শহিদ বীর-উত্তম লে. আনোয়ার গার্লস স্কুল ও কলেজ

ঢাকা সেনানিবাস, ঢাকা।

Syllabus

2026-2027

Class XI-XII

Science Group

SYLLABUS

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বিষয়: বাংলা (আবশ্যিক) প্রথম পত্র ও দ্বিতীয় পত্র

অর্ধ-বার্ষিক পরীক্ষা

মোট কার্যদিবস-৭৫ দিন

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ক) বাঙ্গালার নব্য লেখকদিগের প্রতি নিবেদন	০৪ পিরিয়ড
খ) অপরিচিতা	০৫ পিরিয়ড
গ) বিভীষণের প্রতি মেঘনাদ	০৫ পিরিয়ড
ঘ) উপন্যাস শুরু থেকে ২০ পৃষ্ঠা পর্যন্ত	০৮ পিরিয়ড
	২২পিরিয়ড

ক্লাস টেস্ট-২: কার্যদিবস-২৩, নির্ধারিত পিরিয়ড-২০

ক) উপন্যাস ''লালসালু''(২১ পৃষ্ঠা থেকে ৩৯ পৃষ্ঠা পর্যন্ত)	১২ পিরিয়ড
খ) নাটক : ১ম অঙ্ক	০৬ পিরিয়ড
গ) জীবন ও বৃক্ষ	০১ পিরিয়ড
ঘ) ঋতুবর্ণন	০১ পিরিয়ড

অর্ধ-বার্ষিক পরীক্ষা: কার্যদিবস-২৭ দিন, নির্ধারিত পিরিয়ড-২৪

ক) সাহিত্যে খেলা	০২ পিরিয়ড
খ) বিলাসী	০২ পিরিয়ড
গ) প্রতিদান	০২ পিরিয়ড
ঘ) সুচেতনা	০৩ পিরিয়ড
ঙ) তাহারেই পড়ে মনে	০৩ পিরিয়ড
চ) অর্ধাঙ্গিনী	০২ পিরিয়ড
ছ) সোনার তরী	০২ পিরিয়ড
জ) উপন্যাস শুরু থেকে ৩৯ পৃষ্ঠা পর্যন্ত	০৪ পিরিয়ড
ঝ) নাটক ২য় অঙ্ক	০৪ পিরিয়ড
	২৪পিরিয়ড

**** অর্ধ-বার্ষিক পরীক্ষার সিলেবাসে ক্লাস টেস্ট-১ ও ক্লাস টেস্ট-২ এর সিলেবাস অন্তর্ভুক্ত হবে।**

মানবণ্টন:

ক) ক্লাস টেস্ট-১	-৩০	৬০ রূপান্তরিত হবে	=২০
খ) ক্লাস টেস্ট-২	-৩০		
গ) ক্লাসে উপস্থিতি			০৫
ঘ) অর্ধ-বার্ষিক পরীক্ষা- ১০০ রূপান্তরিত হবে			৭৫
			মোট = ১০০

অর্ধ-বার্ষিক পরীক্ষার মানবণ্টন:

গদ্য থেকে ২টি, কবিতা থেকে ২টি, উপন্যাস থেকে ১টি, নাটক থেকে ১টি সহ মোট ৭টি প্রশ্নের উত্তর দিতে হবে	১০×৭=৭০
বহুনির্বাচনি	= ৩০
	সর্বমোট = ১০০

বার্ষিক পরীক্ষা

মোট কার্যদিবস-৭১ দিন

নির্ধারিত পিরিয়ড-৫৫

ক্লাস টেস্ট-৩: কার্যদিবস-২০ দিন, নির্ধারিত পিরিয়ড-১৭

ক) যৌবনের গান	০৩ পিরিয়ড
খ) মাসি-পিসি	০৩ পিরিয়ড
গ) পদ্মা	০৩ পিরিয়ড
ঘ) আঠারো বছর বয়স	০২ পিরিয়ড
ঙ) উপন্যাস ৪০-৫৭ পৃষ্ঠা পর্যন্ত	০৬ পিরিয়ড
	১৭ পিরিয়ড

