SYLLABUS

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বিষয়: বাংলা (আবশ্যিক) প্রথম পত্র ও দ্বিতীয় পত্র

অর্ধ-বার্ষিক পরীক্ষা
মোট কার্য দিবস- ৭৫ দিন
নির্ধারিত পিরিয়ড- ৬৬

ক্লাস টেস্ট-১: কার্য দিবস-২৫ দিন, নির্ধারিত পিরিয়ড-২১

ক) বিড়াল	০৫ পিরিয়ড
খ) অপরিচিতা	০৫ পিরিয়ড
গ) চাষার দুক্ষু	০৩ পিরিয়ড
ঘ) ঐকতান	০২ পিরিয়ড
ঙ) বিভীষণের প্রতি মেঘনাদ	০৪ পিরিয়ড
চ) সাম্যবাদী	০২ পিরিয়ড

কুইজ-১: কার্য দিন-২৩, নির্ধারিত পিরিয়ড-২০

ক) উপন্যাস ''লালসালু''(উপন্যাসের শুরু থেকে ''মাজারটি তার শক্তির মূল'' ৮২ পৃষ্ঠা পর্যন্ত)	১৩ পিরিয়ড
খ) নাটক : ১ম অঙ্ক	০৭ পিরিয়ড

অর্ধ-বার্ষিক পরীক্ষা: কার্য দিবস-২৭ দিন, নির্ধারিত পিরিয়ড-২৪

ক) আহ্বান	০৪ পিরিয়ড
খ) আমার পথ	০৪ পিরিয়ড
গ) জীবন ও বৃক্ষ	০৪ পিরিয়ড
ঘ) এই পৃথিবীতে এক স্থান আছে	০৩ পিরিয়ড
ঙ) তাহারেই পড়ে মনে	০৩ পিরিয়ড
চ) সেই অস্ত্র	০৩ পিরিয়ড
ছ) রিভিশন ক্লাস	০৪ পিরিয়ড
	২৪পিরিয়ড

** অর্ধ-বার্ষিক পরীক্ষা সিলেবাসে ক্লাস টেস্ট-১ ও কুইজ-১ এর সিলেবাস অন্তর্ভুক্ত হবে।

মানবণ্টন:

ক) ক্লাস টেস্ট-১	২০	৪০÷২=২০
খ) কুইজ-১	২০	
গ) ক্লাসে উপস্থিতি		০৫
ঘ) অর্ধ-বার্ষিক পরীক্ষা- ১০০ রূপান্তরিত হবে		৭৫
		মোট = ১০০

অর্ধ-বার্ষিক পরীক্ষার মানবণ্টন:

গদ্য: সৃজনশীল প্রশ্নের ৪টি উদ্দীপকের থেকে ন্যূনতম ২টির উত্তর দিতে হবে।

কবিতা: সৃজনশীল প্রশ্নের ৩টি উদ্দীপকের থেকে ন্যূনতম ২টির উত্তর দিতে হবে।

সহপাঠ: (উপন্যাস থেকে) ২টি এবং (নাটক থেকে) ২টি প্রশ্ন থাকবে, উপন্যাস থেকে ন্যূনতম ১টি ও নাটক থেকে ন্যূনতম ১টি প্রশ্নসহ মোট ৭টি প্রশ্নের উত্তর দিতে হবে। ১০×৭=৭০

বহুনির্বাচনি = ৩০

মোট = ১০০

বার্ষিক পরীক্ষা
মোট কার্য দিবস-৭১ দিন
নির্ধারিত পিরিয়ড-৫৫

ক্লাস টেস্ট-২: কার্য দিবস-২০ দিন, নির্ধারিত পিরিয়ড-১৬

ক) মাসি-পিসি	০৩ পিরিয়ড
খ) বায়ান্নর দিনগুলো	০৩ পিরিয়ড
গ) আঠারো বছর বয়স	০২ পিরিয়ড
ঘ) ফেব্রুয়ারি ১৯৬৯	০২ পিরিয়ড
ঙ) উপন্যাস ''লালসালু''(৮২ পৃষ্ঠা থেকে ''মজিদ হঠাৎ শোনে সোনালি মিহি সুন্দর হাসির ঝংকার'' ১২২ পৃষ্ঠা পর্যন্ত)	০৬ পিরিয়ড
	১৬ পিরিয়ড

