

SYLLABUS

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বিষয়: বাংলা (আবশ্যিক) প্রথম পত্র ও দ্বিতীয় পত্র

অর্ধ-বার্ষিক পরীক্ষা

মোট কার্যদিবস-৭৫ দিন

নির্ধারিত পিরিয়ড-৬৬

ক্রাস টেস্ট-১: কার্যদিবস-২৫ দিন, নির্ধারিত পিরিয়ড-২১

ক) বাঙ্গালার নব্য লেখকদিগের প্রতি নিবেদন.....	০৪ পিরিয়ড
খ) অপরিচিতা	০৪ পিরিয়ড
গ) বিভীষণের প্রতি মেঘনাদ	০৫ পিরিয়ড
ঘ) উপন্যাস ৭৫-৮২ পৃষ্ঠা পর্যন্ত	০৮ পিরিয়ড
	২১ পিরিয়ড

কুইজ-১: কার্যদিবস-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: কার্যদিবস-২৭ দিন, নির্ধারিত পিরিয়ড-২৪

ক) আহ্বান	০৪ পিরিয়ড
খ) আমার পথ	০৪ পিরিয়ড
গ) প্রতিদান	০২ পিরিয়ড
ঘ) সুচেতনা	০৩ পিরিয়ড
ঙ) তাহারেই পড়ে মনে	০৩ পিরিয়ড
চ) উপন্যাস ৮৩-১০১ পৃষ্ঠা পর্যন্ত	০৪ পিরিয়ড
ছ) নাটক ২য় অঙ্ক	০৪ পিরিয়ড
	২৪ পিরিয়ড

** অর্ধ-বার্ষিক পরীক্ষার সিলেবাসে ক্রাস টেস্ট-১ ও কুইজ-১ এর সিলেবাস অন্তর্ভুক্ত হবে।

মানবণ্টন:

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

অর্ধ-বার্ষিক পরীক্ষার মানবণ্টন:

গদ্য: সৃজনশীল প্রশ্নের ৪টি উদ্দীপকের ৩টির উত্তর দিতে হবে।	১০×৩=৩০
কবিতা: সৃজনশীল প্রশ্নের ৩টি উদ্দীপকের ২টির উত্তর দিতে হবে।	১০×২=২০
উপন্যাস/নাটক: সৃজনশীল প্রশ্নের ৩টি উদ্দীপকের ২টির উত্তর দিতে হবে।	১০×২=২০
	মোট = ৭০
বহুনির্বাচনি	= ৩০
	সর্বমোট = ১০০

বার্ষিক পরীক্ষা

মোট কার্যদিবস-৭১ দিন

নির্ধারিত পিরিয়ড-৫৫

ক্রাস টেস্ট-২: কার্যদিবস-২০ দিন, নির্ধারিত পিরিয়ড-১৬

ক) মানব-কল্যাণ	০৩ পিরিয়ড
খ) মাসি-পিসি	০৩ পিরিয়ড
গ) পদ্মা	০২ পিরিয়ড
ঘ) আঠারো বছর বয়স	০২ পিরিয়ড
ঙ) উপন্যাস ১০২-১১৬ পৃষ্ঠা পর্যন্ত	০৬ পিরিয়ড
	১৬ পিরিয়ড

কুইজ-২: কার্যদিবস-২৯ দিন, নির্ধারিত পিরিয়ড- ১৩

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

বার্ষিক পরীক্ষা: কার্যদিবস-২৮ দিন, নির্ধারিত পিরিয়ড-২২

ক) মহাজাগতিক কিউরেটর	০৩ পিরিয়ড
খ) নেকলেস	০২ পিরিয়ড
গ) নূরলদীনের কথা মনে পড়ে যায়	০২ পিরিয়ড
ঘ) ছবি	০২ পিরিয়ড
ঙ) উপন্যাস সমাপ্ত	০৭ পিরিয়ড
চ) নাটক সমাপ্ত	০৬ পিরিয়ড
	২২ পিরিয়ড

বার্ষিক পরীক্ষা: অর্ধ-বার্ষিক পরীক্ষার সিলেবাস (ক্রাস টেস্ট-১, কুইজ-১ সহ)

ক্রাস টেস্ট-২ ও কুইজ-২ বার্ষিক পরীক্ষার সিলেবাস অন্তর্ভুক্ত হবে।

মানবন্টন: অর্ধ-বার্ষিক পরীক্ষার অনুরূপ

প্রাক-নির্বাচনি পরীক্ষা

মোট কার্যদিবস-৫০ দিন

নির্ধারিত পিরিয়ড-৩৯

কুইজ-৩: 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, ক্ষুদ্রে গল্প	০২ পিরিয়ড
ঝ) প্রবন্ধ রচনা	০১ পিরিয়ড
	২৭ পিরিয়ড

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

মানবন্টন:

ক) কুইজ-৩	২০
খ) ক্রাসে উপস্থিতি	০৫
গ) প্রাক-নির্বাচনি পরীক্ষা-১০০ রূপান্তরিত হবে	৭৫

মোট = ১০০

প্রাক-নির্বাচনি পরীক্ষার মানবন্টন:

