

# Sant Gadge Baba Amravati University, Amravati

FACULTY: SCIENCE AND TECHNOLOGY

Two Year Semesters Master Degree Program NEP-2024-25

Subject: Mathematics (Semester-III)

S.N.	Subject	Type of Course	Subject Code	Teaching and Learning Scheme						Duration of Exam Hours	Examination and Evaluation Scheme									
				Teaching Hours Per Week				Credits			Maximum Marks				Minimum Passing					
				L	T	P	Total	L/T	Practical		Total	Theory		Practical		Total Marks	Marks Internal	Marks External	Grade	
				Theory Internal		Theory External		Internal	External											
1	Contemporary Applied Technological Advancements in Research	FSC		4			4	4		4	3	40	60			100	16	24	P	
2	DSC-VII: Functional Analysis-I	Th-Major		4			4	4		4	3	40	60			100	16	24	P	
3	DSC-VIII: Operations Research	Th-Major		3			3	3		3	3	40	60			100	16	24	P	
4	<b>DSE-III (Any One)</b>	Th-Major																		
	1. General Relativity 2. Fluid Dynamics 3. Difference Equations-I			3			3	3		3	3	40	60			100	16	24	P	
5	Practical on DSC-VIII	<b>Practical-I</b>				4	4*		2	2	3			50	50	100	25	25	P	
6	Programming with Mathematica	<b>Practical-II</b>				4	4*		2	2	3			50	50	100	25	25	P	
7	Research Project Phase-I	<b>Major</b>			2	4	6	2	2	4				50	--	50	25	--	P	
8	Co-curricular Courses: Health and wellness, Co-curricular Courses: Health and wellness, Yoga Education, Sports and Fitness, Cultural Activities, NSS/NCC, Fine/Applied/Visual/Performing Arts during S-I,II,III and IV	<b>Generic Optional</b>		90 hours cumulatively from Semester I to Semester-IV																
							<b>28</b>			<b>22</b>						<b>650</b>				

# Sant Gadge Baba Amravati University, Amravati

FACULTY: SCIENCE AND TECHNOLOGY

Two Year Semesters Master Degree Program NEP-2024-25

Subject: Mathematics (Semester-IV)

S.N.	Subject	Type of Course	Subject Code	Teaching and Learning Scheme						Duration of Exam Hours	Examination and Evaluation Scheme								
				Teaching hours per week				Credits			Maximum Marks				Minimum Passing				
				L	T	P	Total	L/T	Practical		Total	Theory		Practical		Total Marks	Marks Internal	Marks External	Grade
												Theory Internal	Theory External	Internal	External				
1	DSC-IX: Partial Differential Equations	Th-Major		4			4	4		4	3	40	60			100	16	24	P
2	DSC-X: Numerical Analysis	Th-Major		4			4	4		4	3	40	60			100	16	24	P
3	DSC-XI: Advanced Mechanics	Th-Major		3			3	3		3	3	40	60			100	16	24	P
4	<b>DSE-IV (Any One)</b>	<b>Th-Major</b>																	
	1. Relativistic Cosmology 2. Difference Equations - II 3. Functional Analysis-II			3			3	3		3	3	40	60			100	16	24	P
5	Practical on DSC-X	<b>Practical-I</b>				4	4*		2	2	3			50	50	100	25	25	P
6	Programming on Python	<b>Practical-II</b>				4	4*		2	2	3			50	50	100	25	25	P
7	Research Project Phase-II	<b>Major</b>			2	8	10	2	4	6	3			75	75	150	75		P
6	Co-curricular Courses: Health and wellness, Co-curricular Courses: Health and wellness, Yoga Education, Sports and Fitness, Cultural Activities, NSS/NCC, Fine/Applied/Visual/Performing Arts during S-I,II,III and IV	<b>Major</b>		90 hours cumulatively from Semester I to Semester-IV															
							<b>32</b>			<b>24</b>						<b>750</b>			