

*Progressive Education Society's*  
**Modern College of Arts, Science and Commerce (Autonomous), Shivajinagar, Pune 5.**  
**ESE (End Semester Examination) October/November 2025 (2023 PATTERN)**  
**T.Y. B. Sc. (Computer Science) SEM-V REGULAR**

Course Type	Course	Course Code	Course / Paper Title	Credit	ESE Marks	DATE	TIME
Major Mandatory (4 + 4 + 2)	Major Core Paper 10 (Theory)	23CsCmpU5101	Web Technology & Programming in Core Java	4	60	11/11/2025	11.00 am to 1.00 pm
	Major Paper 11 (Theory)	23CsCmpU5102	Object Oriented Software Engineering & Theory of Computer Science	4	60	12/11/2025	11.00 am to 1.00 pm
	Major Paper 12 (Practical)	23CsCmpU5103	Lab Course on 23CsCmpU5101	2	30	At Department	
Major Electives	Elective I (Theory + Practical)	23CsCmpU5201	Android Programming ( T )	2	30	14/11/2025	11.00 am to 12.00 noon
		23CsCmpU5201	Android Programming ( P )	2	30	At Department	
	Elective I (Theory + Practical)	23CsMatU5202	Operations Research ( T )	2	30	14/11/2025	11.00 am to 12.00 noon
		23CsMatU5202	Operations Research ( P )	2	30	At Department	
	Elective I (Theory + Practical)	23CsEleU5203	Intel 8051 and AVR Microcontrollers (T)	2	30	14/11/2025	11.00 am to 12.00 noon
		23CsEleU5203	Intel 8051 and AVR Microcontrollers (P)	2	30	At Department	
Minor (4)	Minor Paper IV (Theory + Practical)	23CsMatU5301	Applied Sciences – IV ( T ) (Linear Algebra )	2	30	15/11/2025	11.00 am to 12.00 noon
		23CsMatU5301	Applied Sciences – IV ( P ) (Linear Algebra )	2	30	At Department	
VSC (2)	Major Specific Practical III	23CsEleU5501	Lab Course on Raspberry Pi Programming & Computer Maintenance	2	30	At Department	
FP / CEP(2)	FP –II	23CsCmpU5002	Field Project II	2	30	At Department	



**Dr. Yugandhar Shinde**  
Dy. COE



**Dr. R. M. Jagtap**  
COE



**Dr. Anjali Sardesai**  
V.P. (Academics)



**Dr. Nivedita Ekbote**  
Principal

**Instructions:**

1. Reach the examination hall strictly 15 minutes before examination time.
2. The Regular CIE examinations will be conducted in offline mode at college.
3. The seating arrangement will be provided by concerned Department one day before examination date.
4. Use of mobile phone and smart watch is strictly prohibited.
5. Use of calculator can be done with prior permission of concern Subject Teacher.
6. Signing the Attendance sheet of the examination is compulsory.
7. MOOC based extra credits examinations will be conducted along with the ESE examinations.