Subject: Higher Math 1st Paper
First Term Exam
Total working days-65 days
Allotted Period-54 days

Class Test-1 (Working days-26) Allotted Periods-21

1st paper : 1st Chapter - Matrix and Determinants [Exercise:-1.1 – 1.2] 10 Periods
3rd Chapter - Straight lines [Exercise- 3.1 - 3.4] 11 Periods

Class Test-2 (Working days-19) Allotted Periods-15

1st paper : 1st Chapter - Straight lines [Exercise:-3.5 – 3.7] 07 Periods
7th Chapter - Trigonometric Ratios of Associated Angles [Exercise- 7.1 - 7.7] 08 Periods

1st Term Examination (Working days-20) Allotted Periods-15

Syllabus of class test -1and class test-2:

1st Paper : 4th Chapter - Circle [Exercise- 4.1 -4.2] 07 Periods
2nd Paper : 7th Chapter – Inverse Trigonometric Function & Trigonometric Equations [Ex-7.1 – 7.2] 08 Periods

Marks Distribution of 1st Term Examination

Class Test- 1	20		40÷2 =20
Class Test- 2	20		
Class Attendance			05
1st Term (Theoretical) -		Creative- 40	
		MCQ- 35	75
			Total = 100

Marks Distribution of Theoretical Examination:

(a) Creative Question – 40 marks
Total 6 questions (3+3) in 2group will be given out of them 4questions (2+2) are to be answered
Each Question carries 10 marks 40
(b) MCQ 35 marks
Total 35 questions will be given. All questions are to be answered
Each Question carries 01 marks 35
Total= 75

Annual Examination
Total working days-67 days
Allotted Period-54

Class Test-3 (Working days-17) Allotted Periods-14

1st paper : 8th Chapter : Function and Graph of Functions [Exercise- 8] 06 Periods
6th Chapter : Conics [Exercise:-6.1 – 6.3] 08 Periods

Class Test-4 (Working days-29) Allotted Periods-23

1st paper : 9th Chapter - Differentiation [Exercise:-9.1 – 9.6]		08 Periods
5th Chapter - Permutations and Combinations [Exercise- 5.1 - 5.2]		08 Periods
2nd Chapter - Vectors [Exercise: - 2]		07 Periods

Annual Examination (Working days-21) Allotted Periods-17

Syllabus of class test -3and class test-4:

1st paper : 9th Chapter - Differentiation [Exercise:-9.7 – 9.9]		08 Periods
2nd Paper : 5th Chapter - Binomial Expression [Exercise- 5.1 - 5.2]		07 Periods

Marks Distribution of Annual Examination

Class test-3	20	60 ÷3= 20	
Class test-4	20		
Practical -	20		
Class Attendance			05
Annual Examination (Theoretical) -	Creative- 40		
	MCQ- 35		75
		Total = 100	

Marks Distribution of Theoretical Examination:

(a) Creative Question – 40 marks
Total 6 questions (3+3) in 2group will be given out of them 4questions (2+2) are to be answered
Each Question carries 10 marks 40
(b) MCQ 35 marks
Total 35 questions will be given. All questions are to be answered
Each Question carries 01 marks 35
Total= 75

Pre-test Examination
Total working days-49 days
Allotted Period-33 days

Class Test-5 (Working days-28) Allotted Periods-21

1st paper	10th Chapter - Integration [Exercise- 10.1 – 10.7]	07 Periods
2nd Paper	1st Chapter - Read numbers and Inequalities [Exercise- 1.1 – 1.2]	07 Periods
	2th Chapter - Linear Programming [Exercise: -2]	07 Periods

Pre-test (Working days-21) Allotted Periods-17

Full syllabus of class test-5

2nd paper : 3rd Chapter - Complex Numbers [Exercise: - 3]		05 Periods
10th Chapter - Measures of Dispersions [Exercise- 10.1 - 10.2]		06 Periods
8th Chapter: Statics [Exercise: 8.1-8.4]		06 Periods

Marks Distribution of Pre-test

Class Test-5 20		20
Class Attendance		05
Pre-test (Theoretical)-	Creative- 40	
	MCQ- 35	75
		Total = 100

Marks Distribution of Theoretical Examination:

(a) Creative Question – 40 marks
Total 6 questions (3+3) in 2group will be given out of them 4questions (2+2) are to be answered
Each Question carries 10 marks 40
(b) MCQ 35 marks
Total 35 questions will be given. All questions are to be answered
Each Question carries 01 marks 35
Total= 75

Test Examination
Total working days-29 days
Allotted Period-23 days

Full syllabus of Previous Examination

1st Paper : 6th Chapter - Trigonometric Ratios [Exercise: 6.1-6.3] 08 Periods
2nd Paper : 9th Chapter - Motion of particles [Exercise- 9.1 - 9.7] 08 Periods
4th Chapter - Polynomial and polynomial Equations [Exercise: 4.1-4.2] 07 Periods

Marks Distribution of Test Examination

Test examination will be held separately According to the full syllabus of 1st Paper and 2nd Paper book.

First paper& 2nd Paper

1. Theoretical-	Creative- 40	75
	MCQ- 35	
2. (a) Practical-25		25
		Total = 100

Marks Distribution of Theoretical Examination:

(a) Creative Question – 40 marks
Total 6 questions (3+3) in 2group will be given out of them 4questions (2+2) are to be answered
Each Question carries 10 marks 40
(b) MCQ – 35 marks
35 Questions are to be answered out of 35 MCQ.
Each Question carries 01 marks 35
Total= 75

Marks distribution of practical examination

1experiment	Theory	-03
	Use of instruments and Data Collection	-05
	Calculation and Analysis	-04
	Presentation of results with explaimation	05
	Viva voce	05
	Practical Note book	03
		Total 25

List of Text book

Name of the book **Name of the writers**

Name of the book	Name of the writers
Higher Mathematics 1st Paper	1. Md. Rafiqul islam & Kazi Kamruzzaman , and other. Ruponti Publication.
	2. Akkhar Patra Publication Writer: Asim kumar Saha and others.
	3. Md. Nazrul islam and Md. Kelal uddin
Higher Mathematics 2nd Paper	1. Md. Rafiqul Islam & Kazi kamrujjaman , Other Rupanti publication ,
	2. MA Jallar and SU Ahmed
	3. Asim kumar saha and other, Akkhar patra publication