

**SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY**  
**B.Sc.I st Year( I & II Semester) List of The Paper Titles & Codes**

<b>Paper Code</b>	<b>B.Sc.Ist Year I Semester Paper Title</b>	<b>Paper Code</b>	<b>B.Sc.Ist Year II Semester Paper Title</b>
4002	<b><u>COMPULSORY SUB.</u></b> (B.A.,B.Com.,B.Sc.) English (Compulsory)		
4016 4010 4001 4026 4023 4019 4013 4022	<b><u>SECOND LANGUAGE/UGC COURSE-I</u></b> Marathi Hindi Add.English Urdu Sanskrit Pali Kannada Russian		
6001 6002	<b><u>MATHEMATICS</u></b> Differential Calculus-I Algebra and Complex Numbers-II	6003 6004 6005	Practical Paper-V(Annual Pattern)
6006 6007	<b><u>BOTANY</u></b> Diversity of Microbes -I Histology and Anatomy-II	6008 6009 6010	Diversity of Cryptogams-III Embryology of angiosperms and Environmental biology-IV Practical Paper-V(Annual Pattern)
6011 6012	<b><u>PHYSICS</u></b> Mechanics Oscillations and Kinetic Theory-I Mathematical Physics, Electricity and Magnetism-II	6013 6014 6015	Properties of Matter and Thermodynamics- III Electromagnetics and Basic Electronics-IV Practical Paper-V(Annual Pattern)
6016 6017	<b><u>MICROBIOLOGY</u></b> Introductory Microbiology-I Fundamentals of Microbiology-II	6018 6019 6020	Basic Microbiology-III General Microbiology and Biochemistry-IV Practical Paper-V(Annual Pattern)
6021 6022 6023	<b><u>CHEMISTRY</u></b> Inorganic Chemistry-I Organic Chemistry-II Physical Chemistry-III	6024 6025 6026 6027	Inorganic Chemistry-IV Organic Chemistry-V Physical Chemistry-VI Practical Paper-VII (Annual Pattern)
6028 6029	<b><u>DAIRY SCIENCE</u></b> Perspectives of Livestock Farming in India-I Farm Animal Housing and Sanitation-II	6030 6031 6032	Farm Animal Management-III Farm Animal Health Management-IV Practical Paper-V(Annual Pattern)

<b>Paper Code</b>	<b>B.Sc.Ist Year I Semester Paper Title</b>	<b>Paper Code</b>	<b>B.Sc.Ist Year II Semester Paper Title</b>
	<b><u>ENVIRONMENTAL SCIENCE</u></b>		
6033 6034	Fundamentals of Environmental Science-I Fresh Water: Sources & Uses-II	6035 6036 6037	Concepts in Ecosystem-III Fresh Water Treatment-IV Practical Paper-V(Annual Pattern)
	<b><u>ZOOLOGY</u></b>		
6038 6039	Life and Diversity of Animals(I)-I Cell Biology-II	6040 6041 6042	Life and Diversity of Animals(II)-III Developmental Biology-IV Practical Paper-V(Annual Pattern)
	<b><u>AGROCHEMICALS &amp; FERTILIZERS</u></b>		
6043 6044	Soil Chemistry(I)-I Agricultural Biochemistry(I)-II	6045 6046 6047	Soil Chemistry(II)-III Agricultural Biochemistry(II)-IV Practical Paper-V(Annual Pattern)
	<b><u>ANALYTICAL CHEMISTRY</u></b>		
6048 6049	General Concepts of Analytical Chemistry(I)-I Basic Analytical Chemistry(II)-II	6050 6051 6052	General Concepts of Analytical Chemistry(I)-III Basic Analytical Chemistry(II)-IV Practical Paper-V(Annual Pattern)
	<b><u>INDUSTRIAL CHEMISTRY</u></b>		
6053 6054	Unit Operations(I)-I Process Calculations(I)-II	6055 6056 6057	Unit Operations(II)-III Process Calculations(II)-IV Practical Paper-V(Annual Pattern)
	<b><u>DYES AND DRUGS</u></b>		
6058 6059	Introduction to Dyes-I Introduction to Drugs-II	6060 6061 6062	Introduction to Dye Intermediates-III Introduction to Purity of Drugs and Biostatistics-IV Practical Paper-V(Annual Pattern)
	<b><u>GEOLOGY</u></b>		
6063 6064	Earth as a planet and Dynamic Geology-I Mineralogy, Igneous and Sedimentary Petrology-II	6065 6066 6067	Physical Geology and Paleontology-III Crystallography and Metamorphic Petrology-IV Practical Paper-V(Annual Pattern)
	<b><u>FISHERY SCIENCE</u></b>		
6068 6069	Taxonomy and General Topics-I Type Study Wallago Attu(Fresh Waer Shark)-II	6070 6071 6072	Aquaculture-III Fish Seed Production Technology-IV Practical Paper-V(Annual Pattern)
	<b><u>BIOTECHNOLOGY(VOCATIONAL)</u></b>		
6073 6074	Cell Biology-I(VBT-101) Microbiology-II(VBT-102)	6075 6076 6077	Maths & Computers-III(VBT-103) Genetics & Biochemistry-IV(VBT-104) Practical Paper-V(Annual Pattern)(VBP-1)

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<b>Paper Code</b>	<b>B.Sc.Ist Year I Semester Paper Title</b>	<b>Paper Code</b>	<b>B.Sc.Ist Year II Semester Paper Title</b>
	<b><u>INFORMATION TECHNOLOGY</u></b>		
6078 6079	Fundamentals of Information Technology-I Web Page Design-II	6080 6081 6082	DOS and Windows Operating System-III Programming in C-IV Practical Paper-V(Annual Pattern)
	<b><u>ELECTRONICS</u></b>		
6083 6084	Semiconductor Devices and Network Theorems-I Fundamentals of Digital Electronics(I)-II	6085 6086 6087	Basic Electronic Circuits-III Fundamentals of Digital Electronics(II)-IV Practical Paper-V(Annual Pattern)
	<b><u>STATISTICS</u></b>		
6088 6089	Probability and Random Variable-I Descriptive Statistics and Attributes-II	6090 6091 6092	Discrete Probability Distributions-III Statistical Methods and Attributes-IV Practical Paper-V(Annual Pattern)
	<b><u>COMPUTER SCIENCE</u></b>		
6093 6094	Fundamentals of Computer-I Computer Algorithm-II	6095 6096 6097	Programming in C-III Data Structures-IV Practical Paper-V(Annual Pattern)
	<b><u>COMPUTER MAINTENANCE</u></b>		
	<b><u>COMPUTER APPLICATION</u></b>		
	<b><u>HORTICULTURE</u></b>		
	<b><u>INDUSTRIAL MICROBIOLOGY</u></b>		
	<b><u>AGRICULTURAL MICROBIOLOGY</u></b>		