

SYLLABUS

2025-2026

Class XI-XII

Science Group

Shaheed Bir Uttam Lt Anwar Girls' College

Dhaka Cantonment, Dhaka

SYLLABUS

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Sceince (EV)-1

বিষয়: বাংলা (আবশ্যিক) প্রথম পত্র ও দ্বিতীয়	পত্ৰ
অর্ধ-বার্ষিক পরীক্ষা	
মোট কার্যদিবস-৭৫ দিন	
নির্ধারিত পিরিয়ড-৬৬	
ক্লাস টেস্ট-১: কার্যদিবস-২৫ দিন, নির্ধারিত পিরিয়ড-২২	
ক) বাঙ্গালার নব্য লেখকদিগের প্রতি নিবেদন	০৪ পিরিয়ড
. 66	০৫ পিরিয়ড
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ঘ) উপন্যাস শুরু থেকে ২০ পৃষ্ঠা পর্যন্ত	০৮ পিরিয়ড
प) ७ गम्भाग ७५० दयदम २० गृश गप७	২২পিরিয়ড
ক্লাস টেস্ট-২: কার্যদিবস-২৩, নির্ধারিত পিরিয়ড-২০	र्रागान्नन
ক) উপন্যাস ''লালসালু"(২১ পৃষ্ঠা থেকে ৩৯ পৃষ্ঠা পর্যন্ত)	১২ পিরিয়ড
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	২৪পিরিয়ড
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	10-111-1-10-20
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	সর্বমোট = ১০০
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খ) মাসি-পিসি	
গ) পদ্মা	০৩ পিরিয়ড
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খ) নেকলেস	০২ পিরিয়ড
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চ) নাটক সমাপ্ত	০৭ পিরিয়ড
0) 104 1410	২৫ পিরিয়ড
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বার্ষিক পরীক্ষা: অর্ধ-বার্ষিক পরীক্ষার সিলেবাস, (ক্লাস টেস্ট-১, ক্লাস টেস্ট-২ ক্লাস্ টেস্ট-৩ ও ক্লাস টেস্ট-৪ সহ বার্ষিক পরীক্ষার সিলেবাসে অন্তর্গ	ক্তি হবে।
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গ) বাংলা ভাষার ব্যাকরণিক শব্দশ্রেণি	০৩ পিরিয়ড
(বিশেষ্য, বিশেষণ, সর্বনাম)	
ঘ) দিনলিপি	০১ পিরিয়ড
ঙ) ভাষণ	০২ পিরিয়ড
	১২ পিরিয়ড
Sceince (EV)-3	Ilabus

প্রাক-নির্বাচনি পরীক্ষা: কার্যদিবস-৩১ দিন, নির্ধারিত পিরিয়ড-২৭	
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গ) বাক্যতত্ত্ব	০৫ পিরিয়ড
ঘ) বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধপ্রয়োগ	০২ পিরিয়ড
ঙ) পারিভাষিক শব্দ, বঙ্গানুবাদ	০২ পিরিয়ড
চ) বৈদ্যুতিন চিঠি, পত্ৰলিখন	০৩ পিরিয়ড
ছ) সারাংশ, ভাবসম্প্রসারণ	
জ) সংলাপ, খুদে গল্প	
ঝ) প্রবন্ধ রচনা	
") = 11 10 11	২৭ পিরিয়ড
	71111111
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খ) ক্লাসে উপস্থিতি = ০৫	
গ) প্রাক-নির্বাচনি পরীক্ষা-১০০ রূপান্তরিত হবে = ৭৫	
মোট = ১	000
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৪। শব্দ গঠন (উপসর্গ, প্রত্যয়)	30
৫। বাক্যতত্ত্ব	
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৯। বৈদ্যুতিন চিঠি অথবা পত্ৰলিখন	30
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	মোট- ৭০
Sceince (EV)—4	Syllabus
Scenice (LV) T	,

নির্বাচনি পরীক্ষা মোট কার্যদিবস-৩২ দিন নির্ধারিত পিরিয়ড-২৫

ক) বাংলা শব্দ গঠন (সমাস)	০৫ পিরিয়ড
খ) পারিভাষিক শব্দ	০২ পিরিয়ড
গ) অভিজ্ঞতা বর্ণনা, প্রতিবেদন রচনা	০৫ পিরিয়ড
ঘ) খুদে বার্তা, আবেদনপত্র	০৫ পিরিয়ড
ঙ) সারমর্ম	০১ পিরিয়ড
চ) প্রবন্ধ রচনা	০২ পিরিয়ড
প্রথম পত্রের পাঠ পুনরালোচনা	০৫ পিরিয়ড
	১৫ পিবিয়ড

মানবন্টন: বোর্ড পরীক্ষার অনুরূপ।

নির্বাচনি পরীক্ষার মানবন্টনঃ

১ম ও ২য় পত্রের পরীক্ষা সম্পূর্ণ সিলেবাসের ওপর আলাদাভাবে (বোর্ড পরীক্ষার প্রশ্ন অনুযায়ী) অনুষ্ঠিত হবে।

পাঠ্যপুস্তকের তালিকাঃ বাংলা প্রথম পত্র

১। সাহিত্য পাঠ (গদ্য ও পদ্য)	অধ্যাপক ড. মাহবুবুল হক সম্পাদিত
২। সহপাঠ (উপন্যাস ও নাটক)	অধ্যাপক ড. মাহবুবুল হক সম্পাদিত

সহায়ক গ্রন্থের তালিকাঃ বাংলা দ্বিতীয় পত্র

১। বাংলা ব্যাকরণ ও নির্মিতি (বিরচন)	ড. অনিরুদ্ধ কাহালি
২। উচ্চতর বাংলা ভাষারীতি	ড. আলাউদ্দিন আজাদ
	ড. মনন অধিকারী
৩। প্রমিত বাংলা ব্যাকরণ ও নির্মিতি	ড. হায়াৎ মামুদ

ENGLISH 1st PAPER & 2nd PAPER

HALF YEARLY EXAMINATION Total Working Days: 76 Allocated Periods: 48

1st Class Test (Working Days 20) Allocated	Periods 16	
English for Today		
Unit 1: Education and Life		04
Unit 2: Art and Craft		04
Grammar: Synonyms/Antonyms		03
Right Form of Verbs		03
Writing Part: Paragraph		02
Class Tcst-2 (Working Days 20) Allocated P	eriods 16	
English for Today		
Unit 3: Myths and Literature		04
Unit 4: History		02
Unit 5: Human Rights		03
Grammar: Completing Sentence with phrases	or clauses, Punctuation	
Marks		05
Writing Part: Informal Letters/E-mails		02
***Revision of class test-1 Syllabus		
Half-Yearly (Working Days 36) Allocated P	<u>eriods 16</u>	
English for Today		
Unit 6 : Dreams		03
Unit 7: Youthful Achievers		03
Unit 8 : Relationships		03
Rearrangement		01
Grammar: Modifiers		03
Writing Part: Graph writing, Theme writing, S	tory writing	03
*** Revision of Class test 1 & 2 Syllabus		
Marks Distribution of Half-Yearly Exam		
1 st Class Test-30 \ Converted into	20 Marks	
2nd class test-30		
Class Attendance	05 Marks	
Written Exam (100 Marks) converted into	75 Marks	
Total =	100 Marks	

Mark Distribution of Written Test	
Comprehension-based Question 25 Marks	
Vocabulary 15 Marks	
Rearrangement 10 Marks	
Grammar: 10 Marks	
Guided Writing 40 Marks	
(Completing Story-7, Theme-8, Total = 100 Marks	
Informal Letters/E-mails-5, Graph/chart- 10, Paragraph-10)	
ANNUAL EXAM	
Total Working Days: 69	
Allocated Periods: 40	
3rd Class Test (Working Days 18) Allocated Periods 14	
English for Today	
Unit 9: Adolescence	06
Unit 10 : Lifestyle	03
Grammar: Connectors	04
Writing Part: Completing story	01
4th class Test (Working Days 17) Allocated Periods 13	
English for Today	
Unit 11 : Peace and Conflict	04
Unit 12: Environment and Nature	04
Grammar: Changing sentences	04
Writing Part: Theme writing	01
***Revision of class test-3 syllabus	
Annual Exam (Working Days 34) Allocated Periods 13	
English for Today	
Unit 1 to 12 (Revision)	03
Grammar: Right Form of Verbs, Changing Sentences, Synonyms &	
Antonyms, Articles, Prepositions	08
Writing Part: Paragraph, Graph/Chart, E-mails/Letters (Informal)	02
*** Revision of 1st, 2nd 3rd & 4th Class Test Syllabus	
Marks Distribution of Annual Exam	
3 rd Class Test 30 Converted into 20 Marks	
4 th Class test 30 \int	
Class Attendance 05 Marks	
Written Exam (100 Marks) converted into 75 Marks	
Total = 100 Marks	
Sceince (EV)—7 Syllabus	-

