

**B.Sc MATHEMATICS- I YEAR**

Subject	Instructional Hrs.		CIA	ESE	Max. Marks	No. of Credits	Exam Duration (Hrs.)
	Theory	Practical					
<b>SEMESTER-I</b>							
Language-I	6	-	25	75	100	3	3
English-I	4	-	25	75	100	3	3
Major Paper 1 Trigonometry & Analytical Geometry of 2 Dimensions	5	-	25	75	100	4	3
Major Paper 2 Differential Calculus	5	-	25	75	100	4	3
Allied I- Physics-I	4	2	15	60	75	4	3
Soft Skill-I Essentials of Language and Communication Skills	2	-	40	60	100	3	Viva-voce Exam
Non Major Elective-I	2	-	40	60	100	2	2
<b>Total</b>	<b>28</b>	<b>2</b>				<b>23</b>	
<b>SEMESTER-II</b>							
Language-II	6	-	25	75	100	3	3
English-II	4	-	25	75	100	3	3
Major Paper-3 Classical Algebra	5	-	25	75	100	4	3
Major Paper-4-Integral Calculus and Fourier series	5	-	25	75	100	4	3
Allied I- Physics-II	4		15	60	75	4	3
Allied Physics Practical	-	2	10	40	50	2	3
Soft Skill-II Essentials of Spoken and Presentation Skills	2	-	40	60	100	3	Viva-voce Exam
Non Major Elective-II	2	-	40	60	100	2	2
<b>Total</b>	<b>28</b>	<b>2</b>				<b>25</b>	
Allied Mathematics offered to B.Sc. Statistics, BSc. Chemistry, BSc. Physics and B.Sc. Computer science in Semester I & II	<b>24 Hrs.</b>  6 Hrs. (each)	-  -	25	75	100	5	3

**II YEAR**

Subject	Instructional Hrs.		CIA	ESE	Max. Marks	No. of Credits	Exam Duration (Hrs.)
	Theory	Practical					
<b><i>SEMESTER-III</i></b>							
Language-III	6	-	25	75	100	3	3
English-III	4	-	25	75	100	3	3
Major Paper 5 Differential Equations and Laplace Transforms	5	-	25	75	100	4	3
Major Paper 6 Three Dimensional Geometry	5	-	25	75	100	4	3
Allied II- Mathematical Statistics I	4	2	15	60	75	4	3
Environmental Studies	-	-	40	60	100	3	Online Exam
<b>Total</b>	<b>28</b>	<b>2</b>				<b>23</b>	
<b><i>SEMESTER-IV</i></b>							
Language-IV	6	-	25	75	100	3	3
English-IV	6	-	25	75	100	3	3
Major Paper-7 Vector Calculus, Fourier Transforms and Z Transforms	5	-	25	75	100	4	3
Major Paper 8 Statics	5	-	25	75	100	4	3
Allied II- Mathematical Statistics II	4		15	60	75	4	3
Allied Practical	-	2	10	40	50	2	3
Skill Based Elective	2	-	40	60	100	3	2
<b>Total</b>	<b>28</b>	<b>2</b>				<b>25</b>	

**III YEAR**

Subject	Instructional Hrs.		CIA	ESE	Max. Marks	No. of Credits	Exam Duration (Hrs.)
	Theory	Practical					
<b><i>SEMESTER-V</i></b>							
Major Paper 9 Modern Algebra	6	-	25	75	100	4	3
Major Paper 10 Real Analysis	6	-	25	75	100	4	3
Major Paper 11 Dynamics	6	-	25	75	100	4	3
Major Paper 12 Graph Theory	6	-	15	60	75	4	3
Elective I Any one from the given list	6	-	40	60	100	5	3
<b>Total</b>	<b>30</b>	<b>-</b>				<b>21</b>	
<b><i>SEMESTER-VI</i></b>							
Major Paper-13 Linear Algebra	6	-	25	75	100	4	3
Major Paper 14 Complex Analysis	6	-	25	75	100	4	3
Major Paper 15 Programming Language C	4		15	60	75	3	3
Practicals in C	-	2	10	40	50	1	3
Elective II Any one from the given list	6	-	25	75	100	5	3
Elective III Any one from the given list	6		25	75	100	5	3
<b>Total</b>	<b>28</b>	<b>2</b>				<b>22</b>	