

রাজেন্দ্রপুর ক্যান্টনমেন্ট পাবলিক স্কুল ও কলেজ

রাজেন্দ্রপুর সেনানিবাস, গাজীপুর।

বিষয়: বাংলা (আবশ্যিক) প্রথম পত্র ও দ্বিতীয় পত্র অর্ধ-বার্ষিক পরীক্ষা

মোট কার্য দিবস- ৭৬ দিন, নির্ধারিত পিরিয়ড- ৪৮

ক্লাস টেস্ট-১: কার্য দিবস-২০ দিন, নির্ধারিত পিরিয়ড-১৬

প্রথম পত্র: ক। বাঙ্গালার নব্য লেখকদিগের প্রতি নিবেদন-
খ। অপরিচিতা

দ্বিতীয় পত্র: ক। বাক্যতত্ত্ব (সার্থক বাক্য, বাক্যের প্রকারভেদ)
খ। দিনলিপি, অভিজ্ঞতা

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

প্রথম পত্র: ক। বিলাসী খ। প্রতিদান গ। সোনার তরী

দ্বিতীয় পত্র: ক। বানানের নিয়ম ও শব্দ শুদ্ধি খ। ভাষণ

অর্ধবার্ষিক পরীক্ষা: কার্য দিবস-৩৬ দিন, নির্ধারিত পিরিয়ড-১৬

প্রথম পত্র: ক। সাহিত্যে খেলা খ। বিভীষণের প্রতি মেঘনাদ
গ। বিদ্রোহী ঘ। অর্ধাঙ্গী
ঙ। উপন্যাস: লালসালু (১ম ও ২য় চতুর্থাংশ)

দ্বিতীয় পত্র: ক। বাংলা শব্দ গঠন (উপসর্গ) খ। পারিভাষিক শব্দ / অনুবাদ
গ। সারাংশ/সারমর্ম/ভাব সম্প্রসারণ

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

মান বণ্টন

ক। ক্লাস টেস্ট-১ } রূপান্তরিত হবে = ২০ নম্বর
খ। ক্লাস টেস্ট-২ }
গ। ক্লাসের উপস্থিতি = ০৫ নম্বর
ঘ। সৃজনশীল ও রচনামূলক ৭০ + বহুনির্বাচনি ৩০ = ১০০ নম্বর রূপান্তরিত হবে=৭৫নম্বর
মোট= ১০০ নম্বর

লিখিত পরীক্ষার মানবন্টন

১। বহুনির্বাচনি প্রশ্নের উত্তর (১×৩০) = ৩০ নম্বর
২। সৃজনশীল (গদ্য, পদ্য ও সহপাঠ প্রত্যেক বিভাগ থেকে ২টি করে প্রশ্ন থাকবে)। ১টি করে উত্তর দিতে হবে) ৩×১০ = ৩০ নম্বর
৩। রচনামূলক (বাংলা ২য় পত্র থেকে) = ৪০ নম্বর
মোট = ১০০ নম্বর

বার্ষিক পরীক্ষা

মোট কার্য দিবস- ৬৯ দিন, নির্ধারিত পিরিয়ড- ৪০

ক্লাস টেস্ট-৩: কার্য দিবস-১৮ দিন, নির্ধারিত পিরিয়ড-১৪

প্রথম পত্র: ক। যৌবনের গান খ। সুচেতনা
গ। উপন্যাস: লালসালু (শেষ পর্যন্ত)

দ্বিতীয় পত্র: ক। বাংলা উচ্চারণের নিয়ম খ। অনুবাদ

বার্ষিক পরীক্ষা: কার্য দিবস-৫১ দিন, নির্ধারিত পিরিয়ড-২৬

প্রথম পত্র: ক। জীবন ও বৃক্ষ খ। তাহায়েই মনে পড়ে
গ। ঋতুবর্ণন ঘ। গন্তব্য কাবুল

দ্বিতীয় পত্র: ক। ব্যাকরণিক শব্দ শ্রেণি (সব) খ। পারিভাষিক শব্দ (A-Z)
গ। অনুবাদ

প্রথম পত্র: ক। মাসি-পিসি খ। পদ্মা
গ। আঠারো বছর বয়স ঘ। উপন্যাস (সম্পূর্ণ)

দ্বিতীয় পত্র: ক। বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধপ্রয়োগ খ। রচনা
গ। পূর্বপাঠের পুনরালোচনা