ক্লাস টেস্ট--৪: কার্যদিবস-২৯ দিন, নির্ধারিত পিরিয়ড- ১৩

ক) বিদ্রোহী	০৪ পিরিয়ড
খ) ফেব্রুয়ারি ১৯৬৯	০২ পিরিয়ড
গ) আমি কিংবদন্তির কথা বলছি	০৩ পিরিয়ড
ঘ) রেইনকোট	০৪ পিরিয়ড
	১৩ পিরিয়ড

বার্ষিক পরীক্ষা: কার্যদিবস-২৮ দিন, নির্ধারিত পিরিয়ড-২৫

ক) গন্তব্য কাবুল	০৩ পিরিয়ড
খ) নেকলেস	০২ পিরিয়ড
গ) প্রত্যাবর্তনের লজ্জা	০২ পিরিয়ড
ঘ) কপিলদাস মুর্মুর শেষ কাজ	০৩ পিরিয়ড
ঙ) উপন্যাস সমাপ্ত	০৮ পিরিয়ড
চ) নাটক সমাপ্ত	০৭ পিরিয়ড
	২৫ পিরিয়ড

বার্ষিক পরীক্ষা: অর্ধ-বার্ষিক পরীক্ষার সিলেবাস, (ক্লাস টেস্ট-১, ক্লাস টেস্ট-২ সহ) ক্লাস টেস্ট-৩ ও ক্লাস টেস্ট-৪ সহ বার্ষিক পরীক্ষার সিলেবাসে অন্তর্ভুক্ত হবে।

মানবণ্টন: অর্ধ-বার্ষিক পরীক্ষার অনুরূপ

প্রাক-নির্বাচনি পরীক্ষা

মোট কার্যদিবস-৫০ দিন

নির্ধারিত পিরিয়ড-৩৯

ক্লাস টেস্ট-৫: কার্যদিবস-১৯ দিন, নির্ধারিত পিরিয়ড-১২

ক) বাংলা উচ্চারণের নিয়ম	০৩ পিরিয়ড
খ) বাংলা বানানের নিয়ম	০৩ পিরিয়ড
গ) বাংলা ভাষার ব্যাকরণিক শব্দশ্রেণি (বিশেষ্য, বিশেষণ, সর্বনাম)	০৩ পিরিয়ড
ঘ) দিনলিপি	০১ পিরিয়ড
ঙ) ভাষণ	০২ পিরিয়ড
	১২ পিরিয়ড

প্রাক-নির্বাচনি পরীক্ষা: কার্যদিবস-৩১ দিন, নির্ধারিত পিরিয়ড-২৭

ক) ব্যাকরণিক শব্দশ্রেণি	০৫ পিরিয়ড
খ) বাংলা শব্দগঠন (উপসর্গ, প্রত্যয়)	০৫ পিরিয়ড
গ) বাক্যতত্ত্ব	০৫ পিরিয়ড
ঘ) বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধপ্রয়োগ	০২ পিরিয়ড
ঙ) পারিভাষিক শব্দ, বঙ্গানুবাদ	০২ পিরিয়ড
চ) বৈদ্যুতিন চিঠি, পত্রলিখন	০৩ পিরিয়ড
ছ) সারাংশ, ভাবসম্প্রসারণ	০২ পিরিয়ড
জ) সংলাপ, খুদে গল্প	০২ পিরিয়ড
ঝ) প্রবন্ধ রচনা	০১ পিরিয়ড
	২৭ পিরিয়ড

প্রাক-নির্বাচনি পরীক্ষার সিলেবাসে ক্লাস টেস্ট-৫ এর সিলেবাস অন্তর্ভুক্ত হবে।

মানবণ্টন:

ক) ক্লাস টেস্ট-৫ ৩০ রূপান্তরিত হবে	= ২০
খ) ক্লাসে উপস্থিতি	= ০৫
গ) প্রাক-নির্বাচনি পরীক্ষা-১০০ রূপান্তরিত হবে	= ৭৫
	মোট = ১০০

প্রাক-নির্বাচনি পরীক্ষার মানবণ্টন:

ব্যাকরণ- ৩০

১। বাংলা উচ্চারণের নিয়ম	০৫
২। বাংলা বানানের নিয়ম	০৫
৩। ব্যাকরণিক শব্দশ্রেণি	০৫
৪। শব্দ গঠন (উপসর্গ, প্রত্যয়)	০৫
৫। বাক্যতত্ত্ব	০৫
৬। বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধপ্রয়োগ	০৫
	মোট- ৩০

নির্মিতি- ৭০

৭। পারিভাষিক শব্দ অথবা বঙ্গানুবাদ	১০
৮। দিনলিপি অথবা ভাষণ	১০
৯। বৈদ্যুতিন চিঠি অথবা পত্রলিখন	১০
১০। সারাংশ অথবা ভাব-সম্প্রসারণ	১০
১১। সংলাপ অথবা খুদে গল্প	১০
১২। প্রবন্ধ রচনা	২০
	মোট- ৭০

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
	২৫ পিরিয়ড

মানবণ্টন: বোর্ড পরীক্ষার অনুরূপ।

নির্বাচনি পরীক্ষার মানবণ্টন:

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

পাঠ্যপুস্তকের তালিকা: 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 তালিকা: 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 Test-2 (Working Days 20) Allocated Periods 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 Periods 16

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, Story writing	03

***** Revision of Class test 1 & 2 Syllabus**

Marks Distribution of Half-Yearly Exam

1st Class Test-30 2nd class test-30	Converted into	20 Marks
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, Informal Letters/E-mails-5, Graph/chart- 10, Paragraph-10)	Total = 100 Marks

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

3rd Class Test 30 4th Class test 30	Converted into	20 Marks
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)	

PRE-TEST EXAM

Total Working Days: 64

Allocated Periods: 40

5th class test (Working Days 25) Allocated Periods 20

English for Today

Unit 01-06 (Revision)	09
Grammar : Pronoun References, Modifiers, Narration / Speech	09
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 Composition, Report Writing,, Formal Letters/E-mails	04

*** **Revision of 5th Class Test Syllabus**

Marks Distribution of Pre-Test Exam

5th Class Test	(30) converted into	20 Marks
Class Attendance		05 Marks
Written Exam (100 Marks) converted into		75 Marks
(English 2nd - 90 & English 1st - 10)		Total= 100

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

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 =30
Class Test-2 =30 } 60 Converted into =20
Attendance = 05
Half Yearly Exam (Theory) { Creative Question = 50, M.C.Q = 25 } =75

Total = 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 01 25

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 Technonology :
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
Class Test-4 =30 } 60 Converted into =20
Attendance = 05
Theory { Creative Question = 50, M.C.Q = 25 } =75

Total = 100

Marks Distribution of Practical Exam

i) Lab Test (01) 15
ii) Note book 05
iii) VIVA 05

Total = 25

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 25

Total = 75

Pre-Test Examination

Total working days- 50 days

Allocated periods -27

Class Test-5 (Working Days-19) Periods-09

1. 5th Chapter: (Full) Programming Language Class=09

Pre-Test Examination (Working Days-31) Periods-18

1. 1st Chapter: (Full) ICT : World and Bangladesh Perspective Class =05

2. 4th Chapter: (Full) Web Design & HTML Class=05

3. 5th Chapter: (Full) Programming Language Class =08

Mark Distribution of Pre-Test Examination

Class Test-5	30 Converted into	20
Attendance		5
(Theory) Pre-Test Exam	Creative Question = 50 M.C.Q = 25	75
		Total =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 25

Total = 75

Test Examination

Total working Days-32 days

Total periods-18

Test Exam.(Total Working Days-32) periods-20

6th Chapter : (Full) Database Management System Class=10

Review of Chapter 1 to Chapter 5 Class=10

**Test exam will be conducted on the complete syllabus

Marks Distribution of Test Examination

Practical Exam		=25
Theory	Creative Question = 50 M.C.Q = 25	=75
		Total =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 25