Mark Distribution of Written Test		
Comprehension-based Question	25 Marks	
Vocabulary	15 Marks	
Rearrangement	10 Marks	
Grammar:	10 Marks	
Guided Writing	40 Marks	
(Completing Story-7, Theme-8,	Total 100 Marks	
Informal Letters/E-mails-5, Graph/char	t-10, Paragraph-10)	
PRE-TEST	EXAM	
Total Working	g Days: 64	10.000
Allocated Pe	riods: 40	
5th class test (Working Days 25) Allo	ocated Periods 20	
English for Today		
Unit 01-06 (Revision)		09
Grammar: Pronoun References, Modi	fiers, Narration / Speech	
Writing Part: Report writing		02
Pre- Test Exam (Working Days 39)	Allocated Periods 20	
English for Today		
Unit 07-12 (Revision)		06
Grammar: All grammatical items		10
Writing Part: Paragraph, Short Compo	sition, Report Writing,, l	Formal
Letters/E-mails		04
*** Revision of 5th Class Test Syllab	us	
Marks Distribution of Pre-Test Exa	<u>m</u>	
5 th Class Test (30) converted i		20 Marks
Class Attendance		05 Marks
Written Exam (100 Marks) converted	into	75 Marks
(English 2nd - 90 & English 1st - 10)		Total= 100

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TEST EXAMINATION

Total Working Days: 64 Allocated Periods 28

Test Exam (Working Days 64) Allocated Periods 28

Revision of English 1st & 2nd Paper Full Syllabus

Marks Distribution:

1. English 1st Paper

100 Marks

2. English 2nd Paper

100 Marks

Total 200 Marks

Recommended Books

1st Paper

1. Text Book - English for Today prescribed by NCTB

2nd Paper

- * The books approved by NCTB will be taught
- * Besides, the books published according to the syllabus by NCTB can also be taught.

Sub.: Information and Communication Technology

Half Yearly Exam Total working days- 75 days Allocated periods -51

Allocated periods -51
Class Test- 1 (Working Days- 25 Periods-16
2nd Chapter: (Up to Wire Medium) Communication System Class-06
Third Chapter (First Portion):Number System Class 10
Class Test- 2 (Working Days-23) Periods-20
2nd Chapter: (Up to Mobile Generation)
Communication System Class-07
3rd Chapter (Second Portion): Up to Digital Devices Class-13
Half Yearly Examination (Working Days-27) Periods-15
First Chapter: (Virtual Reality, Artifical Intelligence and Biometric)
ICT: World and Bangladesh Perspective Class-05
Third Chapter: (All Devices) Digital Devices Class-10
Marks Distribution Of Half Yearly Exam
Class Test-1 =307 60 Converted into =20
Class Test-2 =30
Attendance $= 05$
Half Yearly Exam (Theory) $\left\{ \text{Creative Question} = 50 \right\}$ = 75 $\left\{ \text{M.C.Q} = 25 \right\}$
M.C.Q = 250
Marks Distribution of Theory Exam
a) Creative Question- 50
Students have to answer any 5 questions out of 8 questions.
Marks of every question is 10
b) Multiple Choice Question- 25
Students have to answer all 25 questions.
Marks of every question is 01

Total = 75

Annual Exam

Total working days-71 days Allocated periods -33

Class Test- 3 (Working Days-20) Periods-08	
1st Chapter: (Full) Information & Communication Technon	ology:
World and Bangladesh Perspective	Class-04
2nd Chapter: (2nd Portion) Computer Networking	Class-04
Class Test-4 (Working Days-23) Periods-12	
4th Chapter: (Full) Web Design & HTML	Class-12
Annual Exam (Working Days-28) Periods-13	
Half Yearly and Annual Exam Syllabus Repeat	Class=13
Marks Distribution Of Annual Exam	
Class Test-3 =30 60 Converted into	=20
Class Test-4 =30 \	
Pratical = 20	
Attendance	= 05
Theory $ \{ \text{Creative Question} = 50 \} $ $ \text{M.C.O} = 25 \} $	=75
	Total = 100
	Total = 100
Marks Distribution of Practical Exam i) Lab Test (01)	Total = 100 15
Marks Distribution of Practical Exam	
i) Lab Test (01) Marks Distribution of Practical Exam	15 05 05
i) Lab Test (01) ii) Note book iii) VIVA	15 05
i) Lab Test (01) ii) Note book iii) VIVA Marks Distribution of Theory Exam	15 05 05
i) Lab Test (01) ii) Note book iii) VIVA Marks Distribution of Theory Exam a) Creative Question- 50	15 05 05
i) Lab Test (01) ii) Note book iii) VIVA Marks Distribution of Theory Exam a) Creative Question- 50 Students have to answer any 5 questions out of 8 questions.	15 05 05 Total = 25
i) Lab Test (01) ii) Note book iii) VIVA Marks Distribution of Theory Exam a) Creative Question- 50 Students have to answer any 5 questions out of 8 questions. Marks of every question is 10 b) Multiple Choice Question- 25	15 05 05 Total = 25
i) Lab Test (01) ii) Note book iii) VIVA Marks Distribution of Theory Exam a) Creative Question- 50 Students have to answer any 5 questions out of 8 questions. Marks of every question is 10 b) Multiple Choice Question- 25 Students have to answer all 25 questions.	15 05 05 Total = 25
i) Lab Test (01) ii) Note book iii) VIVA Marks Distribution of Theory Exam a) Creative Question- 50 Students have to answer any 5 questions out of 8 questions. Marks of every question is 10 b) Multiple Choice Question- 25	15 05 05 Total = 25
i) Lab Test (01) ii) Note book iii) VIVA Marks Distribution of Theory Exam a) Creative Question- 50 Students have to answer any 5 questions out of 8 questions. Marks of every question is 10 b) Multiple Choice Question- 25 Students have to answer all 25 questions.	15 05 05 Total = 25
i) Lab Test (01) ii) Note book iii) VIVA Marks Distribution of Theory Exam a) Creative Question- 50 Students have to answer any 5 questions out of 8 questions. Marks of every question is 10 b) Multiple Choice Question- 25 Students have to answer all 25 questions. Marks of every question is 1 Marks Distribution of Practical Exam i) Lab Test (1)	$ \begin{array}{r} $
i) Lab Test (01) ii) Note book iii) VIVA Marks Distribution of Theory Exam a) Creative Question- 50 Students have to answer any 5 questions out of 8 questions. Marks of every question is 10 b) Multiple Choice Question- 25 Students have to answer all 25 questions. Marks of every question is 1 Marks Distribution of Practical Exam i) Lab Test (1) ii) Note book	15 05 05 Total = 25 Total = 75
i) Lab Test (01) ii) Note book iii) VIVA Marks Distribution of Theory Exam a) Creative Question- 50 Students have to answer any 5 questions out of 8 questions. Marks of every question is 10 b) Multiple Choice Question- 25 Students have to answer all 25 questions. Marks of every question is 1 Marks Distribution of Practical Exam i) Lab Test (1)	$ \begin{array}{r} $

Sceince (EV)-11

Pre-Test Examination Total working days- 50 days Allocated periods -27 Class Test-5 (Working Days-19) Periods-09 Class=09 1. 5th Chapter: (Full) Programming Language Pre-Test Examination (Working Days-31) Periods-18 1. 1st Chapter: (Full) ICT: World and Bangladesh Perspective Class =05 Class=05 2. 4th Chapter: (Full) Web Design & HTML Class = 08 3. 5th Chapter: (Full) Programming Language Mark Distribution of Pre-Test Examination Class Test-5 30 Converted into 20 Attendance 5 Creative Question = 50 75 Theory Total =100 **Marks Distribution of Theory Exam** a) Creative Question-50 Students have to answer any 5 questions out of 8 questions. 50 Marks of every question is 10 b) Multiple Choice Question- 25 Students have to answer all 25 questions. Marks of every question is 1 Total = 75**Test Examination** Total working Days-32 days **Total periods-18** Test Exam. (Total Working Days-32) periods-20 Class=10 6th Chapter: (Full) Database Management System Class=10 Review of Chapter 1 to Chapter 5 **Test exam will be conducted on the complete syllabus **Marks Distribution of Test Examination** Practical Exam =25Creative Question = 50 € Theory M.C.O = 25Total = 100

Marks Distribution of Theory Exam
a) Creative Question- 50
Students have to answer any 5 questions out of 8 questions.
Marks of every question is 10 50
b) Multiple Choice Question- 25
Students have to answer all 25 questions.
Marks of every question is 1
Total =75
Experiment: Theory-03 Use of instruments and data collection-05 Calculation and analysis-04
Calculation and analysis-04
Result with explanation 5 VIVA 5 Notebook 3
$\frac{\text{Notebook}}{\text{Total} = 25}$
* The books approved by NCTB are to be taught
* Besides, the books published according to the syllabus & creative
pattern by NCTB can also be taught.
* The following authors' books can be taught:

List of Reference Books:

SI		Boo	k	Writer
1	Information Technology	and	Communication	NCTB
2	Information Technology	and	Communication	A. Z. M. Asaduzzaman

* The books for practical class can be selected as per college instruction.

