

**Shri. Gopinath Mahadeo Vedak Pratishtan's**  
**G.M. Vedak College of Science, Tala**

Accredited B+ by NAAC  
 Affiliated to University of Mumbai, Aided College

S.Y.B.Sc. SEMESTER -III			
	Sub.Code	Subject Name	Credits
	USFC301	Foundation Course	2
<b>Any one group from the following</b>			
<b>1. Chemistry - Physics</b>			
<b>Chemistry</b>	USCH301	Chemistry – I ( General Chemistry)	2
	USCH302	Chemistry – II ( General Chemistry)	2
	USCH303	Chemistry – III ( General Chemistry)	2
	USCHP3	Chemistry Practical	3
<b>Physics</b>	USPH301	Physics – I (Thermodynamics & Temperature Transducer )	2
	USPH302	Physics – II ( Electronics )	2
	USPH303	Physics – III (Mathematical Methods & Applied Physics I )	2
	USPHP3	Physics Practical	2
<b>2. Chemistry - Zoology</b>			
<b>Chemistry</b>	USCH301	Chemistry – I ( General Chemistry)	2
	USCH302	Chemistry – II ( General Chemistry)	2
	USCH303	Chemistry – III ( General Chemistry)	2
	USCHP3	Chemistry Practical	3
<b>Zoology</b>	USZO301	Zoology – I (Fundamentals of Genetics, Chromosomes and Heredity, Nucleic acids)	2
	USZO302	Zoology – II (Nutrition and Excretion, Respiration and Circulation, Control and Coordination of Life Processes, Locomotion and Reproduction)	2
	USZOE1303	Zoology – III (Ethology, Parasitology, Economic Zoology)	2
	USZOP3	Zoology Practical	3
<b>3. Physics - Mathematics</b>			
<b>Physics</b>	USPH301	Physics – I (Thermodynamics & Temperature Transducers )	2
	USPH302	Physics – II ( Electronics )	2
	USPH303	Physics – III (Mathematical Methods & Applied Physics I )	2
	USPHP3	Physics Practical	2
<b>Mathematics</b>	USMT301	Mathematics – I (Calculus –III)	2
	USMT302	Mathematics – II (Linear Algebra – I)	2
	USMT303	Mathematics – III (Higher Order Ordinary Differential Equations )	2
	USMTP3	Mathematics Practical	3

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S.Y.B.Sc. SEMESTER -IV			
	Sub.Code	Subject Name	Credits
	USFC401	Foundation Course	2
<b>Any one group from the following</b>			
<b>1. Chemistry - Physics</b>			
<b>Chemistry</b>	USCH401	Chemistry – I ( General Chemistry )	2
	USCH402	Chemistry – II ( General Chemistry )	2
	USCH403	Chemistry – III ( General Chemistry )	2
	USCHP4	Chemistry Practical	3
<b>Physics</b>	USPH401	Physics – I ( Optics & Applied Physics II )	2
	USPH402	Physics – II ( Electrodynamics )	2
	USPH403	Physics – III (Quantum Physics )	2
	USPHP4	Physics Practical	2
<b>2. Chemistry - Zoology</b>			
<b>Chemistry</b>	USCH401	Chemistry – I ( General Chemistry)	2
	USCH402	Chemistry – II ( General Chemistry )	2
	USCH403	Chemistry – III ( General Chemistry )	2
	USCHP4	Chemistry Practical	3
<b>Zoology</b>	USZO401	Zoology – I (Origin and Evolution of Life, Population Genetics and Evolution, Scientific Attitude, Methodology, Scientific Writing and Ethics in Scientific Research)	2
	USZO402	Zoology – II (Cell Biology, Endomembrane System, Biomolecules)	2
	USZOE1403	Zoology – III (Comparative Embryology, Aspects of Human Reproduction, Pollution and its effect on organisms )	2
	USZOP4	Zoology Practical	3
<b>3. Physics - Mathematics</b>			
<b>Physics</b>	USPH401	Physics – I ( Optics )	2
	USPH402	Physics – II ( Electronics )	2
	USPH403	Physics – III ( Introduction To Special Theory Of Relativity And Wave Mechanics )	2
	USPHP4	Physics Practical	2
<b>Mathematics</b>	USMT401	Mathematics – I (Multi variable Calculus)	2
	USMT402	Mathematics – II (Linear Algebra – II )	2
	USMT403	Mathematics – III (Numerical Methods )	2
	USMTP3	Mathematics Practical	3