ব্যাকরণ- ৩০

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

মোট- ৩০

নির্মিত- 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

মানবন্টন: বোর্ড পরীক্ষার অনুরূপ।

নির্বাচনি পরীক্ষার মানবন্টন:

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। 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 One : People or Institutions Making History	11
Unit Two : Greatest Scientific Achievements	
Unit Three : 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 Four : Human Relationship	16
Unit Five : Art and Music	
Unit Six : 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 Seven : Traffic Education	16
Unit Eight : Human Rights	
Unit Nine : 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

1 st 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 Ten : Peace and Conflict	11
Unit Eleven : Tours and Travels	
Summary Writing	
Grammar : Sentence Connectors	02
Writing Part : Completing Story	01

Quiz-2 Test (Working Days 23) Allocated Periods 17

English for Today	
Unit Twelve : Environment and Nature	13
Unit Thirteen : Food Adulteration	
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 Fourteen : Myths and Literature	14
Unit Fifteen : 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 & 2nd Class Test and Quiz-1 & Quiz-2 Syllabus

Marks Distribution of Annual Exam

Comprehension based Question	25 Marks
Vocabulary	15 Marks
Rearrangement	10 Marks
Grammar	10 Marks
Guided Writing	40 Marks
Total = 100 Marks	

Assessment of Annual Exam

2 nd 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 Questions :	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

Test

Total Working Days: 32

Allocated Periods: 26

Test Exam (Working Days 32) Allocated Periods 26

Revision of English 1st & 2nd Paper (Full Syllabus) 26

Marks Distribution:

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

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 days

Allocated periods -51

Class Test- 1 (Working Days- 25 Periods-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) Periods-15

Thrid Chapter (Second Portion) : Up to Universal gate Class-15
Revision of class test-1

First Term Examination (Working Days-27) Periods-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 days-71 days

Allocated periods -37

Class Test- 2 (Working Days-20) Periods-07

1. 2nd Chapter :Full Class=05

Quiz 2 (Working Days-23) Periods-12

4th Chapter: Full Class=12

Revision of class test-2

Annual Exam (Working Days-28) Periods-14

First Term Exam Syllabus Repeat and Class Test-2 & Quiz-2 Repeat Class=14

Marks Distribution Of Annual Exam

Class Test-2	=20	}	60÷3 =20
Quiz-2	=20		
Practical	= 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 days- 50 days Allocated periods -27

Quiz -3 (Working Days-19) Periods-09

1. Fifth Chapter: Program Design and C Programming	Class=09
2. 6th Chapter: Upto query	

Pre-Test Examination (Working Days-31) Periods-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 }
	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 Days-32 days
Total periods-18

(Total Working Days-18) periods-8

Test Exam.(Total Working Days-32) periods-18

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

Mark Distribution of Test Examination

Practical exam		=25
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

** 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:

Sl	Book	Writer
1	Information and Communication Technology	Forhad Monjur and others
2	Information and Communication Technology	Mahabubur Rahman
3	Information and Communication Technology	Md. Mahfuzur Rahman & Md. Rasel kabir

Practical

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

- * 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) Allotted Periods-21

First paper :

Chapter 1- Physical world and Measurement	02 Periods
Chapter 2- Vector	11 Periods
Chapter 4-Newtonian Mechanics	08 Periods

Quiz -1 (Working days-23) Allotted Periods-16

First paper :

Chapter 10-Ideal Gas and Kinetic Theory of Gases	08 Periods
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Second Paper:

Chapter 7- Physical Optics	08 Periods
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1st Term Examination (Working days-27) Allotted Periods-21

First Paper : Chapter 3-Dynamics 08 Periods

Second Paper: Chapter 1- Thermodynamics 09 Periods

Repetition of Chapters of Class test 1 and Quiz Test 1. 04 Periods

Marks Distribution of 1st Term Examination

Class Test- 1	20	}	40÷2	=20
Quiz-1	20			

Class Attendance 05

1 st Term (Theoretical)	{ Creative- 50 }	}	75
	{ MCQ- 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

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

Class Test-2 (Working days-20) Allotted Periods-19

First Paper :

Chapter 5- Work, Energy and Power 05 Periods

Chapter 6 -Gravity and Gravitation 06 Periods

Second Paper :

Chapter 2 - Electrostatics 08 Periods

Quiz-2 (Working days-23) Allotted Periods-14

First Paper : Chapter 8 -Periodic Motion 06 Periods

Second Paper : Chapter 3 - Current Electricity 08 Periods

Annual Examination (Working days-28) Allotted Periods-18

First Paper : Chapter 7- Structural Properties of Matter 10 Periods

Repetition of chapters of half yearly examination, class test 2 and quiz test 2. 08 Periods

Marks Distribution of Annual Examination

Class Test- 2	20	}	60÷3	=20
Quiz-2	20			
Practical	20			

Class Attendance 05

1 st Term (Theoretical)	{ Creative- 50 }	}	75
	{ MCQ- 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	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

Quiz-3 (Working days-19) Allotted Periods-18

First Paper : Chapter 9 -Wave 08 Periods

Second Paper :

