

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, CHHATRAPATI SAMBHAJINAGAR
M.Sc I,II,III & IV Semesters (Choice Based Credit Grading System 80/20 New Pattern 2021-2022)

Examinations Programme November/December-2025

The Examinations shall be held on the days, dates and time mentioned below at all Centers Simultaneously.

The Examinations shall be held on the days, dates and time mentioned below at all Centers Simultaneously.						
Examinations Dates & Days	Time	Name of Examinations Classes	Subjects Name	Paper Code Sr. No	Subjects Title	
Monday;-24.11.2025 (Day-01)	10am to 01pm	M.Sc. II Sem.	Physics	6611	Foundation Course in Electronics (Linear and Digital Electronics)-PHYF-211	
			Chemistry	6612	Analytical Chemistry-CHE-205	
			Botany	6613	Cytology and Genetics-BOT 406	
			Zoology	6614	Genetics and Bioinformatics-ZOO-201	
	10am to 12pm		Environmental Science	6615	Research Methology Part-II-ENV-002	
	10am to 01pm		Microbiology	6616	Resent Trends in Virology-Th-V	
			Mathematics	6617	Linear Algebra- MAT-411	
			Electronics	6618	8086 Microprocessor and interfacing -ELET-211	
			Biotechnology	6619	Molecular Biology-BTE 2001	
			Biophysics	6620	Physiology & Biophysics BPT-201	
		02pm to 05pm	M.Sc. IV Sem.	Physics	6621	Elective Paper A4-Advanced Sensor Technology PHYE-411
					6622	B4- Applied Spectroscopy PHYE-411
	6623				C4-Particle Physics,Nuclear Fores and Cosmic Rays PHYE-411	
	6624				D4-Magnetic Material & Super fluidity PHYE-411	
	Chemistry		6625	Elective Paper Advanced Analytical Techniques CHEA-417		
			6626	Organic Synthesis : Retrosynthetic Approach CHEO-417		
			6627	Drug Synthesis CHED-417		
			6628	Nuclear Chemistry CHEI-417		
			6629	Surface and Magnetochemistry CHEP-417		
	Botany		6630	Bio-prospecting and Plant Resource Utilization BOT-503		
	Zoology		6631	Evolution and Behavior ZOO-401		
	Environmental Science		6632	RS & GIS Application in Environment ENV-504		
	Microbiology		6633	Recombinant DNA Technology Th-XIII		
	Mathematics		6634	Linear Intergral Equation MAT-511		
	Electronics		6635	Advance Communication System ELET-411		
	Biotechnology		6636	Industrial Technology BTP-4001		
	Biophysics	6637	Bioinformatics & Structural Biology -BPT-401			



Tuesday;-25.11.2025 (Day-02)	10am to 01pm	M.Sc. I Sem.	Physics	6638	Mathematical Methods in Physics -PHYC-111
			Chemistry	6639	Anlytical Chemistry -CHE - 101
			Botany	6640	Cell and Molecular Biology BOT-401
			Zoology	6641	Biosytematics and Animal Diversity ZOO-101
			Environmental Science	6642	Foundation Course on Environment ENV-401
			Microbiology	6643	Biostatistics Computer Applications and Research Methodology Th-I
			Mathematics	6644	Abstract Algebra MAT-401
			Electronics	6645	Electronic Devices ELET-111
			Biotechnology	6646	Biomathematics and Biostatistics-BTE-1001
			Biophysics	6647	Molecular Biophysics BPT-101
	02pm to 05pm	M.Sc. III Sem.	Physics	6648	Electrodynamics PHYF-311
			Chemistry	6649	Structural Elucidation by Spectral Methods CHESC-313
			Botany	6650	Biology & Diversity of Pteridophytes & Gymnosperms BOT-501
			Zoology	6651	Developmental Biology ZOO-301
			Environmental Science	6652	Solid Waste Management ENV-501
			Microbiology	6653	Enzyme Technology Th-IX
			Mathematics	6654	Functional Analysis MAT-501
			Electronics	6655	Programmable Logic Controller ELET-311
			Biotechnology	6656	Bioprocess Engineering BTE-3001
			Biophysics	6657	Biophysical & Bioanalytical Techniques-BPT-301



