | 43 | English (Comp.) (ECS0501) (BusinessEnglish) Time:9:00 a.m.to 11:00 a.m. |
| Friday 02/05/2025 | II | 44 | Data Communication and Networking (ECS0502) |
| Saturday 03/05/2025 | III | 45 | Theory of Computer Science (ECS0503) |
| Monday 05/05/2025 | IV | 46 | Visual Programming (ECS0504) |
| Tuesday 06/05/2025 | V | 47 | Advanced Java (ECS0505) |

| B.Sc.(E.C.S.)-V (Neww.e.f.June 2021) (Cont...) (CBCSPattern-2019) | | |
|--|---------|---------------------------------------|
| Skill Based Course Added on Courses | | |
| Day&Date | Sr. No. | Subject Time:9:00 a.m.to 12:00p.m. |
| | | Special Paper-XI |
| Wednesday 07/05/2025 | 48 | Advanced Python Programming (ECS0506) |

| B.Sc.(E.C.S.)Sem-VI (Neww.e.f.Nov.2024) (CBCSPattern-2022) | | | |
|---|-----------|---------|--|
| Day & Date | Paper No. | Sr. No. | Subject Time:03:00 p.m.to 06:00 p.m. |
| Wednesday 30/04/2025 | I | 49 | English(Comp.) (ECS1601) Business English |
| Friday 02/05/2025 | II | 50 | Network Security(ECS1602) |
| Saturday 03/05/2025 | III | 51 | Data Warehousing and Data Mining(ECS1603) |
| Monday 05/05/2025 | IV | 52 | ASP.Net Core MVC(ECS1604) |
| Tuesday 06/05/2025 | V | 53 | React JS(ECS1605-A) |
| | | 54 | OR Compiler Construction (ECS1605-B) |
| | | 55 | OR Internet of things (ECS1605-C) |

| B.Sc.(E.C.S.)Sem–VI (Neww.e.f.Nov.2024)(Cont...) (CBCSPattern-2022) | | |
|--|---------|--|
| SkillBasedCourseAddedonCourses | | |
| Day & Date | Sr. No. | Subject Time:3:00 p.m.to 6:00 p.m |
| | | Special Paper-XI |
| Wednesday 07/05/2025 | 56 | Mobile Application Development (ECS0606) |

| B.Sc.(E.C.S.)Sem–VI (Neww.e.f.Nov.2021) (CBCS Pattern-2019) (Old up to OCT-2025) | | | |
|---|-----------|---------|---|
| Day & Date | Paper No. | Sr. No. | Subject Time:3:00 p.m.to 6:00 p.m. |
| Wednesday 30/04/2025 | I | 57 | English (Comp.) (ECS0601) (BusinessEnglish |
| Friday 02/05/2025 | II | 58 | System Security (ECS0602) |
| Saturday 03/05/2025 | III | 59 | Compiler Construction (ECS0603) |
| Monday 05/05/2025 | IV | 60 | Internet Programming using ASP.Net (ECS0604) |
| Tuesday 06/05/2025 | V | 61 | Angular JS(ECS0605) |

| B.Sc.(E.C.S.)Sem–VI (New w.e.f.Oct. 2021)(Cont...) (CBCS Pattern-2019) (Old up to OCT-2025) | | |
|--|---------|--|
| Skill Based Course Added on Courses | | |
| Day&Date | Sr. No. | Subject Time: 3:00p.m. to 6:00p.m Special Paper-XI |
| Wednesday 07/05/2025 | 62 | Mobile Application Development (ECS0606) |

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).
6. The Theory Exam of 20 Marks Paper are conducted at College level.
7. Democracy, Election and Good Governance and Environmental Studies Exam conducted at college level.
(As per University Circular No. 65 dt. 26 Oct. 2023)

Please Visit- sus.ac.in

Ref No.: PAHSUS/EXAM/TIME-TABLE/2025/620

Date: 17/04/2025

Sd/-
Director
Board of Examinations and Evaluation

| Pattern 2019 Paper Code | B.Sc (ECS) -I Semester - I Subject | Pattern 2022 Paper Code | B.Sc (ECS) -I Semester - I Subject |
|----------------------------------|--|-------------------------------|--|
| ECS0101 | English (Comp.) | ECS1101 | English (Comp.) |
| ECS0102 | Fundamentals of Programming using C and C++ – I | ECS1104 | Programming using 'C |
| ECS0103 | Fundamentals of Programming using C and C++ – II | ECS1204 | Object Oriented Programming using C++ |
| ECS0104 | Computer System Architecture – I | | No Equivalence |
| ECS0105 | Computer System Architecture – II | | No Equivalence |
| ECS0106 | Fundamental of Computer system – I | ECS1102 | Fundamental of Computer |
| ECS0107 | Fundamental of Computer system – II | ECS1103 | Basics of Operating System |
| ECS0108 | Numerical Methods – I | ECS1206 | Linear Algebra |
| ECS0109 | Numerical Methods – II | ECS1106 | Numerical Methods |
| Pattern 2019 Paper Code | B.Sc (ECS) -I Semester - II Subject | Pattern 2022 Paper Code | B.Sc (ECS) -I Semester - II Subject |
| ECS0201 | English (Comp.) | ECS1201 | English (Comp.) |
| ECS0202 | Programming in JAVA – I | ECS1105 | Python - I |
| ECS0203 | Programming in JAVA – II | ECS1205 | Python - II |
| ECS0204 | Discrete Structures – I | ECS1107 | Graph Theory |
| ECS0205 | Discrete Structures – II | ECS1207 | Discrete Mathematics |
| ECS0206 | Introduction to Web Designing – I | ECS1202 | Introduction to Web Technology |
| ECS0207 | Introduction to Web Designing – II | | No Equivalence |
| ECS0208 | Digital Electronics – II | ECS1208 | Digital Electronics and Microprocessor |
| ECS0209 | Digital Electronics – II | | No Equivalence |
| Pattern 2019 Paper Code | B.Sc (ECS) - II Semester - III Subject | Pattern 2022 Paper Code | B.Sc (ECS) - II Semester - III Subject |
| ECS0301 | Data Structure using C++ -I | ECS1301 | Data Structure using C++-I |
| ECS0302 | Data Structure using C++ -II | ECS1401 | Data Structure using C++ -II |
| ECS0303 | Software Engineering | ECS1303 | Software Engineering |
| ECS0304 | Software Testing | ECS1403 | Software Testing |
| ECS0305 | Probability Theory –I | | No Equivalence |
| ECS0306 | Probability Theory-II | ECS1305 | Probability Theory |
| ECS0307 | Introduction to Python programming | | No Equivalence |
| Pattern 2019 Paper Code | B.Sc (ECS) - II Semester - IV Subject | Pattern 2022 Paper Code | B.Sc (ECS) - II Semester - IV Subject |
| ECS0401 | Database Management System | ECS1304 | Database Management System |
| ECS0402 | MySQL | ECS1404 | Database Management System-II |
| ECS0403 | Operating System | | No Equivalence |
| ECS0404 | Linux OS and Shell Scripting | ECS1302 | Linux OS and Shell Scripting |
| ECS0405 | Statistics for Data Science | ECS1405 | Descriptive Statistics |
| ECS0406 | Optimization Techniques | | No Equivalence |
| ECS0407 | Web Development Using PHP | SEC-1 | Web Development using PHP |