***বার্ষিক পরীক্ষার সিলেবাসে ৩য় ক্লাস টেস্টের সিলেবাস অন্তর্ভুক্ত হবে।

বার্ষিক পরীক্ষার মান বণ্টন

ক। ক্লাস টেস্ট-৩ = ২০ নম্বর
খ। ক্লাসের উপস্থিতি = ০৫ নম্বর
গ। সৃজনশীল ও রচনামূলক ৭০ + বহুনির্বাচনি ৩০ = ১০০ নম্বর রূপান্তরিত হবে=৭৫নম্বর
মোট= ১০০ নম্বর

লিখিত পরীক্ষার মানবন্টন

১। বহুনির্বাচনি প্রশ্নের উত্তর (১×৩০) = ৩০ নম্বর
২। সৃজনশীল (গদ্য, পদ্য ও সহপাঠ প্রত্যেক বিভাগ থেকে ২টি করে প্রশ্ন থাকবে)। ১টি করে উত্তর দিতে হবে) ৩×১০ = ৩০ নম্বর
৩। রচনামূলক (বাংলা ২য় পত্র থেকে) = ৪০ নম্বর
মোট = ১০০ নম্বর

প্রাক-নির্বাচনি পরীক্ষা

কার্য দিবস-৬৪ দিন, নির্ধারিত পিরিয়ড-৪০

প্রাক-নির্বাচনি পরীক্ষা: কার্য দিবস-৪২ দিন, নির্ধারিত পিরিয়ড-৩৩

প্রথম পত্র: ক। কপিলদাস মুরুর শেষ কাজ খ। আমি কিংবদন্তির কথা বলছি
গ। ফেব্রুয়ারি ১৯৬৯ ঘ। নাটক (১ম ও ২য় অংক)

দ্বিতীয় পত্র: ক। সমাস ও উপসর্গ খ। প্রতিবেদন
গ। সংলাপ/খুদেগল্প

প্রাক-নির্বাচনি পরীক্ষা: কার্য দিবস-১৭ দিন, নির্ধারিত পিরিয়ড-১৩

প্রথম পত্র: ক। রেইনকোট খ। নাটক (সম্পূর্ণ)

দ্বিতীয় পত্র: ক। প্রকৃতি ও প্রত্যয় খ। ই-মেইল

গ। আবেদনপত্র/পত্র লিখন ঘ। প্রবন্ধ রচনা

ঙ। পূর্বপাঠের পুনরালোচনা

***প্রাক-নির্বাচনি পরীক্ষার সিলেবাসে ৫ম ক্লাস টেস্টের সিলেবাস অন্তর্ভুক্ত হবে।

প্রাক-নির্বাচনি পরীক্ষার মানবন্টন

ক। ক্লাস টেস্ট-৫ = ২০ নম্বর

গ। ক্লাসের উপস্থিতি = ০৫ নম্বর

ঘ। সৃজনশীল ও রচনামূলক ৭০ + বহুনির্বাচনি ৩০ = ১০০ নম্বর রূপান্তরিত হবে=৭৫নম্বর
মোট= ১০০ নম্বর

লিখিত পরীক্ষার মানবন্টন

১। বহুনির্বাচনি প্রশ্নের উত্তর (১×৩০) = ৩০ নম্বর

২। সৃজনশীল (গদ্য, পদ্য ও সহপাঠ প্রত্যেক বিভাগ থেকে ২টি করে প্রশ্ন থাকবে।

১টি করে উত্তর দিতে হবে) ৩×১০ = ৩০ নম্বর

৩। রচনামূলক (বাংলা ২য় পত্র থেকে) = ৪০ নম্বর

মোট = ১০০ নম্বর

নির্বাচনি পরীক্ষা

কার্য দিবস-৬৪ দিন, নির্ধারিত পিরিয়ড-২৮

প্রথম পত্র: ক। নেকলেস খ। প্রত্যাবর্তনের লজ্জা

দ্বিতীয় পত্র: ক। সংলাপ খ। খুদে বার্তা

গ। প্রবন্ধ রচনা ঘ। পুনরালোচনা

** বি.দ্র. নির্বাচনি পরীক্ষা ১ম ও ২য় পত্র আলাদাভাবে অনুষ্ঠিত হবে।

নির্বাচনি পরীক্ষার মানবন্টন

প্রথমপত্র: সৃজনশীল ৭০ নম্বর + বহুনির্বাচনি ৩০ নম্বর = ১০০ নম্বর

দ্বিতীয় পত্র: ব্যাকরণ ৩০ নম্বর + নির্মিত ৭০ নম্বর = ১০০ নম্বর

পাঠ্যপুস্তক তালিকা: বাংলা প্রথম পত্র

১। সাহিত্য পাঠ (গদ্য ও পদ্য)	জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক
২। সহপাঠ (উপন্যাস ও নাটক)	বোর্ড, বাংলাদেশ।