Total =75

**** Practical Exam mark distribution:**

Experiment :	Theory-03	
	Use of instruments and data collection-05	
	Calculation and analysis-04	12
Result with explanation		5
VIVA		5
Notebook		3
		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:

Sl	Book	Writer
1	Information and Communication Technology (NCTB)	Md. Tahmid-ul-Islam Rafi & Other
2	Information and Communication Technology	A. Z. M. Asaduzzaman

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

Subject: Physics 1st & 2nd Paper

First Term Exam

Total working days-75 days

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-21

First paper :

Chapter 3- Dynamics	11 Periods

Second Paper:

Chapter 1- Thermodynamics	10 Periods

Half Yearly Examination (Working days-22) Alloted Periods-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.	02 Periods

Marks Distribution of Half Yearly Examination

Class Test-1	=30	60 Converted into	=20
Class Test-2	=30		
Class Attendance			05
1st Term (Theoretical)	Creative- 50		
	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
	Total= 75

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

Second Paper :

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 Periods-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 3 and class test 4.	04 Periods

Marks Distribution of Annual Examination

Class Test-3	30	60 Converted into	=20
Class Test-4	30		
Practical	20		
Class Attendance			05
1st Term (Theoretical)	Creative- 50		
	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
	Total = 75

Marks Distribution of Practical Examination:

01 Experiment- Theory- 03	10
Usage of apparatus and data collection- 04	
Calculation and analysis- 03	
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	07 Periods
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, 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
	Total= 75

Test Examination
Total working 32 days
Allotted Periods-24

Test Examination(Working days-30) Alloted Periods-24

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 Firsthand Second Paper.

First paper .

1.	Theoretical- Creative- 50, MCQ- 25	75
2.	Practical	25
		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
	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 paper Eleven-Twelve Classes	1. Dr. Amir Hussain Khan and Others Eleven-Twelve Classes. (English Version) 2. Dr. Shahjahan Tapan & Others (English Version) 3. Prof. Md. Golam Hossain Pramanik & Others 4. Prof. A. T. M Shamsur Rahman (English Version)
B. Physics-Second paper Eleven- Twelve Classes	1. Dr. Amir Hussain Khan and others Eleven-Twelve Classes. (English Version) 2. Dr. Shahjahan Tapan & Others (English Version) 3. Prof. Md. Golam Hossain Pramanik & Others (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

Total working days-75days

Allotted Periods-55 days

Class Test-1 (Total working days 25) Allotted Periods -20

First Paper : 1st Chapter - (Full) 03 periods

2nd Chapter - (From beginning to Electromagnetic radiation Hydrogen spectra) 09 Periods

Second Paper :

3rd Chapter- (From beginning to Partial Pressure) (Before redox reaction) 08 Periods

Class Test-2 (Total working days 23) Allotted Periods -15

First Paper :

2nd Chapter - (Form Use of UV & IR rays to end) 05 periods

3rd 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 Periods -20

First Paper :

1st chapter: Use of Laboratory with safety measures 03 periods

2nd 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

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 5×10=50

b. MCQ- 25 marks

Each of the question has equal value and carries 01 marks 1×25=25

Total=75

Annual Examination
Total working days-71 days
Allotted Periods-48

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

First Paper :

3rd Chapter - (Ionic Bond to Last) 12-Periods
4th Chapter - (From beginning to Relation between Kp & Kc) 12-Periods

Class Test-4 (Total working days 23) Allotted Periods -18

First Paper :

4th Chapter - (From Ionic product of water to end) 10 Periods
5th Chapter - Vocational Chemistry 08 Periods

Annual Exam (Total working days 28) Allotted Periods -08

First Paper : 1st chapter: Safe Use of Laboratory 01 period
2nd Chapter: Qualitative Chemistry 02 periods
3rd Chapter: Periodic Properties and Chemical bonding of elements 01 period
2nd Paper : 1st Chapter : Environmental Chemistry 04 periods
Revision of class test-1, 2, 3, 4..