Subject: Physics 1st & 2nd Paper First Term Exam

First Term Exam Total working days-75 days Allotted Periods-58

Allotted Periods-58	
Class Test-1 (Working days-25) Alloted Periods-	21
First paper :	
Chapter 1- Physical world and Measurement	02 Periods
Chapter 2- Vector	10 Periods
Chapter 10- Ideal Gas and Kinetic Theory of Gases	09 Periods
Class Test -2 (Working days-32) Alloted Periods	<u>s-21</u>
First paper :	
Chapter 3- Dynamics	11 Periods
Second Paper:	10 D : 1
Chapter 1- Thermodynamics	10 Periods
Half Yearly Examination (Working days-22) Alloted P	eriods-16
First Paper : Chapter 4- Newtonian Mechanics	08 Periods
Second Paper: Chapter 6-Geometrical Optics	07 Periods
Repetition of Chapters of Class test 1 and Class Test 2. Marks Distribution of Half Veerly Every Every Institute of Half Veerly Institu	02 Periods
Marks Distribution of Half Yearly Examinatio	<u>n</u>
Marks Distribution of Half Yearly Examinatio Class Test-1 = 30 \(\) 60 Converted into	
Marks Distribution of Half Yearly Examinatio Class Test-1 = 30 60 Converted into Class Test-2 = 30	<u>n</u> =20
Marks Distribution of Half Yearly Examinatio Class Test-1 = 30 60 Converted into Class Test-2 = 30 Class Attendance	<u>n</u>
Marks Distribution of Half Yearly Examinatio Class Test-1 = 30 60 Converted into Class Test-2 = 30 Class Attendance 1 st Term (Theoretical) Creative- 50	<u>n</u> =20
Marks Distribution of Half Yearly Examinatio Class Test-1 =30 60 Converted into Class Test-2 =30 Class Attendance 1 st Term (Theoretical) Creative- 50 MCQ- 25	=20 05 75
Marks Distribution of Half Yearly Examinatio Class Test-1 = 30 60 Converted into Class Test-2 = 30 Class Attendance 1st Term (Theoretical) Creative- 50 MCQ- 25	$= 20$ 05 $\frac{75}{\text{Fotal} = 100}$
Marks Distribution of Half Yearly Examination Class Test-1 =30 60 Converted into Class Test-2 =30 Class Attendance 1st Term (Theoretical) Creative- 50 MCQ- 25 Marks Distribution of Theoretical Examination	$= 20$ 05 $\frac{75}{\text{Fotal} = 100}$
Marks Distribution of Half Yearly Examination Class Test-1 =30 60 Converted into Class Test-2 =30 Class Attendance 1st Term (Theoretical) Creative- 50 MCQ- 25 Marks Distribution of Theoretical Examination (a) Creative Question - 50 marks	= 20 05
Marks Distribution of Half Yearly Examination Class Test-1 = 30 60 Converted into Class Test-2 = 30 Class Attendance 1st Term (Theoretical) Creative- 50 MCQ- 25 Marks Distribution of Theoretical Examination (a) Creative Question - 50 marks 05 Questions are to be answered out of 08 creative Questions	= 20 05
Marks Distribution of Half Yearly Examination Class Test-1 = 30 60 Converted into Class Test-2 = 30 Class Attendance 1st Term (Theoretical) Creative- 50 MCQ- 25 Marks Distribution of Theoretical Examination (a) Creative Question - 50 marks 05 Questions are to be answered out of 08 creative Questions Each Question carries 10 marks	
Marks Distribution of Half Yearly Examination Class Test-1 = 30 60 Converted into Class Test-2 = 30 Class Attendance 1st Term (Theoretical) Creative- 50 MCQ- 25 Marks Distribution of Theoretical Examination (a) Creative Question - 50 marks 05 Questions are to be answered out of 08 creative Questions Each Question carries 10 marks (b) MCQ-25 marks	
Marks Distribution of Half Yearly Examination Class Test-1 = 30 60 Converted into Class Test-2 = 30 Class Attendance 1st Term (Theoretical) Creative- 50 MCQ- 25 Marks Distribution of Theoretical Examination (a) Creative Question - 50 marks 05 Questions are to be answered out of 08 creative Questions Each Question carries 10 marks	

Sceince (EV)-14

Annual Examination Total working days-71 days

Allotted Periods-48	
Class Test-3 (Working days-20) Alloted Periods-	16
First Paper :	
Chapter 5- Work, Energy and Power	07 Periods
C	
Second Paper:	00 D : 1
Chapter 2 - Electrostatics	09 Periods
Class Test-4 (Working days-23) Alloted Periods-	-14
First Paper: Chapter 6 -Gavitation & Gravity	06 Periods
Second Paper: Chapter 3 - Current Electricity	08 Periods
Annual Examination (Working days-28) Alloted Per	iods-18
First Paper: Chapter 8- Periodic Motion	07 Periods
Second Paper: Chapter 7 - Physical Optics	07 Periods
Repetition of chapters of half yearly examination, class test	
test 4.	04 Periods
Class Test-3 Marks Distribution of Annual Examination 60 Converted into	=20
Class Test-4 30	-20
Practical 20	
Class Attendance	05
1 st Term (Theoretical) [Creative- 50]	03
MCO- 25	75
	$\frac{75}{\text{Fotal} = 100}$
	100
Marks Distribution of Theoretical Examination	n:
(a) Creative Question - 50 marks	
05 Questions are to be answered out of 08 creative Questions	
Each Question carries 10 marks	50
(b) MCQ - 25 marks	
25 Questions are to be answered out of 25 MCQ.	
Each Question carries 01 mark	25
	Total = 75

Sceince (EV)-15

Mark Distribution of Description	
Marks Distribution of Practical Examination:	10
01 Experiment- Theory- 03	10
Usage of apparatus and data collection- 04	
Calculation and analysis- 03	0.2
Result Presentation with explanation-	03
Viva Voice-	04
Note book-	03
	Total = 20
Pre Test Exam	
Total working days- 50 days	
Allotted Periods-43	
Class Test-5 (Working days-19) Alloted Periods-	14
First Paper: Chapter 9-Wave	06 Periods
Second Paper :	
Chapter 4-Magnetic Effects of Current and Magnetism	08 Periods
Pre-test (Working days-33) Alloted Periods-29	
First Paper :	
Chapter 7 - Structural Property of Matter	08 Periods
Second Paper :	
Chapter 8- Introduction to Modern Physics	09 Periods
Chapter 5 -Electromagnetic induction and alternating current	
and repetition of Chapters of Class Test	05 Periods
Marks Distribution of Pre-test	
Class Test-5	30
Class Attendance	05
Pre-test (Theoretical)- Creative- 50	A. 1.5.01
MCQ- 25 \(\)	75
	Total = 100
Marks Distribution of Theoretical Examination;	
(a) Creative Question - 50 marks	
05 Questions are to be answered out of 08 creative Questions.	
Each Question carries 10 marks	50
(b) MCQ - 25 marks	
25 Questions are to be answered out of	
25 MCQ. Each Question carries 01 mark	25
25 MOV. Each Question curios of mark	Total= 75
	23002 10

Sceince (EV)—16

Test Examination Total working 32 days Allotted Periods-24 Test Examination(Working days-30) Alloted Periods-24 I Paper:

1 est Examination (working days-30) Anoted Perio	<u>us-24</u>
Second Paper:	
Chapter 9- Atomic model and nuclear physics	07 Periods
Chapter 10- Semiconductor and Electronics	09 Periods
Chapter 11- Astronomy	04 Periods
Revision Class	04 Periods
Marks Distribution of Test Examination;	
The test examination will cover all the chapters of both Firstl	nand Second
Paper.	
First paper.	
1. Theoretical-∫Creative- 50	75
MCQ- 25	
2. Practical	25
	Total = 100
Marks Distribution of Theoretical Examination	1;
(a) Creative Question — 50 marks	
05 Questions are to be answered out of 08 creative Questions	
Each Question carries 10 marks	50
(b) MCQ - 25 marks	
25 Questions are to be answered out of 25 MCQ.	
Each Question carries 01 mark	25
	Total= 75
Marks Distribution of Practical Examination:	
01 Experiment- Theory-03	12
Usage of apparatus and data collection-	05
Calculation and analysis-	04
Result Presentation with explanation-	05
Viva Voice-	05
Note book-	03
	Total = 25

Second paper

Similar to First paper

- * The books approved by NCTB are to be taught
- * Besides, the books published according to the syllabus & creative pattern by NCTB can also be taught.
- * The following authors' books can be taught:

List of Reference	Books.
Name of books.	Name of Authors
A. Physics-First	1. Dr. Amir Hussain Khan and Others Eleven-
paper	Twelve Classes. (English Version)
Eleven-Twelve	2. Dr. Shahjahan Tapan & Others (English Version)
Classes	3. Prof. Md. Golam Hossain Pramanik & Others
	4. Prof. A. T. M Shamsur Rahman (English Version)
B. Physics-	1. Dr. Amir Hussain Khan and others Eleven-Twelve
Second paper	Classes. (English Version)
Eleven- Twelve	2. Dr. Shahjahan Tapan & Others (English Version)
Classes	3. Prof. Md. Golam Hossain Pramanik & Others
Country Country of Country Cou	(Ev)
	4. Prof. A. T. M Shamsur Rahman Salu and Others
	(English Version)

^{*} The books for practical class can be selected as per college instruction.