কুইজ-২: কার্য দিবস-২৯ দিন, নির্ধারিত পিরিয়ড- ১৩

ক) জাদুঘরে কেন যাব	০৩ পিরিয়ড
খ) আমি কিংবদন্তির কথা বলছি	০৩ পিরিয়ড
গ) নূরলদীনের কথা মনে পড়ে যায়	০২ পিরিয়ড
ঘ) নাটক ২য় অঙ্ক	০৮ পিরিয়ড
	১৬ পিরিয়ড

বার্ষিক পরীক্ষা: কার্য দিবস-২৮ দিন, নির্ধারিত পিরিয়ড-২২

ক) রেইনকোট	০৩ পিরিয়ড
খ) মহাজাগতিক কিউরেটর	০২ পিরিয়ড
গ) নেকলেস	০২ পিরিয়ড
ঘ) লোক-লোকান্তর	০১ পিরিয়ড
ঙ) রক্তে আমার অনাদি অস্থি	০১ পিরিয়ড
চ) উপন্যাস সম্পূর্ণ	০৭ পিরিয়ড
ছ) নাটক সম্পূর্ণ	০৬ পিরিয়ড
	২২ পিরিয়ড

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

মানবণ্টন: অর্ধ-বার্ষিক পরীক্ষার অনুরূপ

প্রাক্-নির্বাচনি পরীক্ষা
মোট কার্য দিবস-৫০ দিন
নির্ধারিত পিরিয়ড-৩৯

কুইজ-৩: কার্য দিবস-১৯ দিন, নির্ধারিত পিরিয়ড-১২

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

প্রাক্-নির্বাচনি পরীক্ষা: কার্য দিবস-৩১ দিন, নির্ধারিত পিরিয়ড-২৭

ক) বাংলা ভাষার 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	০১ পিরিয়ড
চ) বৈদ্যুতিন চিঠি, পত্রলিখন	০৪ পিরিয়ড
ছ) সারাংশ, ভাবসম্প্রসারণ	০২ পিরিয়ড
জ) সংলাপ, ক্ষুদে গল্প	০২ পিরিয়ড
ঝ) প্রবন্ধ রচনা	০১ পিরিয়ড
	২৭ পিরিয়ড

প্রাক্-নির্বাচনি পরীক্ষার সিলেবাসে কুইজ-৩ এর সিলেবাস অন্তর্ভুক্ত হবে।

মানবণ্টন:

ক) কুইজ-৩	২০
খ) ক্লাসে উপস্থিতি	০৫
গ) প্রাক্-নির্বাচনি পরীক্ষা-১০০ রূপান্তরিত হবে	৭৫
	মোট = ১০০

প্রাক্-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 কার্য দিবস-৩২ দিন

নির্ধারিত পিরিয়ড-২৫

ক) বাংলা শব্দ গঠন (সমাস)	০৭ পিরিয়ড
খ) পারিভাষিক শব্দ	০২ পিরিয়ড
গ) অভিজ্ঞতা বর্ণনা, প্রতিবেদন রচনা	০৪ পিরিয়ড
ঘ) খুদে বার্তা, আবেদনপত্র	০৪ 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 উপর 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। প্রমিত বাংলা ব্যাকরণ ও নির্মিতি	ড. হায়াৎ মামুদ ড. মোহাম্মদ আমিন
২। বাংলা ব্যাকরণ ও নির্মিতি (বিরচন)	ড. অনিরুদ্ধ কাহালি
৩। উচ্চতর বাংলা ব্যাকরণ ও রচনা শৈলী	ড. গিয়াস শামীম ড. নাজমুল হক
৪। বাংলা ভাষা শিক্ষণ ও নির্মিতি	ড. বিশ্বজিৎ ঘোষ

ENGLISH 1st PAPER & 2nd PAPER

1ST TERMINAL EXAM
Total Working Days: 75
Allocated Periods: 69

1st Class Test (Working Days 25) Allocated Periods 23

English for Today	
Unit 1 : People or Institutions Making History	11
Unit 2 : Greatest Scientific Achievements	
Unit 3 : Dreams	
Grammar : Synonym/Antonym	04
Fill in the Blanks with/ without Clues	04
Writing Part : Paragraph	04