সহায়ক গ্রন্থের তালিকা: বাংলা দ্বিতীয় পত্র

১। বাংলা ব্যাকরণ ও নির্মিত	ড. সোলায়মান কবির
২। বাংলা ব্যাকরণ ও নির্মিত	ড. হায়াৎ মামুদ
৩। উচ্চতর স্বনির্ভর বিশুদ্ধ ভাষা-শিক্ষা	প্রধান সম্পাদক- অধ্যাপক প্রীতিশ কুমার সরকার
৩। প্রমিত বাংলা ব্যাকরণ ও নির্মিত	ড. বিশ্বজিত ঘোষ
৪। উচ্চতর বাংলা ব্যাকরণ ও নির্মিত	অধ্যাপক নিরঞ্জন অধিকারী
৫। প্রমিত বাংলা ব্যাকরণ ও নির্মিত	অধ্যাপক ড. মাহবুবুল হক
৬। বাংলা ব্যাকরণ ও নির্মিত	ড. অনিরুদ্ধ কাহালি
৭। প্রমিত বাংলা ব্যাকরণ	প্রকাশক - বাংলা একাডেমি

Subject : ENGLISH 1st PAPER & 2nd PAPER

Half-Yearly Exam

Total Working Days: 74

1st Class Test: Working Days & Allocated Periods-21

English for Today

Unit 1: Education and Life

Unit 2: Art and Craft

Grammar: Special Use of Words /Phrases, Synonym/Antonym

Writing Part: Paragraph

Class Test-2: Working Days & Allocated Periods-23

English for Today

Unit 3: Myths and Literature

Unit 4: History

Unit 5: Human Rights

Grammar: Completing Sentence, Transformation of Sentences

Writing Part: E-mail

Half-Yearly: Working Days & Allocated Periods-19

English for Today

Unit 6: Dreams

Unit 7: Youthful Achievers

Unit 8: Relationships

Fill in the blanks

Rearrangement

Grammar: Special Use of Words /Phrases, Completing Sentence,

Transformation of Sentences,

Synonym/Antonym, Modifiers

Writing Part: Completing Story, Theme, Letter/Email, Graph/chart, Paragraph

(***Syllabus of 1st & 2nd Class Test will be included in the Half-Yearly Examination.)

Marks Distribution of Written Test

Comprehension-based Question	25 Marks
Vocabulary	05 Marks
Rearrangement	10 Marks
Grammar	20 Marks
Guided Writing (Completing Story-7, Theme-8, Letter/Email-5, Graph/chart-10, Paragraph-10)	<u>40 Marks</u>
Total	: 100 Marks

Marks Distribution of Half-Yearly Exam

1st class test - 20 } 2nd class test - 20 }	Converted into	20 Marks
Class Attendance		05 Marks
Written Exam (100 Marks) converted into		<u>75 Marks</u>
Total		: 100 Marks

Annual Exam

Total Working Days- 71

3rd Class Test: Working Days & Allocated Periods-16

English for Today

Unit 9	Adolescence
Unit 10	Lifestyle
Unit 11	Peace and Conflict
Grammar:	Connectors, Pronoun reference
Writing Part:	Report Writing

Annual Exam: Working Days & Allocated Periods-43

English for Today

Unit 1-12 Revision of all twelve units
Grammar: Right Form of Verbs, Transformation of Sentences, Modifier, Synonyms & Antonyms, Article, Preposition
Writing Part: Composition, Theme, Report, Application
(*** Syllabus of 3rd Class Test will be included in the Annual Examination.)