Subject: Chemistry 1st & 2nd Paper First Term Exam

First Term Exam
Total working days-75days
Allotted Periods-55 days

Total working days-75days	
Allotted Periods-55 days	
Class Test-1 (Total working days 25) Allotted Perio	ds -20
First Paper: 1st Chapter - (Full)	03 periods
2 nd Chapter - (From beginning to Electromagnetic radiation	
Hydrogen spectra)	09 Periods
Second Paper :	
3rd Chapter- (From beginning to Partial Pressure)	08 Periods
(Before redox reaction)	
Class Test-2 (Total working days 23) Allotted Perio	ods -15
First Paper :	0.7
2nd Chapter - (Form Use of UV & IR rays to end)	05 periods
3 rd Chapter- (From beginning to Transition Elements)	
	05 periods
Second Paper: 3rd Chapter - (Rest of the Chapter)	05 periods
First Term Exam (Total working days 27) Allotted Pe	eriods -20
First Paper :	and the second second
1 st chapter: Use of Laboratory with safety measures	03 periods
2 nd Chapter: Qualitative Chemistry	05 periods
3rd Chapter: Periodic Properties of Elements (upto properties	of oxides)
	10 periods
Second Paper: 3rd Chapter (Full)	02 periods
Revision of class test-1 and 2	
Marks Distribution of First Term Examination	<u>n</u>
Class Test-1 30 \(\) 60 Converted into	=20
Class Test-2 30	
Class Attendance	05
Half Yearly (Theoretical) Creative- 50	
(MCQ- 25)	75
	Total = 100
Marks Distribution Creative Question:	
a. Creative Questions =50 marks	
Five out of Eight	
Each of the question carries 10 marks	$5 \times 10 = 50$
b. MCQ- 25 marks	
Each of the question has equal value and carries 01 marks	1×25=25
	Total=75
Sceince (EV)—19	Syllabus

Annual Examination Total working days-71 days

Allotted Periods-48 Class Test-3 (Total working days 20) Allotted Periods -22

First Paper:	
3 rd Chapter - (Ionic Bond to Last)	12-Periods
4 th Chapter - (From beginning to Relation between Kp & Kc)	12-Periods
, ,	
Class Test-4 (Total working days 23) Allotted Period	ds -18
First Paper:	
4 th Chapter - (From Ionic product of water to end)	10 Periods
5 th Chapter - Vocational Chemistry	08 Periods
Annual Exam (Total working days 28) Allotted Perio	ods -08
First Paper: 1st chapter: Safe Use of Laboratory	01 period
2 nd Chapter: Qualitative Chemistry	02 periods
3 rd Chapter: Periodic Properties and Chemical	
bonding of elements	01 period
2 nd Paper: 1 st Chapter: Environmental Chemistry	04 periods
Revision of class test-1, 2, 3, 4	
Marks Distribution of Annual Examination	

First paper			
Class Test- 3	307	60 Converted into	=20
Class Test-4	30		
Practical (1st Paper)	25 (W	ill use with Test Exam 1st Pape	r)
Class Attendance			05
Annual Examination	(Therort	ical) Creative- 50	
		LMCQ- 25	75
			$\Gamma otal = 100$

Marks Distribution for Practical exam:

	Total=25
3. Viva	=05
2. Note book	=0.5
1. Experiment	10+5=15

Marks Distribution Creative Questions	
Marks Distribution Creative Question: a. Creative Questions 50 marks	
Five out of eight	
Each of the question carries 10 marks	5×10=50
b. MCQ- 25 marks	
Each of the question has equal value and carries 01 marks	$1 \times 25 = 25$
Lacii oi die question nus equal value una earries et marie	Total=75
Pre Test Exam	
Total working days- 50 days	
Allotted Periods-40	
Class Test-5 (Total working days 19) Allotted Periods -14	
2nd Paper:	
2nd Chapter (From Beginning Benzene)	07 periods 07 periods
1st Chapter (From Beginning to real gas) Prc-test (Total working days 31) Allotted Periods	
Second Paper:	
2 nd Chapter - Organic Chemistry (Rest of the part)	10 periods
1st Chapter (Rest of the Chapter)	10 period
4 th Chapter - Electro chemistry (From Beginning to Galvannicell)	06 periods
Revision of Class Test-5	
Marks Distribution of Pre-test Examination First	<u>20</u>
Class Test-5 30 Converted into	20
CI Au I	
Class Attendance	5
Annual Examination (Theoretical)- Creative-50	5
	5 75
Annual Examination (Theoretical)- Creative-50 MCQ-25	5
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question:	5 75
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks	5 75
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight	5 75
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight Each of the question carries 10 marks	$\frac{75}{\text{Total} = 100}$
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight Each of the question carries 10 marks b. MCQ- 35 marks	$\frac{75}{\text{Total} = 100}$
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight Each of the question carries 10 marks	5 Total = 100 $5 \times 10 = 50$
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight Each of the question carries 10 marks b. MCQ- 35 marks Each of the question has equal value and carries 01 marks	5 75 Total = 100 $5 \times 10 = 50$ $1 \times 25 = 25$
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight Each of the question carries 10 marks b. MCQ- 35 marks Each of the question has equal value and carries 01 marks Test Examination	5 75 Total = 100 $5 \times 10 = 50$ $1 \times 25 = 25$
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight Each of the question carries 10 marks b. MCQ- 35 marks Each of the question has equal value and carries 01 marks Test Examination Total working days-32 days	5 75 Total = 100 $5 \times 10 = 50$ $1 \times 25 = 25$
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight Each of the question carries 10 marks b. MCQ- 35 marks Each of the question has equal value and carries 01 marks Test Examination Total working days-32 days Allotted Periods-23 days	5 75 Total = 100 $5 \times 10 = 50$ $1 \times 25 = 25$ Total = 75
Annual Examination (Theoretical)- Creative-50 MCQ-25	5 75 Total = 100 $5 \times 10 = 50$ $1 \times 25 = 25$ Total = 75
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight Each of the question carries 10 marks b. MCQ- 35 marks Each of the question has equal value and carries 01 marks Test Examination Total working days-32 days Allotted Periods-23 days Test, exam. (Total working days 30) Allotted Periods-25 Second paper:	5 75 $Total = 100$ $5 \times 10 = 50$ $1 \times 25 = 25$ $Total = 75$ $tods -23$
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight Each of the question carries 10 marks b. MCQ- 35 marks Each of the question has equal value and carries 01 marks Test Examination Total working days-32 days Allotted Periods-23 days Test, exam. (Total working days 30) Allotted Periods-23 days Second paper: 4th Chapter - Electrochemistry (Rest of the part)	$\frac{75}{\text{Total} = 100}$ $5 \times 10 = 50$ $\frac{1 \times 25 = 25}{\text{Total} = 75}$ $\frac{\text{ods } -23}{13 \text{ periods}}$
Annual Examination (Theoretical)- Creative-50 MCQ-25	
Annual Examination (Theoretical)- Creative-50 MCQ-25 Marks Distribution Creative Question: a. Creative Questions 50 marks Five out of eight Each of the question carries 10 marks b. MCQ- 35 marks Each of the question has equal value and carries 01 marks Test Examination Total working days-32 days Allotted Periods-23 days Test, exam. (Total working days 30) Allotted Periods-23 days Second paper: 4th Chapter - Electrochemistry (Rest of the part)	

Marks Distribution of test Examination Practical (2nd Paper) 25 Annual exam (theoretical): Creative 50 LMCO 25 75 Total = 100**Marks Distribution Creative Question:** a. Creative Questions =50 marks Five out of eight Each of the question carries 10 marks 5×10=50 b. MCQ- 25 marks Each of the question has equal value and carries 01 marks $1 \times 25 = 25$ Total=75 Marks distribution of Practical of Exam. List of reference Chemistry books (1st & 2nd Paper) The books approved by NCTB are to be taught Besides, the books published according to the syllabus & creative pattern by NCTB can also be taught. The following authors' books can be taught: Name of books Name of Authors 1. Chemistry-1st& 2nd paper 1. Md. Abu Salek 2. Ahsanulkabir 3. Swapan Kumar Mistry 4. MahbubHasan Lingcon 5. Haradhan Nag

* The books for practical class can be selected as per college instruction.