Quiz-1 (Working Days 23) Allocated Periods 21

English for Today	
Unit 4 : Traffic Education	16
Unit 5 : Food Adulteration	
Unit 6 : Adolescence	
Flow Chart	
Grammar: Completing Sentences with phrases / clauses	04
Revision of Class Test-1	
Writing Part: E-mail	01

1st Terminal Exam (Working Days 27) Allocated Periods 25

English for Today	
Unit 7 : Human Relationships	16
Unit 8 : Human Rights	
Unit 9 : Diaspora	
Rearrangement	02
Grammar : Modifiers	04
Writing Part: Graph Writing, Theme Writing, Story Writing	03

*** Revision of 1st Class Test and Quiz-1 Syllabus

Marks 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 Letter/Email-5, Graph/chart-10, Paragraph-10)

Total = 100 Marks

Assessment of First Term Exam

1st Class Test 20 ⎱ 40 ÷ 2 =	20 Marks
Quiz-1 20 ⎰	
Class Attendance	5 Marks
Written Exam (100 Marks) converts into	75 Marks

Total= 100 Marks

ANNUAL EXAM
Total Working Days: 71
Allocated Periods: 53

2nd Class Test (Working Days 20) Allocated Periods 14

English for Today	
Unit 10 : Peace and Conflict	11
Unit 11 : Tours and Travels	
Summary Writing	
Grammar : Sentence Connectors	02
Writing Part : Completing Story	01

Quiz-2 (Working Days 23) Allocated Periods 17

English for Today	
Unit 12 : Environment and Nature	13
Unit 13 : Art and Music	
Grammar : Changing Sentences	03
Writing Part : Theme Writing	01
Revision of Class Test-2	

Annual Exam (Working Days 28) Allocated Periods 22

English for Today	
Unit 14 : Myths and Literature	14
Unit 15 : Path to Higher Education	
Grammar : Right Form of Verbs;	04
Synonyms & Antonyms; Articles, Prepositions	
Writing Part: Paragraph, Graph/Chart writing, Informal E-mail/Letter	04

*** Revision of 1st & 2ndClass Test and Quiz-1 &Quiz-2 Syllabus

Marks Distribution of Annual Exam

Comprehension based Question	25 Marks
Vocabulary	15 Marks
Rearrangement	10 Rearks
Grammar	10 Marks
Guided Writing	40 Marks

Total = 100 Marks

Assessment of Annual Exam

2nd Class Test 20 ⎱ 40 ÷ 2 =	20 Marks
Quiz-2 20 ⎰	
Class Attendance	5 Marks
Written Exam (100 Marks) **converts** into	75 Marks

Total= 100 Marks

PRE-TEST
Total Working Days: 50
Allocated Periods 45

Quiz-3 (Working Days 19) Allocated Periods 17

Grammar : Pronoun Reference, Narration, Use of some special words/phrases, Punctuation Marks	14
Writing Part : Report Writing	03

Marks Distribution

1. Grammar based **Q**uestions **:**	15 marks
2. Writing Part :	05 marks

Pre- Test (Working Days 31) Allocated Periods 28

Grammar : Revision of all Grammatical Items	20
Writing Part : Paragraph, Report, Formal E-mail/Letter, Composition	08

Marks Distribution of Pre- Test

Part A : Grammar	60 Marks
Part B : Composition	40 Marks

(Paragraph-10, Report-08, Application-08,Composition-14)

Total = 100 Marks

Assessment of Pre-Test

Quiz-3	20 Marks
Class Attendance	5 Marks
Pre-Test (100 Marks) converts into	75 Marks

Total= 100 Marks

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Test
Total Working Days: 32
Allocated Periods: 26

Test Exam (Working Days 32) Allocated Periods 26

Revision of English 2ⁿᵈ Paper (Full Syllabus)   26

Marks Distribution:

1. English 1ˢᵗ Paper (Board Standard)   100 Marks
2. English 2ⁿᵈ Paper (Board Standard)   100 Marks
                                        Total = 200 Marks

Books Recommended:

1ˢᵗ Paper
1. Text Book—English for Today by NCTB

2ⁿᵈ Paper
*   The books approved by NCTB are to be taught
*   Besides, the books following the syllabus & communicative pattern directed by NCTB may also be taught.