Wednesday;-26.11.2025 (Day-03)	10am to 01pm	M.Sc. II Sem.	Physics	6658	Foundation Course in Spectroscopy(Atomic and Molecular Physics)-PHYF-212
			Chemistry	6659	Inorganic Chemistry -CHE-206
			Botany	6660	Plant Development and Reproduction -BOT 407
			Zoology	6661	Cell and Molecular Biology-ZOO-202
			Environmental Science	6662	Environmental Biotechnology-ENV-404
			Microbiology	6663	Molecular Immunology -Th-VI
			Mathematics	6664	Real Analysis-II- MAT-412
			Electronics	6665	Embedded System and Interfacing-ELET-212
			Biotechnology	6666	Enzyme Technology-BTE 2002
			Biophysics	6667	Membrane & Ion Channel Biophysics BPT-2002
	02pm to 05pm	M.Sc. IV Sem.	Physics	6668	Elective Paper A5- 8051-Microcontroller PHYE-412
				6669	B5- Laser Nonlinear Optical mixing and Spectroscopic Phenomena PHYE-412
				6670	C5- Radiation Measurements and Nuclear Dosimetry PHYE-412
				6671	D5- Material Synthesis and Characterization PHYE-412
			Chemistry	6672	Elective Paper Fertilizer, Detergents, Vitamins Analysis CHEA-418
				6673	Advanced Organic & Hetrocyclic Chemistry CHEO-418
				6674	Photoinorganic Chemistry CHEI-418
				6675	Polymer Chemistry CHEP-418
				6676	Advanced Organic Chemistry-III CHED-418
			Botany	6677	Genetics Engineering and Bioinformatics BOT-504
			Zoology	6678	General and Comparative Physiology ZOO-402
			Environmental Science	6679	EIA & Enviromental Auditing ENV-505
			Microbiology	6680	Fermentation Technology Auditing Th-XIV
			Mathematics	6681	Mechanics - MAT-512
			Electronics	6682	Elective Paper -V (i) Electrochemical Energy Storage Systems ELET-412
				6683	(ii) Micro-electromechanical System and Applications ELET-412
				6684	(iii) Solar Photovoltaic Systems ELET-412
				6685	(iv) PC Based Instrumentation ELET-412
			Biotechnology	6686	Reconbinant DNA Technology BTP-4002
			Biophysics	6687	Radiation Biophysics -BPT-402



Thursday;-27.11.2025 (Day-04)	10am to 01pm	M.Sc. I Sem.	Physics	6688	Classical Mechanics – PHYC-112
			Chemistry	6689	Inorganic Chemistry - CHE 102
			Botany	6690	Plant Biotechnology BOT-402
			Zoology	6691	Biochemistry ZOO-102
			Environmental Science	6692	Physical and Chemical Aspects of Environment - ENV-402
			Microbiology	6693	Bioenergetics and Enzymology Th-II
			Mathematics	6694	Real Analysis-I -MAT-402
			Electronics	6695	Industrial Electronics ELET-112
			Biotechnology	6696	Biomolecules and Bioenergetics-BTE-1002
			Biophysics	6697	Biophysical Chemistry BPT-102
	02pm to 05pm	M.Sc. III Sem.	Physics	6698	Elective Paper A1- 8086 Microprocessor and interfacing PHYE-312
				6699	B1-Atomic Spectroscopy PHYE-312
				6700	C1-Radiocactivity and Nuclear Decay PHYE-312
				6701	D1- Crystallography PHYE-312
			Chemistry	6702	Elective Paper Bioinorganic & Supramolecular Chemistry CHEI-314
				6703	Organic Synthesis CHEO-314
				6704	Solid State Chemistry CHEP-314
				6705	Electro Analytical Techniques CHEA-314
				6706	Advanced Orgnic Chemistry CHED-314
			Botany	6707	Plant Ecology & Conservation BOT-502
			Zoology	6708	Immunobiology ZOO-302
			Environmental Science	6709	Ecological Footprint & Carbon Sequestration ENV-502
			Microbiology	6710	Bioprocess Engineering & Technology Th-X
			Mathematics	6711	Partial Differential Equations MAT-502
			Electronics	6712	Internet of Things ELET-312
			Biotechnology	6713	Gene Expression and Genetic Engineering BTE 3002
			Biophysics	6714	Immunology & Immunotechniques -BPT-302