Subject: Biology 1st & 2nd Paper Half Yearly Exam Total Working Days: 75

Periods: 51

Class test-1 (Working Days-25) periods- 16

First Paper: 1st Chapter - Cell and it's structure Second paper: 1st Chapter - Animal Diversity and Classification Class Test-2 (Working Days-23) periods-19 First Paper: 2nd Chapter - Cell Division Second paper: 2nd Chapter - Introduction to Animal (Hydra, Grasshopper) Half Yearly exam (Working Days-27) periods-16 First Paper: 3nd Chapter-Cell Chemistry 08 periods Second Paper: 2nd Chapter - Introduction to Animal (Rohu Fish) 3nd Chapter-Human physiology: Digestion and Absorption Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 Class Test-1 30 60 Converted into Class Test-2 Class Attendance Half Yearly exam (Theoretical) Creative 50 MCQ- 25 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks B)MCQ- 25 marks	Class test-1 (Working Days-25) perious- 10			
Second paper: 1st Chapter - Animal Diversity and Classification Class Test-2 (Working Days-23) periods-19 First Paper: 2nd Chapter - Cell Division Second paper: 2nd Chapter - Introduction to Animal (Hydra, Grasshopper) Half Yearly exam (Working Days-27) periods-16 First Paper: 3nd Chapter-Cell Chemistry Second Paper: 2nd Chapter - Introduction to Animal (Rohu Fish) 3nd Chapter - Introduction to Animal (Rohu Fish) 3nd Chapter-Human physiology: Digestion and Absorption Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 Class Test-1 30 60 Converted into Class Test-2 Class Attendance Half Yearly exam (Theoretical) Creative 50 MCQ- 25 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10=50				
Class Test-1 30 60 Converted into Class Test-2 (and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-2 30 Class Attendance Half Yearly exam (Theoretical) Creative 50 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks Class Test-1 2 mod Chapter - Introduction on Animal (Rohu Fish) Marks Distribution for first Terminal Examination Class Test-1 30 60 Converted into 20 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks Os periods 05 periods 08 periods Or Captive So Introduction to Animal (Hydra, Grasshopper) 14 periods 14 periods 14 periods 15 periods 16 periods 18 periods 19 periods 18 periods 19 periods 10 periods 10 periods 10 periods 14 periods 16 periods 18 periods 18 periods 19 periods 19 periods 10 periods 14 periods 10 periods 11 periods 11 periods 11 periods 12 periods 13 periods 14	1 st Chapter - Cell and it's structure	09 periods		
Class Test-2 (Working Days-23) periods-19 First Paper: 2 nd Chapter - Cell Division 05 periods Second paper: 2 nd Chapter - Introduction to Animal (Hydra, Grasshopper) 14 periods Half Yearly exam (Working Days-27) periods-16 First Paper: 3 nd Chapter-Cell Chemistry 08 periods Second Paper: 2 nd Chapter - Introduction to Animal (Rohu Fish) 3 nd Chapter-Human physiology: Digestion and Absorption 08 periods Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 30 60 Converted into =20 Class Test-2 30 Class Attendance Half Yearly exam (Theoretical) Creative 50 MCQ- 25 75 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50	Second paper:	0.7		
First Paper: 2 nd Chapter - Cell Division Second paper: 2 nd Chapter - Introduction to Animal (Hydra, Grasshopper) Half Yearly exam (Working Days-27) periods-16 First Paper: 3 rd Chapter-Cell Chemistry Second Paper: 2 nd Chapter - Introduction to Animal (Rohu Fish) 3 rd Chapter - Introduction to Animal (Rohu Fish) 3 rd Chapter-Human physiology: Digestion and Absorption Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 Class Test-2 Class Attendance Half Yearly exam (Theoretical) Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10=50 B)MCQ- 25 marks	1 st Chapter - Animal Diversity and Classification	07 periods		
Second paper: 2 nd Chapter - Introduction to Animal (Hydra, Grasshopper) Half Yearly exam (Working Days-27) periods-16 First Paper: 3 rd Chapter-Cell Chemistry Second Paper: 2 nd Chapter - Introduction to Animal (Rohu Fish) 3 rd Chapter-Human physiology: Digestion and Absorption Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 Class Test-2 Class Attendance Half Yearly exam (Theoretical) Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	Class Test-2 (Working Days-23) periods- 19	0.5		
Half Yearly exam (Working Days-27) periods Half Yearly exam (Working Days-27) periods-16 First Paper: 3 rd Chapter-Cell Chemistry 08 periods Second Paper: 2 nd Chapter - Introduction to Animal (Rohu Fish) 3 rd Chapter-Human physiology: Digestion and Absorption 08 periods Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 30 60 Converted into =20 Class Test-2 30 Class Attendance 05 Half Yearly exam (Theoretical) Creative 50 MCQ- 25 75 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	First Paper: 2 nd Chapter - Cell Division	05 periods		
Half Yearly exam (Working Days-27) periods-16 First Paper: 3 rd Chapter-Cell Chemistry 08 periods Second Paper: 2 nd Chapter - Introduction to Animal (Rohu Fish) 3 rd Chapter-Human physiology: Digestion and Absorption 08 periods Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 30 60 Converted into =20 Class Test-2 30 Class Attendance 05 Half Yearly exam (Theoretical) Creative 50 MCQ-25 75 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10=50 B)MCQ- 25 marks	Second paper :	14		
First Paper: 3 rd Chapter-Cell Chemistry Second Paper: 2 nd Chapter - Introduction to Animal (Rohu Fish) 3 rd Chapter-Human physiology: Digestion and Absorption Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 30 60 Converted into Class Test-2 30 7 Class Attendance Half Yearly exam (Theoretical) Creative 50 MCQ- 25 75 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	2 nd Chapter - Introduction to Animal (Hydra, Grasshopper)	14 periods		
First Paper: 3 rd Chapter-Cell Chemistry Second Paper: 2 nd Chapter - Introduction to Animal (Rohu Fish) 3 rd Chapter-Human physiology: Digestion and Absorption Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 30 60 Converted into Class Test-2 30 70 Class Attendance Half Yearly exam (Theoretical) Creative 50 MCQ- 25 75 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	Helf Weerly even (Working Days_27) periods-	16		
Second Paper: 2nd Chapter - Introduction to Animal (Rohu Fish) 3rd Chapter-Human physiology: Digestion and Absorption Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 Class Test-1 Class Test-2 Class Attendance Half Yearly exam (Theoretical) MCQ- 25 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	Hall Yearly exam (Working Days-21) perious-	08 periods		
2nd Chapter - Introduction to Animal (Rohu Fish) 3rd Chapter-Human physiology: Digestion and Absorption Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 Class Test-2 Class Attendance Half Yearly exam (Theoretical) MCQ- 25 MCQ- 25 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks		oo periodo		
3rd Chapter-Human physiology: Digestion and Absorption Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 Class Test-2 Class Attendance Half Yearly exam (Theoretical) Creative 50 MCQ- 25 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks				
Digestion and Absorption Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 30 60 Converted into =20 Class Test-2 30 Class Attendance 05 Half Yearly exam (Theoretical) Creative 50 MCQ- 25 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 × 10= 50 B)MCQ- 25 marks				
Syllabus of Class test-1 and Class Test-2 will be included in Half Yearly exam Marks Distribution for first Terminal Examination Class Test-1 30 60 Converted into =20 Class Test-2 30 Class Attendance		08 periods		
Marks Distribution for first Terminal Examination Class Test-1 30 60 Converted into =20 Class Test-2 30 Class Attendance 05 Half Yearly exam (Theoretical) Creative 50 MCQ- 25 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	Digestion and Absorption G. 11-1 of Class test 1 and Class Test-2 will be included it			
Marks Distribution for first Terminal Examination Class Test-1 30 60 Converted into =20 Class Test-2 30 Class Attendance 05 Half Yearly exam (Theoretical) Creative 50 MCQ- 25 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks				
Class Test-1 30 60 Converted into =20 Class Test-2 30 Class Attendance 05 Half Yearly exam (Theoretical) Creative 50 MCQ- 25 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	exam			
Class Test-1 30 60 Converted into =20 Class Test-2 30 Class Attendance 05 Half Yearly exam (Theoretical) Creative 50 MCQ- 25 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	Marks Distribution for first Terminal Examina	tion		
Class Test-2 30		=20		
Class Attendance Half Yearly exam (Theoretical) Creative 50 MCQ- 25 75 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	Class Test 1			
Half Yearly exam (Theoretical) Creative 50 MCQ- 25 Total = 100 Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks		05		
$ \frac{\text{MCQ- 25J}}{\text{Total} = 100} $ $ \frac{\text{Marks distribution for theoretical exam:}}{\text{A) Creative questions - 50 marks.}} $ Out of 8 questions any 5 have to write. Each of the questions carries 10 marks $ 5 \times 10 = 50 $ $ \text{B)MCQ- 25 marks} $	Half Yearly exam (Theoretical) Creative 50			
Marks distribution for theoretical exam: A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	[MCQ- 25]			
A) Creative questions - 50 marks. Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks		Total = 100		
Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks				
Out of 8 questions any 5 have to write. Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	A) Creative questions - 50 marks.			
Each of the questions carries 10 marks 5 ×10= 50 B)MCQ- 25 marks	Out of 8 questions any 5 have to write.			
B)MCQ- 25 marks	Each of the questions carries 10 marks	$5 \times 10 = 50$		
25 questions are to give.	25 questions are to give.			
Each of the questions has equal value and carries 01 $1\times25=25$	Fach of the questions has equal value and carries 01			
Total Theoretical marks: 75				
Sceince (EV)—23 Syllabus	Sceince (EV)—23	Syllabus		

Annual Examination

Total Working Days: 71	
Periods: 51	
Class test-3 (Working Days-20) periods- 15 First Paper: 4 th Chapter - Microorganisms	
First Paper: 4 th Chapter - Microorganisms	06 periods
Second Paper: 4 th Chapter - Human physiology: Blood and	Blood
circulation	09 periods
Class Test-4 (Working Days-23) periods- 16	1
First Paper: 5 th Chapter - Algae and Fungi 09 periods	
Second Paper: 5th Chapter -Human physiology: Breathing an	d
Respiration	07 periods
Annual Exam (Working Days-28) periods- 20	r
First Paper : 6 th Chapter –Bryophyta and Pteridophyta	12 periods
Second Paper: 6 th Chapter -Human physiology: Waste and excretion	08 periods
And Revision of Previous Chapter	1
Marks distribution for Annual Examination	
Class Test-3 30 \ 60 Converted into	=20
Class Test-4 30 \int	
Class attendance	=05
Annual Exam (Theoretical): Creative - 50	=75
MCO- 25	, 5
	Total = 100
Practical examination 25	
Marks distribution for Practical exam:	
1. Dissection and Indentation	17
2. Note book	03
3. Viva	05
	Total=25
Marks distribution for theoretical exam:	
A) Creative questions – 50 marks.	
Out of 8 questions any 5 have to write.	
Each of the questions carries 10 marks.	5 ×10= 50
B) MCQ - 25 marks	
25 questions are to give.	
Each of the questions has equal value and carries 01 marks	1× 25= 25
i was the state of	$\frac{1 \times 25 - 25}{\text{Total} = 75}$
	10tal - 75

Practical exam syllabus of first paper

- Observation of Plant Diversity.
- Different stage of Mitotic cell division.
- Observation of Bacteria.
- Identification of Malvaceae and Poaceae family.
- Observation of the transverse section of roots and shoots of Monocotyledon plants.
- To examine the importance of CO₂ in photosynthesis.
- Examination of Anaerobic respiration. 7.