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Sub. : Information and Communication Technology
First year Syllabus: Chapter 1 to Chapter 4
Second Year Syllabus: Chapter 5 to Chapter 6
(Chapter 4 Repeat)

First Term (First Term Examination)
Total working days- 85
Allocated period -51
Class Test- 1 (Working Days- 25 Period-18
First Chapter : Full (Information & Communication Technology: World and Bangladesh Perspective)   Class-09
Third Chapter (First Portion):Number System   Class 09
Quiz - 1 (Working Days-23) Period-15
Thrid Chapter (Second Portion) : Up to Digital Devices   Class-15
Revision of class test-1
First Term Examination (Working Days-27) Period-13
First Chapter : Full   Class-12
Third Chapter : Full

Marks Distribution Of First Term
Class Test-1   =20⎤   40÷2 =20
Quiz-1   =20⎦
Attendance   = 05
First Term Exam ⎰(Theory)   Creative Question = 50⎤   =75
                  ⎱   M.C.Q = 25⎦   =25
                                        Total = 100

Marks Distribution of Theory Exam
a) Creative Question- 50
Students have to answer 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   25
                                        Total = 75

Annual Exam
Total working day-71 days
Allocated period -37
Class Test- 2 (Working Day-20) Period-07
1. 2nd Chapter :Full   Class=05
Quiz 2 (Working Day-23) Period-12
4th Chapter: Full   Class=12
Revision of class test-2
Annual Exam (Working Day-28) Period-14
First Term Exam Syllabus Repeat and
Class Test-2 & Quiz-2 Repeat   Class=14

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Marks Distribution Of Annual Exam

Class Test-2	=20 ⎤		
Quiz-2	=20 ⎬	60÷3	=20
Pratical	= 20 ⎦		
Attendance			= 05
Theory	{Creative Question = 50 }		=75
	{M.C.Q = 25 }		

Total = 100

Marks Distribution of Theory Exam

a) Creative Question- 50
Students have to answer 5 questions out of 8 questions.
Marks of every question is 10   50
b) Multiple Choice Question- 25
   a. Students have to answer all 25 questions.
   b. Marks of every question is 1   25

Total = 75

Pre-Test Examination
Total working day- 50 days
Allocated period -27

Quiz -3 (Working Day-19) Period-09
1. Fifth Chapter: Program Design and C Programming   CIass=09
2. 6th Chapter: Upto query

Pre-Test Examination (Working Day-31) Period-18
1. 5th Chapter: Program Design and C Programming   Class =10
2. 6th Chapter: Full   Class=08

Mark Distribution of Pre-Test Examination

Quiz -3   20
Attendance   5
Theory   {Creative Question = 50 ⎤   75
               {M.C.Q = 25 ⎦

Total =100

Marks Distribution of Theory Exam

a) Creative Question-50
Students have to answer 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 Day-32 days
Total period-18
(Total working day-18) period-8
Test Exam.(Total working day-32) period-18

Chapter : 5th Chapter Full   Class=10
Chapter : 1 to 4 (Repeat)   Class=9
Test exam is whole book

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Mark 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 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

** Practical Exam mark distribution:
Experiment : 1 Theory-03   12
         Use of instruments and data collection-05
         Calculation and analysis-04
Result   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 :

Book Reference:

1. Information and Communication technology- Forhad Monjur and others

Practical
1. Practical Information and Communication technology   - Md. Nimul Haque Niam

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

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Subject: Physics 1st & 2nd Paper
First Term Exam
Total working days-75 days
Allotted Period-58

Class Test-1 (Working days-25) Alloted Periods-21
First paper : 2nd Chapter - Vector   11 Periods
    3rd Chapter — Dynamics   10 Periods

Quiz -1 (Working days-23) Alloted Periods-16
First paper :
10th Chapter - Ideal Gas and Kinetic Theory of Gases   07 Periods
Second Paper:
6th Chapter-Geometrical Optics   09 Periods