Friday;-28.11.2025 (Day-05)	10am to 01pm	M.Sc. II Sem.	Physics	6715	Foundation Course in Nuclear Physics (General Nuclear Physics)-PHYF-213
			Chemistry	6716	Organic Chemistry-CHE-207
			Botany	6717	Biology and Diversity in Fungi and Microbes.- BOT 408
			Zoology	6718	Biophysics -ZOO-203
			Environmental Science	6719	Application of Green Technology-ENV-405
			Microbiology	6720	Microbial Physiology-Th-VII
			Mathematics	6721	Topology-II - MAT-413
			Electronics	6722	Generic Elective Paper –I ELET-213 i. Properties of Electronic Materials
				6723	ii. Control Systems
				6724	iii. Signal Conditioning Circuits
			Biotechnology	6725	Cell and Developmental Biology-BTE 2003
			Biophysics	6726	Physicochemical Techniques BPT-203
	02pm to 05pm	M.Sc. IV Sem.	Physics	6727	Elective Paper A6- Fundamentals of Sensors PHYE-413
				6728	B6- The Physics of Dielectrics PHYE-413
				6729	C6- Nuclear Fission, Fusion And Neutron Physics PHYE-413
				6730	D6- Renewable Energy PHYE-413
				6731	E6- Soil Physics PHYE-413
				6732	F6- Advance Communication Electronics PHYE-413
				6733	G6- Accelerator Physics PHYE-413
				6734	H6- X-ray Spectroscopy PHYE-413
			Chemistry	6735	Elective Paper Pharmaceutical, Clinical & Forensic Analysis CHEA-419
				6736	Chemistry of Natural Products CHEO-419
				6737	Organo Transition Metal Chemistry CHEI-419
				6738	Chemical Dynamics and Catalysis CHEP-419
				6739	Drug Action & Development CHED-419
			Botany	6740	Research Methodology - II BOT-505
			Zoology	6741	Applied Biotechnology-II ZOO-403
			Environmental Science	6742	Sustainable Urban & Rural Developmental Planning ENV-506
			Microbiology	6743	Bioinformatics Microbial Genomics and Proteomics Th-XV
			Mathematics	6744	Difference Equation - MAT-531
			Electronics	6745	Generic Elective- VI (i) Optoelectronics and Optical Fiber Communication ELET-413
				6746	(ii) HMI, SCADA basics and Databases ELET-413
				6747	(iii) Electronics and Automation in Agriculture ELET-413
			Biotechnology	6748	Tissue Technology BTP-4003
			Biophysics	6749	Elective Paper Group-C 1. Medical Biophysics BPT- 403.1
				6750	2. Genomics & Proteomics BPT- 403.2
				6751	3. Neuro Biophysics BPT- 403.3



Saturday;-29.11.2025 (Day-06)	10am to 01pm	M.Sc. I Sem.	Physics	6752	Quantum Mechanics PHYC-113
			Chemistry	6753	Organic Chemistry - CHE -103
			Botany	6754	Biology & Diversity of Algae and Bryophytes BOT-403
			Zoology	6755	Ecology : Principles and Practices ZOO-103
			Environmental Science	6756	Techniques in Environment & Analysis ENV-403
			Microbiology	6757	Bioinstrumentation Techniques and Applications Th-III
			Mathematics	6758	Topology-I MAT-403
			Electronics	6759	Sensor Fundamentals ELET-113
			Biotechnology	6760	Microbiology -BTE-1003
			Biophysics	6761	Cellular Biophysics BPT-103
	02pm to 05pm	M.Sc. III Sem.	Physics	6762	Elective Paper A2-Microwaves PHYE-313
				6763	B2-Molecular Spectroscopy PHYE-313
				6764	C2-Reactor Physic PHYE-313
				6765	D2- Electrical Properties of Solids and Superconductivity PHYE-313
			Chemistry	6766	Elective Paper Applied Inorganic Chemistry CHEI-315
				6767	Asymmetric Symmetric Synthesis & Bio-Organic Chemistry CHEO-315
				6768	Environmental Analysis & Monitoring CHEA-315
				6769	Thermodynamic CHEP-315
				6770	Introduction to Medicinal Chemistry CHED-315
			Botany	6771	Elective Paper A - Crop Genetics & Plant Bredding-I BOT-521
				6772	B - Plant Pathodogy-I BOT-521
				6773	C - Taxonomy of Angiosperms-I BOT-521
				6774	D - Advanced Plant Physicology & Biochemistry-I BOT-521
				6775	E - Plant Diversity and Conservation-I BOT-521
				6776	F - Seed Technology-I BOT-521
			Zoology	6777	Applied Biotechnology-I ZOO-303
			Environmental Science	6778	Advance Technology & CDM ENV-503
			Microbiology	6779	Molecular Microbial Genetics Th-XI
			Mathematics	6780	MATLAB Programming MAT-521
			Electronics	6781	Elective Paper A - Fabrication Techniques for Electronic Devices ELET-313
				6782	B - Instrumentation in Process Control ELECT-313
				6783	C - Smart fussion Technology based System Design ELET-313
			Biotechnology	6784	Bioinstrumentation and Research Methodology BTE 3003
			Biophysics	6785	Elective Paper Group-A -BPT-303 1.Electrophysiology
				6786	2. Protein Engineering
				6787	3. Environmental Biophysics