Pre-Test Exam

Total Working Days: 50

Periods: 35

Class Test-5 (Working Days-19) periods-15
First Paper: 7th Chapter-Gymnospermic and Angiospermic plants08 periods

Second Paper: 7th Chapter -Human Physiology:

07 Periods Locomotion and Body movement.

Pre- test exam (Working Days-31) periods- 20

05 periods First Paper: 8th Chapter - Tissue and Tissue system 9th Chapter -Plant physiology 05 periods

Second Paper:

05 periods 8th Chapter -Human physiology: Coordination and Control 05 periods 11th Chapter - Genetics and Evolution

Syllabus of Class Test-5 will be included in Pre- Test Exam

Marks distribution forPre-TestExamination

= 2030 converted into Class Test-5 = 05Class attendance

=75Pre test exam (Theoretical) : Creative-50 MCO- 25

Marks distribution for theoretical exam:

A) Creative questions – 50 marks

Out of 8 questions any 5 have to write.

 $5 \times 10 = 50$ Each of the questions carries 10 marks.

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks $1 \times 25 = 25$

Total = 75

Total = 100

Sceince (EV)-25

Test Examination Total Working Days: 32 Periods: 24

1 Citous. 24	
Test Exam (Working Days-32) periods- 24	
Frist Paper: 10 th Chapter - Plant Reproduction	03 periods
11 th Chapter - Biotechnology	05 periods
12 th Chapter – Environment, Distribution and	r
Conservation of Living Organisms	04 periods
Second Paper: 9 th Chapter - Continuation of human life	03 periods
10 th Chapter -Immunity of Human Body	05 periods
12 th Chapter -Animal Behavior	04 periods
	04 periods
*** First paper and second paper questions will be made on entire syllabus.	separately
on churc synabus.	
Marks distribution for Test Examination	
Practical	25
Annual exam (Theoretical) : Creative -50	25 75
MCQ-25	13
	Total =100
Marks distribution for Theoretical exam:	10tal -100
A) Creative questions – 50 marks.	
Out of 8 questions any 5 have to write.	
Each of the questions carries 10 marks.	5 ×10= 50
B) MCQ - 25 marks	2 ×10- 20
25 questions are to give.	
	01 05 05
Each of the questions has equal value and carries 01 marks	$01 \times 25 = 25$
***************************************	Total = 75
** Marks distribution of practical exam: Dissection And Identification	10
Viva Voice	18
Note Book	04
Note Book	<u>U3</u>
	Total = 25

Practical syllabus of Second paper

- 1. Study of Museum Specimen (Non-Chordates-5, Chordates-5)
- 2. Study of Permanent Slide
- Study of Mouth parts of cockroach & Digestive system of Cockroach
- 4. Study of Efferent Branchial system (Rohu fish/Lata fish)
- 5. Study of Afferent Branchial system (Rohu fish/Lata fish)
- 6. Study of Gill of fish (Rohu fish)
- 7. Study of Air bladder of fish(Rohu fish)
- 8. Study of Skeletal system of Human.

List of reference Biology Books (1st & 2nd Paper)

- * The books approved by NCTB are to be taught
- * Besides, the books published according to the syllabus & creative pattern by NCTB can also be taught.
- * The following authors' books can be taught:

Name of the Book Name of the Author

Biology 1st paper 1. Md. MizanurRahman

2.Dr Md.AbdulAlim

Class 11-12 3. Prof. Mahfuja Haque

4. Prof. Dr. Md Azibur Rahman

Name of the BookName of the Author

Biology 2nd paper 1. Dr. Md. AbdulAlim

Class 11-12 2. Fazlul Haque

3. Prof Md Ashraf Uddin

* The books for practical class can be selected as per college instruction.

Name of the Book Name of the Author

Biology 1st and 2nd Paper

1. Md. MizanurRahman

(Practical) 2. LammiaSharmin

Subject: Higher Math 1st & 2nd Paper First Term Exam

First Term Exam Total working days-75 days Allotted Periods-64 days

Class Test-1 (Working days-25) Allotted Periods-22 1st paper:			
1 st Chapter - Matrix and Determinants [Exercise: 1.1-1.2] 3 rd Chapter - Straight lines [Exercise- 3.1 - 3.5]	10 Periods 12 Periods		
Class Test-2 (Working days-23) Allotted Period	ds-20		
1 st paper: 3 rd Chapter- Straight lines [Exercise:-3.6-3.7] 7 th Chapter - Trigonometric Ratios of Associated Angles	08 Periods		
[Exercise- 7.1 - 7.7] Revision of class test-1	12 Periods		
Half Yearly Examination (Working days-27) Allotted	Periods-22		
Syllabus of class test-l and class test-2:			
1st Paper: 4th Chapter - Circle [Exercise- 4.1 -4.2]	11 Periods		
2 nd Paper: 7 th Chapter - Inverse Trigonometric Function &	2		
Trigonometric Equations [Ex-7.1 - 7.2] Revision of class test-1.2	11 Periods		
Revision of class test-1.2			
Monks Distribution of 1st To D			
Class Test- 1 Marks Distribution of 1 st Term Examination 60 Converted into	=20		
Class Test-2 30 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-20		
Class Attendance	05		
1 st Term exam (Theoretical) \(\sum_{\text{Creative-}} 50 \)	03		
MCQ- 25	75		
C MCQ- 233	$\frac{75}{\text{Total} = 100}$		
Marks Distribution of Theoretical Examination			
(a) Creative Question - 50 marks	<u> </u>		
Total 8 question will be given out of them any 5question are to be			
answered Each Question carries 10 marks 50			
(b) MCQ 25 marks	50		
Total 25 questions will be given. All questions are to be answered			
Each Question carries 01 marks	25		
Total= 75			
Sceince (EV)—28	Syllabus		
Country (LV) 20	-,a.b.u.b		

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

Class Tcst-3 (Working days-I7) Allotted Periods-14

Class Test-3 (Working days-1/) Anotted Ferrous-14			
1 st paper. 8 th Chapter: Function and Graph of Functions [Exercise-8] 6 th Chapter: Conics [Exercise:-6.1 - 6.3]	06 Periods 08 Periods		
Class Test-4 (Working days-25) Allotted Periods-1 st paper: 9 th Chapter - Differentiation [Exercise:-9.1 - 9.9] 5 th Chapter - Permutations and Combinations [Exercise- 5.1 - 5.2] Revision of class test-3	13 Periods		
Annual Examination (Working days-25) Allotted Peri paper: 10 th Chapter - Integration [Exercise- 10.1 - 10.7]	ods-20 11 Periods 09 Periods		
2 nd Paper: 5 th Chapter - Binomial Expression [Exercise-5.1 - 5.2] Revision of class test 1, 2 and 3, 4 Marks Distribution of Annual Examination	0) Teriods		
Class Test-3 Class Test-4 Practical One of the content of the con	=20		
Class Attendance Annual Examination (Therortical) Creative- 50	05		
	$\frac{75}{\text{Total} = 100}$		
Marks Distribution of Theoretical Examination:			
(a) Creative Question - 50 marks			
Total 8 question will be given out of them any 5question are to answered.	to be		
Each Question carries 10 marks	50		
(b) MCQ 25 marks	vered		
Total 25 questions will be given. All questions are to be answ Each Question carries 01 marks	25		
Each Question carries of marks	Total= 75		

Pre-test Examination Total working days-48 days Allotted Periods-38 days

Class Test-5 (Working days-20) Allotted Periods-16

2nd Paper:

 1^{st} Chapter - Real numbers and Inequalities [Exercise- 1.1-1.2] 10 periods 10^{th} Chapter :

Measures of Dispersions & Probability [Exercise- 10.1 - 10.2] 06 periods

Prc-test (Working days-28) Allotted Periods-22

Full syllabus of Class Test-5

2nd paper:

2 nd Chapter-Liner Programming (Exercise-2)	04 Periods
3 rd Chapter - Complex Numbers [Exercise: - 3]	06 Periods
8 th Chapter: Statics [Exercise: 8.1-8.4]	12 Periods

Marks Distribution of Pre-test

Class Test-5 (30 conv	verted into 20)	**	= 20
Class Attendance			= 05
Pre-test (Theoretical)-	✓ Creative- 50		

LMCQ- 25

Total = 100

Marks Distribution of Theoretical Examination:

(a) Creative Question - 50 marks

Total 8 question will be given out of them any Squestion are to be answered

Each Question carries 10 marks

50

(b) MCQ 25 marks

Total 25 questions will be given. All questions are to be answered

Each Question carries 01 marks

25

Total=75

Sceince (EV)-30

Test Examination Total working days-32 days Allotted Periods-20 days st Exam. (Working days-32) Allotted Periods-20