Chapter 4-Magnetic Effects of Current and Magnetism 10 Periods

Pre-test (Working days-33) Allotted Periods-25**Second Paper :**

Chapter 6 -Geometrical optics 07 Periods

Chapter 8- Introduction to ModernPhysics 08 Periods

Chapter 5- Electromagnetic Induction and Alternating Current 10 Periods

Marks Distribution of Pre-test

Quiz-3	20
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) Allotted 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	75
{ MCQ- 25	
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. 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 Periods-55 days

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

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

2nd Chapter - (From beginning to Electromagnetic radiation
Hydrogen spectra) 10 Periods

Second Paper :

1st Chapter- (From beginning to Partial Pressure) 08 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 (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-2 (Total working days 20) Allotted Periods -12

First Paper :

4th Chapter - (From beginning to Relation between K_p & K_c) 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 02 periods

2nd Chapter: Qualitative Chemistry 04 periods

3rd Chapter: Periodic Properties and Chemical bonding of elements 05 periods

4th Chapter: Chemical Change 02 periods

5th Chapter: Vocational Chemistry 01 periods

2nd Paper : 1st Chapter : Environmental Chemistry 04 periods

Revision of class test-1,2 and quiz-1,2.

Marks Distribution of Annual Examination

First paper

Class Test- 2 20 } 60 ÷ 3 = 20

Quiz-2 20 }

Practical 20 }

Class Attendance 05

Annual Examination (Theoretical) { 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 Periods-40

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

2nd Paper :

2nd Chapter (From Beginning Benzene) 07 periods

3rd Chapter (From Beginning to Neutralization Reaction) 07 periods

Pre-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 Galvanic cell) 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 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	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

1. Chemistry- 1st & 2nd paper

Name of Authors

1. Haradhan Nag
2. Ahsanulkabir
3. Swapan Kumar Mistry
4. Md. Abu Salek
5. Mahbub Hasan 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÷2 =20
Quiz-1	20	
Class Attendance		05
1 st Term 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- 2 (Working Days-20) periods- 15

First Paper : 4th Chapter - Microorganisms 06 periods

Second Paper : 4thChapter - 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 :5thChapter -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 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- 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 Poaceae family.
5. Observation of the transverse section of roots and shoots of Monocotyledon plants.
6. To examine the importance of CO₂ in photosynthesis.
7. Examination of Anaerobic respiration .

Pre-Test Exam

Total Working Days: 50
Periods: 35

Quiz 3(Working Days-19) periods-15

First Paper :7th Chapter-Gymnospermic and Angiospermic plants 08 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

Test Examination
Total Working Days: 32
Periods: 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 Conservation of Living Organisms	04 periods

Second Paper : 9 th Chapter - Continuation of human life	03 periods
10 th Chapter -Immunity of Human Body	05periods
12 th Chapter -Animal Behavior	04 periods

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

Marks distribution for TestExamination

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:**

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

Second Paper : Same as first paper.

Practical syllabus of Second paper

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 1 st paper	1. Md. MizanurRahman 2.DrMd.AbdulAlim
Class 11-12	3. ParnbandhuBiswas 4. Prof.Md.NazimUddinet al

Name of the BookName of theAuthor

Biology 2 nd 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 1 st and 2 nd Paper (Practical)	1. Md. MizanurRahman 2. LammiaSharmin
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Subject: Higher Math 1st & 2nd Paper

First Term Exam

Total working days-75 days

Allotted Periods-51 days

Class Test-1 (Working days-31) Allotted Periods-25

1st paper :

1 st Chapter - Matrix and Determinants [Exercise: 1.1-1.2]	11 Periods
3 rd Chapter - Straight lines [Exercise- 3.1 - 3.5]	14 Periods

Quiz-1 (Working days-24) Allotted Periods-20

1st paper :

3 rd Chapter- Straight lines [Exercise:-3.6-3.7]	08 Periods
7 th 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-1 and class test-2:

1 st Paper : 4 th Chapter - Circle [Exercise- 4.1 -4.2]	08 Periods
2 nd Paper : 7 th 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
1 st 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-2 (Working days-I7) Allotted Periods-14

1st paper.

8 th Chapter : Function and Graph of Functions [Exercise-8]	06
Periods	
6 th Chapter : Conies [Exercise:-6.1 - 6.3]	08 Periods

Quiz-2 (Working days-25) Allotted Periods-20

1 st paper : 9 th Chapter - Differentiation [Exercise:-9.1 - 9.9]	13 Periods
5 th Chapter - Permutations and Combinations [Exercise- 5.1 - 5.2]	07 Periods
Revision of class test-2	

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

1 st paper: 10 th Chapter - Integration [Exercise- 10.1 - 10.7]	11 Periods
2 nd Paper : 5 th 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 (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	

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

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

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

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

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

Marks Distribution of Pre-test

Quiz-3 = 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-25 days
Allotted Periods-20 days

Test Exam. (Working days-13) Allotted Periods-20

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

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 } 75
 MCQ- 25

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 } 12
 Use of instruments and Data Collection -05

Calculation and Analysis -04 05

Presentation of results with explanation 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