Wednesday;-03.12.2025 (Day-07)	10am to 01pm	M.Sc. II Sem.	Physics	6788	Foundation Course in Condensed Matter Physics (General Condensed Matter Physics)-PHYF-214
			Chemistry	6789	Physical Chemistry-CHE-208
			Botany	6790	Plant Physiology and Metabolism-BOT 409
			Zoology	6791	Instrumentation and Biological Techniques and Scientific Writing-ZOO-204 &-ZOO-205
			Environmental Science	6792	Environmental Engineering & Technology-ENV-406
			Microbiology	6793	Microbial Diversity and Extremophiles-Th-VIII
			Mathematics	6794	Complex Analysis-II - MAT-414
			Electronics	6795	Elective Paper i. Advanced Sensor Technology
				6796	ii. Process Control Fundamentals
				6797	iii. Biomedical Instrumentation-I
	02pm to 05pm	M.Sc. IV Sem.	Biotechnology	6798	Basic Immunology and Virology-BTE 2004
			Biophysics	6799	Molecular Biology & Genetics BPT-204
			Chemistry	6800	Elective Paper Quality Assurance and Accreditation CHEA-420 A
				6801	Petrochemical & Polymer Analysis CHEA-420 B
				6802	Medicinal Chemistry CHEO-420 A
				6803	Environmental Chemistry CHEO-420 B
				6804	Green Chemistry CHEO-420 C
				6805	Organic high Polymers CHEO-420 D
				6806	Drug Design and Drug Discovery CHEO-420 E
				6807	Therapeutic Bioinorganic and Chemistry of Forensic Materials CHEI-420 A
				6808	Environmental Chemistry CHEI-420 B
				6809	Technology for Converting Waste Agriculture Biomass to Energy CHEI-420 C
				6810	Nano Chemistry CHEP-420 A
				6811	Instrumental Methods of Chemical Analysis CHEP-420 B
				6812	Advanced Quantum Chemistry CHEP-420 C
				6813	Pharmaceutical & Industrial Practices CHED-420 A
				6814	Bio-organic & Green Chemistry CHED-420 B
				6815	Drug Design and Drug Discovery CHED-420 D