Test Exam. (Working days-32) Allotted Periods-20				
First Paper 2nd Chapter - Vectors [Exercise: - 2]	04 Periods 03 Periods			
2 nd Paper:				
4 th Chapter - Polynomial and polynomial Equations [Exercise: 4.1-4.2] 9 th Chapter- Motion of particles in a Plane [Exercise-9.1 - 9.4]	06 Periods 07 Periods			
Full syllabus of Previous Examination				
Marks Distribution of Test Examination				
Test examination will be held separately According to the full	syllabus of			
1 st Paper and 2 nd Paper book.				
First paper & 2 nd Paper				
1. Practical-	25			
2. Theoretical- Creative- 50	75			
	Γotal =100			
Morks Distribution of Theoretical Everningtion	The state of the s			
Marks Distribution of Theoretical Examination:				
(a) Creative Question - 40 marks	<u>:</u>			
(a) Creative Question - 40 marks 05 Questions are to be answered out of 08 creative Questions.				
05 Questions are to be answered out of 08 creative Questions.				
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks				
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks (b) MCQ - 25 marks				
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks (b) MCQ - 25 marks 25 Questions are to be answered out of 25 MCQ.	50 25			
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks (b) MCQ - 25 marks	50			
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks (b) MCQ - 25 marks 25 Questions are to be answered out of 25 MCQ. Each Question carries 01 marks	50 25			
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks (b) MCQ - 25 marks 25 Questions are to be answered out of 25 MCQ. Each Question carries 01 marks Marks distribution of practical examination 1 Experiment C Theory -03	50 25			
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks (b) MCQ - 25 marks 25 Questions are to be answered out of 25 MCQ. Each Question carries 01 marks Marks distribution of practical examination 1 Experiment Theory -03 Use of instruments and Data Collection -05	50 25 Total= 75			
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks (b) MCQ - 25 marks 25 Questions are to be answered out of 25 MCQ. Each Question carries 01 marks Marks distribution of practical examination	50 25 Total= 75			
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks (b) MCQ - 25 marks 25 Questions are to be answered out of 25 MCQ. Each Question carries 01 marks Marks distribution of practical examination 1 Experiment Theory -03 Use of instruments and Data Collection -05 Calculation and Analysis -04	50 25 Total= 75			
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks (b) MCQ - 25 marks 25 Questions are to be answered out of 25 MCQ. Each Question carries 01 marks Marks distribution of practical examination 1 Experiment Theory -03 Use of instruments and Data Collection -05	50 25 Total= 75 12 05 05			
05 Questions are to be answered out of 08 creative Questions. Each Question carries 10 marks (b) MCQ - 25 marks 25 Questions are to be answered out of 25 MCQ. Each Question carries 01 marks Marks distribution of practical examination 1 Experiment Theory -03 Use of instruments and Data Collection -05 Calculation and Analysis -04 Presentation of results with explaimation	50 25 Total= 75			

List of Text book	
Name of the writers	
l. Md. Rafiqul Islam, Kazi Kamruzz	zaman &

5. M. A Jabbar and S.U Ahmed

5. M. A Jabbar and S.U Ahmed

ı		1. Md. Rafiqui Islam, Kazi Kamruzzaman &
		Others. Ruponti Publication.
		2.A.T.S.M Masudul Hakim, Md. Abdul
	Higher Mathematics	Mannan Khan & Othres. Sectec Publication
l	1 st Paper.	3. Md. Nazrul Islam and Md. Ketab Uddin
		4. Ashim kumar Saha & Others. Akkhar Patra
ı		Publication.

Name of the book

Name of the book	Name of the writers
	1. Md. Rafiqul Islam, Kazi Kamruzzaman &
	Others. Ruponti Publication.
Higher Mathematics	2. A.T. S. M Masudul Hakim, Md. Abdul
	Mannan Khan & Othres. Sistek Publication
2nd Paper.	3. Md. Nazrul Islam and Md. Ketab Uddin
	4. Ashim kumar Saha & Others. Akkhar Patra
	Publication

Engineering Drawing And Workshop Practice 1st & 2nd Paper

Half Yearly Examination Total Working Day-75 Days Allotted Period-48

Class Test- 1 (working Days- 26), Allotted Period-18	
1st Paper :	
1. Drawing Instruments and their uses.	01
Standard of Lines and Methods of Dimensioning.	01
3. Triangle, Quadrilateral, Polygon Geometrical Drawing	07
2nd Paper	
1. Introduction of Surveying, Purpose of Surveying	
Classification of Surveying.	02
2.Survey Instruments:	02
a. Chain Survey.	
b. Compass Survey.	
c. Plane table Survey.	
3. Basic principle of chain Survey.	01
4. Instrument used in chain Survey	
a) Engineers chain, b) Gunter's chain, c) Metric chain d) Ranging rod,	0.4
e) Offset rod, f) Plumb-bob, g) Arrows, h) Optical square.	04
Class Test-2 (Working Days-24), Allotted CJass-14	
1st Paper:	
1. Figures of equal areas.	02
2. Tangent to circles & Ellipse.	04
3. Enlarging or Reducing Plane Figures.	01
2nd Paper:	
1. Folding & Unfolding of chain.	01
2. Procedure of Chain Surveying.	01
3. Booking procedure in field book, Considerable Terms while booking	ıg a
	02
field book. 4. Measuring the field with chain & calculate the area. Revision of cla	
test-1 and Class Test-2 sallabus.	03
lest-1 and Class 1 est-2 sanaous.	00

Half Yearly Examination (Working Days-25) Allotted Class -16	
1st Paper:	
1. Lettering & Numbering.	01
2. Plain Scale and Diagonal Scale.	02
3. Conventional Signs (Symbols).	01
4. Revision of class test-1 and class test-2	05
2nd Paper:	
1. List of Error in Chaining: Cumulative errors, (+) Positive Cumul	ative.
(-) Negative Cumulative errors, Compensating Errors, Mistakes.	02
2. Draw Plan and Calculate the area of a plot	03
3. Revision of class test-1 and class test-2	02
Marks Distribution of Half Yearly Examination	
Class Test- 1 30 \ 60 Converted into	=20
Class Test-2 30 \int	
Class Attendance	05
Half Yearly exam (Theoretical) 1st Paper- 50	
2nd Paper-25	75
Total =	100
(Theoretical) Marks Distribution of Written Test	
1st Paper : Out of 10 questions 5 are to be answered. 10×5	5 = 50
2nd Paper : Out of 7 questions 5 are to be answered 5×5	5 = 25
Total	1 = 75
Annual Examination:	
Total Working Day- 71 Days, Allotted Period-33	
Class Test-3 (Working Days- 20) Allotted Period-07	
1st Paper:	
1. Isometric view.	01
2. First and third angle projection.	01
3. Projection of points, lines & planes	02
2nd Paper: Compass survey:	
1. Classification of compass, Introduction of Instrument.	01
2. Differences and uses of Prismatic Compass, Surveyors compass a	nd
use of Trough compass.	02
Class Test-4 (Working Days 23), Allotted Period-12	
1st Paper:	
1. Projection of Solids; Cube, Prism, Pyramid Cylinder, Cone.	03
2. Development of Prism, Pyramid, Cylinder & Cone	03
Sceince (EV)—34 Syllabus	
Sceince (EV)—34 Syllabus	

2nd Paper:	
1. Magnetic needle, Dip-of-the needle, Magnetic Meridian.	03
2. Calculate the Area with Bearing and Traverses	03
2. Calculate the Area with Bearing and Traverses	
Annual Examination (Working Days- 28) Allotted Period	1_14
1st Paper:	
1. Projection of Engineering Drawing Instruments.	04
2. First angle projection, Oblique projection, IsometricLview	
3. Revision of class test-1, 2, 3, 4.	04
J. Revision of class test 1, 2, 3, 11	
2nd Paper	
Revision of class test-1, 2, 3, 4.	02
Distribution of Marks -Annual E amJ	
Class Test- 1 30 \[60 Converted into	=20
Class Test-2 30 \int	
Class Attendance	05
Annual exam (Theoretical)-	
2nd Paper-25	$\frac{75}{\text{Total} = 100}$
	10181 = 100 1
	10001
Distribution of Practical Marks	10001
Distribution of Practical Marks 1. Practical (01)	
1. Practical (01)	15
1. Practical (01) 2. Work book 1st Paper	
1. Practical (01)	15 5 5
1. Practical (01) 2. Work book 1st Paper	15
1. Practical (01) 2. Work book 1st Paper 3. Work book 2nd Paper	$ \begin{array}{r} 15 \\ 5 \\ \hline 5 \\ \hline Total = 25 \end{array} $
1. Practical (01) 2. Work book 1st Paper 3. Work book 2nd Paper Marks Distribution of Written Exam (Theortic	$ \begin{array}{r} 15 \\ 5 \\ \hline 5 \\ \hline Total = 25 \end{array} $
1. Practical (01) 2. Work book 1st Paper 3. Work book 2nd Paper Marks Distribution of Written Exam (Theortic 1st Paper:	$ \begin{array}{r} 15 \\ 5 \\ \hline 5 \\ \hline Total = 25 \end{array} $
1. Practical (01) 2. Work book 1st Paper 3. Work book 2nd Paper Marks Distribution of Written Exam (Theortic	15 5 5 Total = 25
1. Practical (01) 2. Work book 1st Paper 3. Work book 2nd Paper Marks Distribution of Written Exam (Theortic 1st Paper: Out of 10 questions 5 are to be answered 2nd Paper:	
1. Practical (01) 2. Work book 1st Paper 3. Work book 2nd Paper Marks Distribution of Written Exam (Theortic 1st Paper: Out of 10 questions 5 are to be answered	
1. Practical (01) 2. Work book 1st Paper 3. Work book 2nd Paper Marks Distribution of Written Exam (Theortic 1st Paper: Out of 10 questions 5 are to be answered 2nd Paper:	
1. Practical (01) 2. Work book 1st Paper 3. Work book 2nd Paper Marks Distribution of Written Exam (Theortic 1st Paper: Out of 10 questions 5 are to be answered 2nd Paper:	
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1. Practical (01) 2. Work book 1st Paper 3. Work book 2nd Paper Marks Distribution of Written Exam (Theortic 1st Paper: Out of 10 questions 5 are to be answered 2nd Paper:	
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1. Practical (01) 2. Work book 1st Paper 3. Work book 2nd Paper Marks Distribution of Written Exam (Theortical 1st Paper: Out of 10 questions 5 are to be answered 2nd Paper:	