1st Term Examination (Working days-27) Alloted Periods-21
First Paper : 4th Chapter -Newtonian Mechanics   08 Periods
    1st Chapter - Physical world and Measurement   04 Periods
Second Paper: 1st Chapter- Thermodynamics   07 Periods
and repeatation of Chapters of Glass test-1 and Quiz-1   02 Periods

Marks Distribution of 1st Term Examination
Class Test- 1	20 ⎤	40÷2	=20
Quiz-1	20 ⎦		
Class Attendance			05
1st Term (Theoritical) {Creative- 50			
MCQ- 25}			75

Total = 100

Marks Distribution of Theoritical Examination:
(a) Creative Question - 50 marks
05 Questions are to be answered out of 08 creative Questions.
Hach Question carries 10 marks   50
(b) MCQ-25 marks
25 Questions are to be answered out of 25 MCQ.
Hach Question carries 01 mark   25

Total= 75

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

Class Test-2 (Working days-20) Alloted Periods-16
First Paper :
5th Chapter - Work ,Energy & Power   05 Periods
6th Chapter - Gravitation and Gravity   05 Periods
Second Paper :
2nd Chapter - Static Electricity   06 Periods

Quiz-2 (Working days-23) Alloted Periods-14
First Paper : 8th Cahpter - Periodic motion   06 Periods
Second Paper : 3rd Chapter - Current Electricity   08 Periods

Annual Examination (Working days-28) Alloted Periods-18
First Paper : 7th Chapter - Structural Property of Matter   10 Periods
and repeatation of Chapters of first term examination,
Class test-2 and quiz-2.   08 Periods

Marks Distribution of Annual Examination
Class Test- 2	20 ⎤	60÷3	=20
Quiz-2	20 ⎬		
Practical	20 ⎦		
Class Attendance			05
1st Term (Theoritical) {Creative- 50			
MCQ- 25}			75

Total = 100

Marks Distribution of Theoritical 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 Period-43

Quiz-3 (Working days-19) Alloted Periods-18
First Paper : 9th Chapter - Wave   08 Periods
Second Paper :
4th Chapter-Magnetic Effect's of Current and Magnetism   10 Periods

Pre-test (Working days-33) Alloted Periods-25
Second Paper :
7th Chapter - Physical Optics.   07 Periods
8th Chapter-Introduction to Modern Physics   10 Periods
5th Chaper- Electromagnetic Induction and Alternating current 08 Periods

Marks Distribution of Pre-test
Quiz-3   20
Class Attendance   05
Pre-test (Theoritical)- {Creative- 50}
                         {MCQ- 25}   75
Total = 100

Marks Distribution of Theoritical 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 Period-24
Test Examination(Working days-30) Alloted Periods-24
Second Paper:
9th Chapter - Atomic model and Nuclear Phyiscs   07 Periods
10th Chapter - Semiconductor and Electronics   09 Periods
11th Chapter- Astroscience   04 Periods
Repeatation   04 Periods

Marks Distribution of Test Examination;
The test examination will cover all the chapters of both Firsthand Second Paper.
First paper .
1.   Theoritical- {Creative- 50   75
                   {MCQ-   25
2.   Practical   25
                                                  Total =100

Marks Distribution of Theoritical 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. A. T. M Shamsur Rahman (English Version) 4. Prof. Md. Golam Hossain Pramanik & Others
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. A. T. M Shamsur Rahman Salu and Others (English Version) 4. Prof. Md. Golam Hossain Pramanik & Others (Ev)

* 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 Period-55 days
Class Test-1 (Total working days 25) Allotted Periods -21

First Paper : 1st Chapter - (Full)   03 periods
2n Chapter - (From beginning to Electromagnetic radiation
Hydrogen spectra)   10 Periods
Second Paper :
1st Chapter- (From beginning to Partial Pressure)   06 Periods
08 periods 06 periods

Quiz-1 (Total working days 23) Allotted Periods -16

First Paper :
2nd Chapter - (Form Use of UV & IR rays to end)   06 periods
3rd Chapter- (From beginning to Periodic properties & Properties of
oxides)   05 periods
Second Paper: 1st Chapter - (Rest of the Chapter)   05 periods
Revision of class test-1