Contd... Wednesday;-03.12.2025 (Day-07)	02pm to 05pm	M.Sc. IV Sem.	Botany	6816	Elective Paper Advanced Genetics & Molecular Biology-III BOT-523A
				6817	Plant Pathology - III BOT-523B
				6818	Taxonomy of Angiosperms - III BOT-523C
				6819	Advanced Plant Physiology & Biochemi-III BOT-523D
				6820	Plant Diversity and Conservation - III BOT-523E
				6821	Seed Tecnhonology- III BOT-523F
			Zoology	6822	Elective Paper Animal Tissue Culture ZOO-404 (A)
				6823	Virology and Epidemiology ZOO-404 (B)
			Microbiology	6824	Pharmaceutical Microbiology Th-XVI
			Mathematics	6825	Fluid Mechanics-II MAT-532
			Biotechnology	6826	Elective Paper A-Bioinformatics BPT-4004
				6827	B- Applications of Biotechnology BPT-4004
			Biophysics	6828	Elective Paper Group-D 1.Bioelectronics and Medical Instrumentation BPT- 404.1
				6829	2.IPR, Bio-Safety & Bioethics BPT- 404.2
				6830	3.Molecular Modelling & Drug Designing BPT- 404.3
			Environmental	6831	Groundwater Engineering and Watetshed Management -Env 523-B (Maocs Course SINAYAM)
Thursday;-04.12.2025 (Day-08)	10am to 01pm	M.Sc. I Sem.	Physics	6832	Statistical Mechanics PHYC-114
			Chemistry	6833	Physical Chemistry - CHE -104
			Botany	6834	Taxonomy of Angiosperms -BOT-404
	10am to 12pm		Zoology	6835	Research Methodology ZOO-104
			Environemntal Science	6836	Elective Paper Wildlife Conservation & Management-ENV 421-A
	6837	Environmental Metrology & Climate Change ENV-421B			
	10am to 01pm		Microbiology	6838	Industrial Food and Dairy Microbiology - Th-IV
			Mathematics	6839	Complex Analysis -I- MAT- 404
			Electronics	6840	Network Analysis and Synthesis ELET-114
			Biotechnology	6841	Inheritance Biology BTE-1004
			Biophysics	6842	Molecular Enzymology BPT-104



Contd..
Thursday;-04.12.2025
(Day-08)

02pm to 05pm

M.Sc. III Sem.



Physics	6843	Elective Paper A3- Industrial Electronics PHYE-314
	6844	B3- Modern Trends in Spectroscopy PHYE-314
	6845	C3-Nuclear Reactions and Nuclear Energy PHYE-314
	6846	D3- Physics of Nano Materials PHYE-314
	6847	E3- X-Ray Diffraction PHYE-314
	6848	F3-Thin Film and Vacuum Technology PHYE-314
	6849	G3-Methods in Theroretical Physics PHYE-314
	6850	H3- Communication Electronics PHYE-314
	6851	I3- Nuclear Spectroscopy PHYE-314
	6852	J3-Micro Electro Mechanical System (MEMS) PHYE-314
Chemistry	6853	Elective Paper Analysis of Ores Alloys and Explosive CHEA-316
	6854	Chemistry of Materials CHEI-316
	6855	Photochemistry, Free Radicals & Pericyclic Reactions CHIEO-316
	6856	Advance Electrochemistry CHEP-316
	6857	Advance Organic Chemistry-II CHED-316
Botany	6858	Elective Paper A - Crop Genetics & Plant Breeding-II BOT-522
	6859	B - Plant Pathology-II BOT-522
	6860	C - Taxonomy of Angiosperms-II BOT-522
	6861	D - Advanced Plant Physiology & Biochemistry-II BOT-522
	6862	E - Plant Diversity and Conservation-II BOT-522
	6863	F - Seed Technology-II BOT-522
Zoology	6864	Elective Paper Group A Biostatistics & Microbiology and Human Welfare ZOO-304
Microbiology	6865	Environmental Microbial Technology Th-XII
Mathematics	6866	Fluid Mechanics-I MAT-522
Electronics	6867	Elective Paper-III A -Characterization Techniques for Electronic Devices ELET-314
	6868	B - Automated Process Control ELET-314
	6869	C - Biomedical Instrumentation-II ELET-314
Biotechnology	6870	A - Medical Biotechnology BTE 3004
	6871	B - Environmental Biotechnology BTE 3004
Biophysics	6872	Elective Paper Group-B- BPT-304 1.Photo Biophysics
	6873	2.Cellular and Molecular Neurophysiology
	6874	3.Recombinant DNA Technology
Environmental	6875	Environmental Toxicology & Biodiversity Assessment (Maocs Course SINAYAM) ENV-521-B