Marks Distribution of Annual Examination

First paper

Class Test- 3 30
Class Test-4 30 } 60 Converted into =20
Practical (1st Paper) 25 (Will use with Test Exam 1st Paper)
Class Attendance 05
Annual Examination (Therortical) { Creative- 50, MCQ- 25 } 75

Total = 100

Marks Distribution for Practical exam:

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

Total=25

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 1×25=25

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
1st Chapter (From Beginning to real gas) 07 periods

Prc-test (Total working days 31) Allotted Periods -26

Second Paper :

2nd Chapter - Organic Chemistry (Rest of the part) 10 periods
1st Chapter (Rest of the Chapter) 10 period
4th Chapter - Electro chemistry (From Beginning to Galvannicell) 06 periods
Revision of Class Test-5

Marks Distribution of Pre-test Examination First paper

Class Test-5 30 Converted into 20
Class Attendance 5
Annual Examination (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 5×10=50
b. MCQ- 35 marks
Each of the question has equal value and carries 01 marks 1×25=25

Total=75

Test Examination
Total working days-32 days
Allotted Periods-23 days

Test, exam. (Total working days 30) Allotted Periods -23

Second paper :

4th Chapter - Electrochemistry (Rest of the part) 13 periods
Second paper : 5th Chapter - Economic chemistry 10 periods
The test examination will cover all the chapters both 1st & 2nd Paper.

Marks Distribution of test Examination

Practical (2nd Paper)	25
Annual exam (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 5×10=50
b. MCQ- 25 marks
Each of the question has equal value and carries 01 marks 1×25=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
	6. Sanjit Kumar Guha

* 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 09 periods
Second paper :
1st Chapter - Animal Diversity and Classification 07 periods

Class Test-2 (Working Days-23) periods- 19

First Paper : 2nd Chapter - Cell Division 05 periods
Second paper :
2nd Chapter - Introduction to Animal (Hydra, Grasshopper) 14 periods

Half Yearly exam (Working Days-27) periods- 16

First Paper : 3rd Chapter-Cell Chemistry 08 periods
Second Paper :
2nd Chapter - Introduction to Animal (Rohu Fish)
3rd 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
25 questions are to give.
Each of the questions has equal value and carries 01 1×25=25
Total Theoretical marks: 75

Annual Examination
Total Working Days: 71
Periods: 51

Class test-3 (Working Days-20) periods- 15

First Paper : 4th Chapter - Microorganisms — 06 periods

Second Paper : 4thChapter - Human physiology: Blood and Blood circulation — 09 periods

Class Test-4 (Working Days-23) periods- 16

First Paper :5th Chapter - Algae and Fungi 09 periods

Second Paper :5thChapter -Human physiology: Breathing and Respiration — 07 periods

Annual Exam (Working Days-28) periods- 20

First Paper :6th Chapter –Bryophyta and Pteridophyta — 12 periods

Second Paper : 6thChapter -Human physiology: Waste and excretion — 08 periods

And Revision of Previous Chapter

Marks distribution for Annual Examination

Class Test-3	30	60 Converted into	=20
Class Test-4	30		
Class attendance			=05
Annual Exam (Theoretical): Creative - 50			=75
MCQ- 25			
		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

Total = 75

Practical exam syllabus of first paper

1. Observation of Plant Diversity.
2. Different stage of Mitotic cell division.
3. Observation of Bacteria.
4. Identification of Malvaceae and Poaceae family.
5. Observation of the transverse section of roots and shoots of Monocotyledon plants.
6. To examine the importance of CO_2 in photosynthesis.
7. Examination of Anaerobic respiration .

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:
Locomotion and Body movement. 07 Periods

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

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

Second Paper:

8th Chapter -Human physiology: Coordination and Control — 05 periods

11th Chapter - Genetics and Evolution — 05 periods

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

Marks distribution forPre-TestExamination

Class Test-5	30 converted into	= 20
Class attendance		= 05
Pre test exam (Theoretical) : Creative-50		=75
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

25 questions are to give.