First Term Exam (Total working days 27) Allotted Periods -18

First Paper :
1st chapter: Use of Laboratory with safety measures   04 periods
2nd Chapter: Qualitative Chemistry   05 periods
3rd Chapter: Periodic Properties of Elements and Chemical Bonding
(Rest of the part)   09 periods
Second Paper : 1st Chapter (full)

Marks Distribution of First Term Examination

Class Test- 1	20 ⎫	40÷2	=20
Quiz-1	20 ⎭		
Class Attendance			05
Half Yearly (Theoritical) ⎧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 Period-48
Class Test-2 (Total working days 20) Allotted Periods -12

First Paper :
4th Chapter - (From beginning to Relation between Kp & Kc) 13-Periods

Quiz-2 (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
Revision of class test-2

Annual Exam (Total working days 28) Allotted Periods - 18

First Paper : 1st chapter: Safe Use of Laboratory
    2nd Chapter: Qualitative Chemistry
    3rd Chapter: Periodic Properties and Chemical bonding of elements
    4th Chapter: Chemical Change
    5th Chapter: Vocational Chemistry

2^{nd}Paper : 1^{st}Chapter : Environmental Chemistry
Revision of class test-1,2 and quiz-1,2.

Marks Distribution of Annual Examination

First paper

Class Test- 2	20		
Quiz-2	20	60÷3	=20
Practical	20		
Class Attendance			05

Annual Examination (Therortical) ⎰ Creative- 50
                       ⎱ MCQ- 25   75
                             Total = 100

Marks Distribution for Practical exam:

1. Experiment $10×1=10$
2. Note book   =05
3. Viva   =05
        Total=20

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 Period-40
Quiz -3 (Total working days 19) Allotted Periods -14

2nd Paper :
2nd Chapter (From Beginning Benzene)   07 periods
3rd Chapter (From Beginning to Nutralization Reaction)   07 periods

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

Second Paper :
2nd Chapter - Organic Chemistry (Rest of the part)   10 periods
3rd Chapter (Rest of the Chapter)   10 period
4th Chapter - Electro chemistry (From Beginning to Galvanniceel)   06 periods

Marks Distribution of Pre-test Examination First paper

Quiz-3	20
Class Attendance	05

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 Period-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   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 $5\times10=50$

b. MCQ- 25 marks

Each of the question has equal value and carries 01 marks $1\times25=25$

                                        Total=75

Marks distribution of Practicel 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.Haradhan Nag

                                 2.Ahsanulkabir

                                 3. Swapan Kumar Mistry

                                 4. Md. Abu Salek

                                 5. MahbubHasan Lingcon

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

Subject: Biology 1ˢᵗ & 2ⁿᵈ Paper

First Term Exam

Total Working Days: 75

Periods: 55

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

First Paper :

1ˢᵗ Chapter - Cell and it's structure   11 periods

Second paper :

1ˢᵗ Chapter - Animal Diversity and Classification   09 periods

Quiz-1 (Working Days-23) periods- 19

First Paper : 2ⁿᵈ Chapter - Cell Division   05 periods

Second paper :

2ⁿᵈ Chapter - Introduction to Animal (Hydra, Grasshopper)   14 periods

Syllabus of Class test-1 will be included in Quiz-1

1ˢᵗ term 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 Quiz-1 will be included in 1ˢᵗ term exam

Marks Distribution for first Terminal Examination

Class Test- 1   20 ⎤ $40\div2$ =20

Quiz-1   20 ⎦

Class Attendance   05

1ˢᵗ Term exam (Theoritical)   ⎰ 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 $5\times10= 50$

B)MCQ- 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 $1\times25=255$

                             Total Theoretical marks: 75

Annual Examination
Total Working Days: 71
Periods: 51

Class test- 2 (Working Days-20) periods- 15
First Paper : 4th Chapter - Microorganisms   06 periods
Second Paper : 4th Chapter - Human physiology: Blood and Blood
                                    circulation   09 periods

Quiz - 2 (Working Days-23) periods- 16
First Paper : 5th Chapter - Algae and Fungi 09 periods
Second Paper : 5th Chapter -Human physiology: Breathing and
                            Respiration   07 periods
        Syllabus of Class test-2 will be included in Quiz-2