Friday;-05.12.2025 (Day-09)	10am to 01pm	M.Sc. II Sem.	Zoology	6876	Elective Paper Helminthology II ZOO-206
				6877	Protozoology II ZOO-207
				6878	Entomology II ZOO-208
				6879	Endocrinology II ZOO-209
			Botany	6880	Research Methology-I -BOT 410
			Biophysics	6881	Research Methodology BPT-205
			Environmental Science	6882	Environmental Management Systems-ENV-422A Elective Paper
				6883	Environmental Statistics & Modeling- ENV-422B
			Mathematics	6884	Differential Equations-II- MAT-431
			Mathematics	6885	Advanced Discrete Mathematics-II- MAT-432
	02pm to 05pm	M.Sc. IV Sem.	Zoology	6886	(Elective Paper Any one) Applied Parasitology- II ZOO-405
				6887	Animal Physiology - II ZOO-406
				6888	Molecular Biology - II ZOO-407
				6889	Fishery Science - II ZOO-408
			Mathematics	6890	Fuzzy Mathematics - MAT-533
Monday;-08.12.2025 (Day-10)	10am to 12pm	M.Sc. I Sem.	Physics	5820	Indian Constitution
			Chemistry	5820	Indian Constitution
			Botany	5820	Indian Constitution
			Zoology	5820	Indian Constitution
			Environmental Science	5820	Indian Constitution
			Microbiology	5820	Indian Constitution
			Mathematics	5820	Indian Constitution
			Electronics	5820	Indian Constitution
			Biotechnology	5820	Indian Constitution
			Biophysics	5820	Indian Constitution
	02pm to 05pm	M.Sc.III Sem.			Service Course



Tuesday;-09.12.2025 (Dav-11)	10am to 01pm	M.Sc.I Sem.	Physics	6891	Research Methodology PHYF-115
			Zoology	6892	Elective Paper Papers-I Helminthology-I ZOO-105
				6893	Protozoology-I ZOO-106
				6894	Entomology-I ZOO-107
				6895	Endocrinology-I ZOO-108
	10am to 01pm		Mathematics	6896	Differential Equations - I MAT 421
				6897	Advanced Discrete Mathematics-I –MAT-422
	10am to 12pm		Environmental Science	6898	Research Methodology Part-I ENV-001
			Electronics	6899	Research Methodology-ELET-115
	10am to 01pm		Biophysics	6900	Biostatistics & Computer Fundamentals BPT-105
	02pm to 05pm	M.Sc. III Sem.	Zoology	6901	Group B Elective Paper A - Applied Parasitology-I ZOO-310
				6902	B - Animal Physiology-I ZOO-311
				6903	C - Molecular Biology-I ZOO-312
				6904	D - Fishery Science-I ZOO-313
Mathematics			6905	Numerical Analysis MAT-523	
Wednesday;-10.12.2025 (Day-12)	10am to 01pm	M.Sc.III Sem.	Mathematics	6906	Lattice Theory MAT-524
	02pm to 05pm	M.Sc. IV Sem.	Mathematics	6907	Analytic Number Theory MAT-534
Thursday;-11.12.2025 (Day-13)	10am to 01pm	M.Sc.III Sem.	Mathematics	6908	Operation Research-I MAT-525
	02pm to 05pm	M.Sc. IV Sem.	Mathematics	6909	Operation Research-II MAT-535
Friday;-12.12.2025 (Day-14)	10am to 01pm	M.Sc.III Sem.	Mathematics	6910	Fourier Analysis and Applications MAT-526
	02pm to 05pm	M.Sc. IV Sem.	Mathematics	6911	Wavelet Analysis-MAT-536
Saturday;-13.12.2025 (Day-15)	10am to 01pm	M.Sc.III Sem.	Mathematics	6912	Fractional Differntial Equations-I MAT-527
	02pm to 05pm	M.Sc. IV Sem.	Mathematics	6913	Fractional Differential Equations-II-MAT-537
Monday;-15.12.2025 (Day-16)	10am to 01pm	M.Sc.III Sem.	Mathematics	6914	Reaction Diffusion Theory MAT-528
	02pm to 05pm	M.Sc. IV Sem.	Mathematics	6915	Coding Theory-MAT-538

University Campus,
Chhatrapati Sambhajnagar -431004
Date;-11.11.2025



sd/-
Sr. Prof. (Dr.) Babasaheb N. Dole
Director
Board of Examinations & Evaluation