Each of the questions has equal value and carries 01 marks 1× 25= 25

Total = 75

Test Examination
Total Working Days: 32
Periods: 24

Test Exam (Working Days-32) periods- 24

Frist Paper : 10th Chapter - Plant Reproduction	03 periods
11th Chapter - Biotechnology	05 periods
12th Chapter – Environment, Distribution and Conservation of Living Organisms	04 periods
Second Paper : 9th Chapter - Continuation of human life	03 periods
10th Chapter -Immunity of Human Body	05periods
12th Chapter -Animal Behavior	04 periods

*** **First paper and second paper questions will be made separately on entire syllabus.**

Marks distribution for Test Examination

Practical	25
Annual exam (Theoretical) : Creative -50	75
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
25 questions are to give.
Each of the questions has equal value and carries 01 marks **01× 25= 25**

Total = 75

**Marks distribution of practical exam:

Dissection And Identification	**18**
Viva Voice	04
Note Book	03
	Total = 25

Practical syllabus of Second paper

1. Study of Museum Specimen (Non-Chordates-5, Chordates-5)
2. Study of Permanent Slide
3. 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 Book	Name of theAuthor
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
Total working days-75 days
Allotted Periods-64 days

Class Test-1 (Working days-25) Allotted Periods-22

1st paper :

1st Chapter - Matrix and Determinants [Exercise: 1.1-1.2] 10 Periods
3rd Chapter - Straight lines [Exercise- 3.1 - 3.5] 12 Periods

Class Test-2 (Working days-23) Allotted Periods-20

1st paper :

3rd Chapter- Straight lines [Exercise:-3.6-3.7] 08 Periods
7th Chapter - Trigonometric Ratios of Associated Angles [Exercise- 7.1 - 7.7] 12 Periods
Revision of class test-1

Half Yearly Examination (Working days-27) Allotted Periods-22

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

1st Paper : 4th Chapter - Circle [Exercise- 4.1 -4.2] 11 Periods
2nd Paper : 7th Chapter - Inverse Trigonometric Function & Trigonometric Equations [Ex-7.1 - 7.2] 11 Periods
Revision of class test-1.2

Marks Distribution of 1st Term Examination

Class Test- 1	30	60 Converted into	=20
Class Test-2	30		
Class Attendance			05
1st Term exam (Theoretical)	Creative- 50		
	MCQ- 25		75
			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 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

Annual Examination
Total working days-67 days
Allotted Periods-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-25) Allotted Periods-20

1st paper : 9th Chapter - Differentiation [Exercise:-9.1 - 9.9] 13 Periods
5th Chapter - Permutations and Combinations [Exercise- 5.1 - 5.2] 07 Periods
Revision of class test-3

Annual Examination (Working days-25) Allotted Periods-20

1st paper: 10th Chapter - Integration [Exercise- 10.1 - 10.7] 11 Periods
2nd Paper : 5th Chapter - Binomial Expression [Exercise-5.1 - 5.2] 09 Periods
Revision of class test 1, 2 and 3, 4

Marks Distribution of Annual Examination

Class Test-3	30	60 Converted into	=20
Class Test-4	30		
Practical	20		
Class Attendance			05
Annual Examination (Therortical)	Creative- 50		
	MCQ- 25		75
			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 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

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

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

2nd Paper :

1st Chapter - Real numbers and Inequalities [Exercise- 1.1-1.2] 10 periods

10th Chapter :

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

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

Full syllabus of Class Test-5

2nd paper:

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

Marks Distribution of Pre-test

Class Test-5 (30 converted into 20)	= 20
Class Attendance	= 05
Pre-test (Theoretical)- { Creative- 50 / MCQ- 25	75
	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

Test Examination
Total working days-32 days
Allotted Periods-20 days

Test Exam. (Working days-32) Allotted Periods-20

First Paper

2nd Chapter - Vectors [Exercise: - 2]	04 Periods
6th Chapter - Trigonometric Ratios [Exercise: 6.1-6.3]	03 Periods

2nd Paper :

4th Chapter - Polynomial and polynomial Equations [Exercise: 4.1-4.2]	06 Periods
9th Chapter- Motion of particles in a Plane [Exercise-9.1 - 9.4]	07 Periods

Full syllabus of Previous Examination

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. Practical-	25
2. Theoretical- { Creative- 50 / MCQ- 25	75
	Total =100