Annual Exam (Working Days-28) periods- 20
First Paper : 6th Chapter –Bryophyta and Pteridophyta1   2 periods
Second Paper : 6th Chapter -Human physiology: Waste and excretion   08 periods
     And Revision of Previous Chapter

Marks distribution for Annual Examination
Class test- 2   20 ⎤   60÷3=20
Quiz - 2   20 ⎬
Practical examination   20 ⎦
Class attendance=05
Annual Exam (Theoretical): Creative - 50 ⎤   =75
                            MCQ- 25 ⎦
                                        Total = 100

Marks distribution for Practical exam:
1. Dissection and Indentation   12
2. Note book   03
3. Viva   05
                                        Total=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.   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 Poaceaefamily.
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 Anaerobicrespiration .

Pre-Test Exam
Total Working Days: 50
Periods: 35

Quiz 3(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 Quiz-3 will be included in Pre- Test Exam

Marks distribution forPre-TestExamination
Quiz- 3   = 20
Class attendance   = 05
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   1× 25= 25
                                        Total = 75

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Test Examination
Total Working Days: 32
Periods: 24

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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.

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Marks distribution for TestExamination

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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

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**Marks distribution of practical exam:

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DissectionAnd Identification   **17**
Viva Voice   05
Note Book   03
                                Total = 25

Second Paper : Same as first paper.

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Practical syllabus of Second paper

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1. Study of Museum Specimen (Non-Chordates-5, Chordates-4)
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.DrMd.AbdulAlim
Class 11-12	3. ParnbandhuBiswas
	4. Prof.Md.NazimUddin*et al*

Name of the BookName of theAuthor	
Biology 2nd paper	1. Dr. Md. AbdulAlim
Class 11-12	2. Md. Abdul Kaiyum and Prof. MeghnadSaha
	3. Prof. NazimUddin

* 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 Period-51 days

Class Test-1 (Working days-31) Allotted Periods-25
1st paper :
1st Chapter - Matrix and Determinants [Exercise: 1.1-1.2]   11 Periods
3rd Chapter - Straight lines [Exercise- 3.1 - 3.5]   14 Periods

Quiz-l (Working days-24) 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

1st Term Examination (Working days-20) Allotted Periods-16
Syllabus of class test-l and class test-2:
1st Paper : 4th Chapter - Circle [Exercise- 4.1 -4.2]   08 Periods
2nd Paper : 7th Chapter - Inverse Trigonometric Function &
Trigonometric Equations [Ex-7.1 - 7.2]   08 Periods

Marks Distribution of 1st Term Examination
Class Test- 1   20 ⎞   40÷2   =20
Quiz-1   20 ⎠
Class Attendance   05
1st Term exam (Theoritical) ⎧ 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 Period-54

Class Tcst-2 (Working days-I7) Allotted Periods-14
1st paper.
8th Chapter : Function and Graph of Functions [Exercise-8]   06
Periods
6th Chapter : Conies [Exercise:-6.1 - 6.3]   08 Periods

Quiz-2 (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-2

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 Quiz 1,2.

Marks Distribution of Annual Examination
Class Test- 2   20 ⎞   60÷3   =20
Quiz-2   20 ⎬
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

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

Quiz-3 (Working days-20) Allotted Periods-16

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2th Paper :

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

10th Chapter :

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

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

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Full syllabus of Quiz-3
2th 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

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Marks Distribution of Pre-test

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Quiz-3	= 20
Class Attendance	= 05
Pre-test (Theoretical)- { Creative- 50	
MCQ- 25	75
	Total =100

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Marks Distribution of Theoretical Examination:

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(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

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Total=75

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Test Examination
Total working days-25 days
Allotted Period-20 days
Test Exam. (Working days-13) Allotted Periods-20

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First Paper

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

2th 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

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Full syllabus of Previous Examination

Marks Distribution of Test Examination

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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	75
MCQ- 25	
	Total =100

<div style="text-align: center">

Marks Distribution of Theoretical Examination:

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(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

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Total= 75

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<div style="text-align: center">

Marks distribution of practical examination

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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