Pre-Test Examination Total Working Day-55 Daus Allotted Period -33

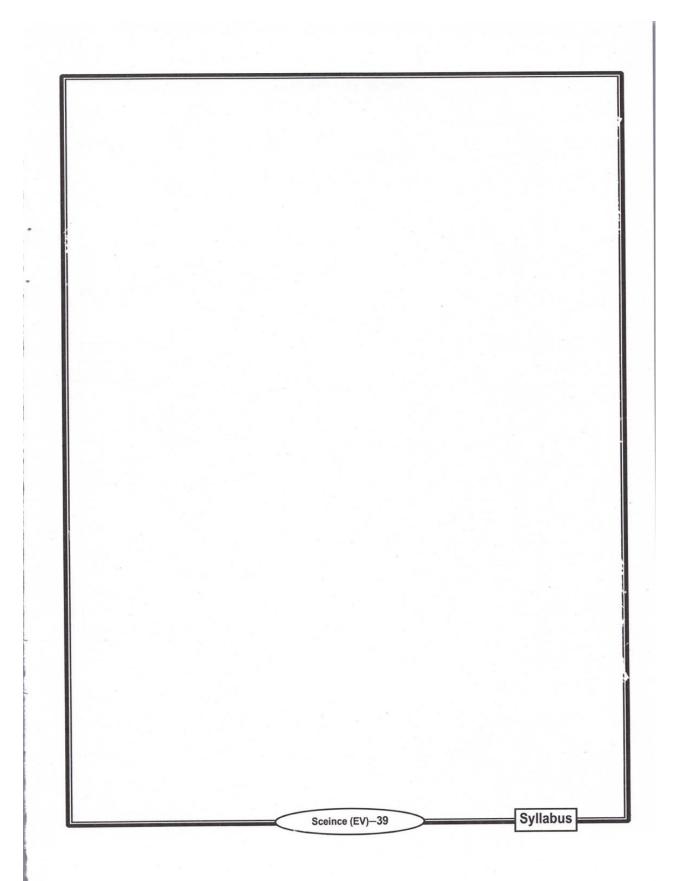
Class Test-5 (Working Days-19) Allotted Period-9	
1st Paper:	
1. Screw threads.	01
2. Machine Screws.	01
3. Square & Hexagonal Nut and bolt	02
4. Rivets	02
2nd Paper:	
1. Plane table survey. Introduction and uses of plane table surveying	
instruments.	01
2. Methods of plane table surveying and advantages	
& disadvantages of plane table surveying	02
Pre-test Exam (Working Days-31)allotted periods - 18	
1st Paper:	
1. Building door & Windows.	03
2. Draw building plan, section & elevation for single & double room	
building.	03
3. Revision of class test 1, 2, 3, 4, 5 syllabus.	03
2nd Paper:	
1. "Fore bearing, Back bearing, Resection by back sighting", by	
Radiation methods	05
2. Revision of 1st, 2nd, 3rd, 4th & 5th class test syllabus.	04

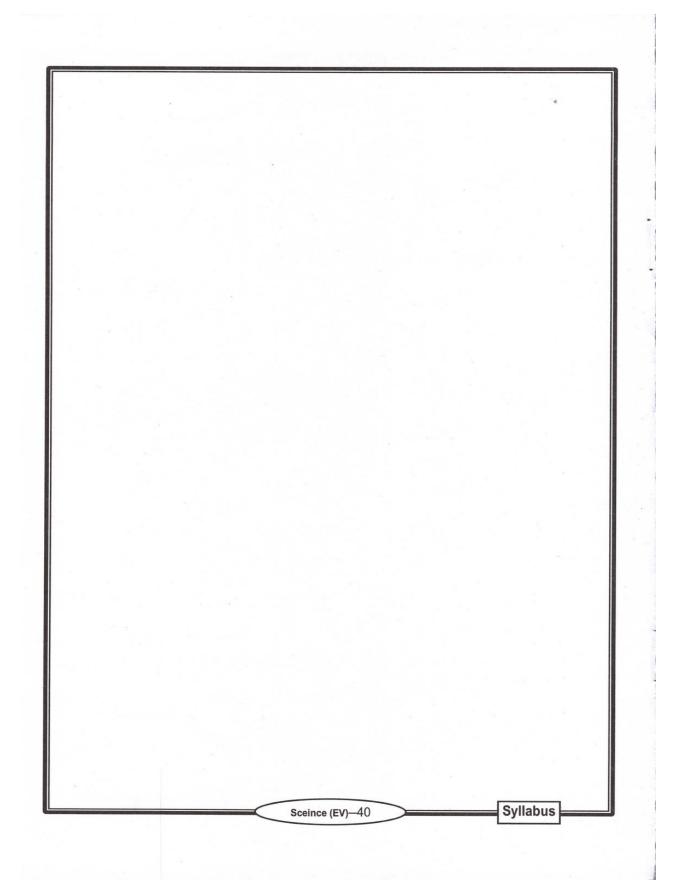
Distribution of Marks Pre-test Exam	
Class Test-5 - 30 Converted into	20
Class 2 co. C	05
Class attendance	03
Pre-test Exam (Theoretical): 1st Paper-50	75
2nd Paper-25	<u>75</u>
	Total = 100
Marks Distribution of Written Exam	
1st Paper: Out of 10 questions 5 are to be answered.	$10 \times 5 = 50$
2nd Paper: Out of 7 questions 5 are to be answered	$5 \times 5 = 25$
2nd raper. Out of 7 questions 3 are to be answered	Total = 75
Test Examination	Total 75
Total Working Day- 32 Days, Allotted period- 12 1. Draw building plan, section & elevation for single & doubt	le l
	03
room building	03
3. Revision of half yearly annual and pre test exam syllabus	03
2nd Paper:	00
1. Conventional signs (symbols)	02
2. Revision of 1st, Half yearly, annual, pretest exam	. 04
Distribution of Marks - Test Exam	
1st Paper	
Work Book (Submit previous work book)	40
Written Test (Theoretical) Answer on drawing sheet	60
	Total = 100
Marks Distribution of Written test	
1st Paper:	
Group- A: Plane Geometry Answer any 2 out of 4	10x2 = 20
Group-B: Solid Geometry Answer any 2 out of 4	$10 \times 2 = 20$
	$10 \times 2 = 20$
Group-C: Technical drawing Answer any 2 out of 4	Total = 60
2nd Paper:	40
1. Written (Theoretical) test	40
2. Work Book	30
3. Practical	30
	Tbtal = 100
Sceince (EV)-37	Syllabus
Scenice (EV)—37	-,

Marks Distribution of Written Test	
2nd Paper	
Group-A: Chain surveying Answer any 2 out of 4	$8 \times 2 = 16$
Group-B: Compass survey Answer any two 2 out of 4	$8 \times 2 = 16$
Group-C: Plane table survey Answer any 1 out of 2	$8 \times 1 = 08$
	Total = 40
Marks Distribution of Practical Test	
1. Practical Job	25
2. Viva voice	05
	Total = 30

List of Books

Name of Books	Writers Name
1st Paper	
1. Engineering Drawing and Workshop	1. আ, ম, শফিউদ্দিন আহমেদ
Practice (NCTB)	ও
	মো: ইব্রাহিম হোসেন
2. Prathomik Engineering Drawing	2. শ্রী হেমন্ত কুমার ভট্টাচার্য
(Reference Book).	
3. A Text Book of Engineering	3. R. K. Dhawan
drawing	
2nd Paper	
1. Engineering Drawing and Workshop	1. আ, ম, শফিউদ্দিন আহমেদ
Practice (NCTB)	હ
	মো: ইব্রাহিম হোসেন
2. A Text Book of Surveying	2. M. Shahjahan + M. A.
(Reference Book).	Aziz
3. Surveying Vol-1 (Reference Book).	3. Dr. B. C Punmia







Shaheed Bir Uttam Lt Anwar Girls' College

Dhaka Cantonment, Dhaka Tel: 9833306, 8871234 Ext.: 7706

E-mail: sagc1957@gmail.com, Website: sagc.edu.bd