Marks Distribution of Theoretical Examination:

(a) Creative Question - 40 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 marks 25

Total= 75

Marks distribution of practical examination

1 Experiment { Theory -03 / Use of instruments and Data Collection -05 / Calculation and Analysis -04	12
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
Higher Mathematics 1st Paper.	1. Md. Rafiqul Islam, Kazi Kamruzzaman & Others. Ruponti Publication.
	2.A.T.S.M Masudul Hakim, Md. Abdul Mannan Khan & Othres. Sectec Publication
	3. Md. Nazrul Islam and'Md. Ketab Uddin
	4. Ashim kumar Saha & Others. Akkhar Patra Publication.
	5. M. A Jabbar and S.U Ahmed

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

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
2. 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, 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 a field book. 02
4. Measuring the field with chain & calculate the area. Revision of class test-1 and Class Test-2 sallabus. 03

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 Cumulative, (-) 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		
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 = 50
2nd Paper : Out of 7 questions 5 are to be answered	5 × 5 = 25
	Total = 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 and 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

2nd Paper:

1. Magnetic needle, Dip-of-the needle, Magnetic Meridian.	03
2. Calculate the Area with Bearing and Traverses	03

Annual Examination (Working Days- 28) Allotted Period-14

1st Paper:

1. Projection of Engineering Drawing Instruments.	04
2. First angle projection, Oblique projection, IsometricLview.	04
3. Revision of class test-1, 2, 3, 4.	04

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		
Class Attendance			05
Annual exam (Theoretical)-	1st Paper- 50 / 2nd Paper-25		75
			Total = 100

Distribution of Practical Marks

1. Practical (01)	15
2. Work book 1st Paper	5
3. Work book 2nd Paper	5
	Total = 25

Marks Distribution of Written Exam (Theortical)

1st Paper :	
Out of 10 questions 5 are to be answered	10×5=50
2nd Paper :	
Out of 7 questions 5 are to be answered	5×5 = 25
	Total = 75

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 attendance	05
Pre-test Exam (Theoretical) : 1st Paper-50, 2nd Paper-25	75
	Total = 100

Marks Distribution of Written Exam

1st Paper : Out of 10 questions 5 are to be answered.	10 × 5 = 50
2nd Paper : Out of 7 questions 5 are to be answered	5 × 5 = 25
	Total = 75

Test Examination

Total Working Day- 32 Days, Allotted period- 12

1. Draw building plan, section & elevation for single & double room building	03
3. Revision of half yearly annual and pre test exam syllabus	03

2nd Paper:

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 ×2 = 20
Group-C: Technical drawing Answer any 2 out of 4	10×2 = 20
	Total = 60

2nd Paper:

1. Written (Theoretical) test	40
2. Work Book	30
3. Practical	30
	Tbtal = 100

Marks Distribution of Written Test

2nd Paper

Group-A: Chain surveying Answer any 2 out of 4	8×2=16
Group-B: Compass survey Answer any two 2 out of 4	8×2=16
Group-C: Plane table survey Answer any 1 out of 2	8×1 = 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 Practice (NCTB)	1. আ, ম, শফিউদ্দিন আহমেদ ও মো: ইব্রাহিম হোসেন
2. Prathomik Engineering Drawing (Reference Book).	2. শ্রী হেমন্ত কুমার ভট্টাচার্য
3. A Text Book of Engineering drawing	3. R. K. Dhawan
2nd Paper	
1. Engineering Drawing and Workshop Practice (NCTB)	1. আ, ম, শফিউদ্দিন আহমেদ ও মো: ইব্রাহিম হোসেন
2. A Text Book of Surveying (Reference Book).	2. M. Shahjahan + M. A. Aziz
3. Surveying Vol-1 (Reference Book).	3. Dr. B. C Punmia



শহিদ বীর-উত্তম লে. আনোয়ার গার্লস স্কুল ও কলেজ

ঢাকা সেনানিবাস, ঢাকা-১২০৬।

দূরালাপনি : ৯৮৩৩৩০৬, ৮৮৭১২৩৪, বর্ধিত : ৭৭০৬।

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