Marks Distribution of Written Test

Comprehension-based Question	25 Marks
Vocabulary	15 Marks
Grammar	20 Marks
Guided Writing: (Application-8, Theme-8, Report-10, Composition-14)	<u>40 Marks</u>
Total	:100 Marks

Marks Distribution of Annual Exam

3 rd class test	20 Marks
Class Attendance	05 Marks
Written Exam (100 Marks) converted into	<u>75 Marks</u>
Total	:100 Marks

Pre- Test Examination

Total Working Days: 75

1. English 1st paper full syllabus
2. English 2nd paper full syllabus

Marks Distribution of Pre- Test Exam

1. English 1st Paper (According to Board Syllabus)	100 Marks
2. English 2 nd Paper (According to Board Syllabus)	<u>100 Marks</u>
Total=	200 Marks

Test Examination

Total Working Days: 60

1. Revision of English 1st Paper
2. Revision of English 2nd Paper

Marks Distribution of Pre- Test Exam

1. English 1st Paper (According to Board Syllabus)	100 Marks
2. English 2 nd Paper (According to Board Syllabus)	<u>100 Marks</u>
Total=	200 Marks

Recommended Book

1st Paper

1. Text Book - English for Today Prescribed by NCTB

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.

Sub. : Information and Communication Technology

First Term (First Term Examination)

Total working day- 76 days, Allocated period -36

Class Test- 1 (Working Day- 20) Period-12

- 1st Chapter : Up to Virtual Reality
- 2nd Chapter: Up to Data transmission mode
- 3rd Chapter (First Portion): Number System (Up to Conversion)

Class Test - 2 (Working Day-20) Period-12

- 1st Chapter : Up to Biometrics
- 2nd Chapter: Up to Data Communication medium & Wireless Technology
- 3rd Chapter (Second Portion): Up to Code

First Term Examination (Working Day-36) Period-121st Chapter : Full2nd Chapter: Up to Mobile generation3rd Chapter : Up to Code**Marks Distribution Of First Term**

Class Test-1 =20 } 40÷2 =20

Class Test -2 =20 }

Attendance =05

First Term 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 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****Annual Exam**

Total working day-69 days, Allocated period -30

Class Test- 3 (Working Day-28) Period-102nd Chapter : Computer Network3rd chapter : Up to Adder4th Chapter: Up to HTML Structure**Class Test- 4 (Working Day-20) Period-10**4th Chapter: Up to List

Revision of class test-3

Annual Exam (Working Day-34) Period-221st Chapter to 4th Chapter: Full

Revision of First Term Exam

Marks Distribution Of Annual Exam

Class Test-3 =20 } 60÷3=20

Class Test -4 =20 }

Practical =25

Attendance =05

Theory Creative Question=50 }

M.C.Q=25 } 100 number will be converted to = 75**Total =100****Marks Distribution of Practical Exam**

1. Experiment (1) 10× 1=10

2. uses of instrument 05

3. Notebook 05

4. VIVA 05**Total= 25****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****Pre-Test Examination**

Total working day- 64 days, Allocated period -30

Class Test -5 (Working Day-25) Period-154th Chapter: Up to table tag5th Chapter: Up to Program Development life cycle**Pre-Test Examination (Working Day-39) Period-15**1st Chapter: Full4th Chapter: Full5th Chapter: Up to loop statement6th Chapter: Up to Database Management System Query**Mark Distribution of Pre-Test Examination**

Class Test -5 20

Attendance 5

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**Total 75****Test Examination**

Total working Day-41 days, Total period-20

Test Exam (Total working day-64) period-21

* Whole book revision

Mark Distribution of Test Examination

Practical exam	=25
Theory Creative Question =50	}
MCQ = 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
Total	75

Practical Exam mark distribution:

Experiment: 1 Theory	-03	}	12
Use of instruments and data collection-05	-05		
Calculation and analysis	-04		
Result			05
VIVA			05
Notebook			03
Total			25

List of reference Information and Communication Technology books (Class XI-XII)

1. The books published by NCTB
2. AZM Asaduzzaman - Akkhorpotro Publication.
3. ICT - Lecture Publication
4. ICT - Engineer Mozibur Rahman
5. IT - Cambridge International AS & A level- Paul long, Sarah lawrey & Victoria Ellis.

Subject: Physics 1st & 2nd Paper Half-Yearly Exam

Total working days-76 days, Allotted Period-48

Class Test-1 (Working days-20) Allotted Periods-16

- 1st Paper: 1st Chapter - Physical World and Measurement
2nd Chapter - Vector
3rd Chapter - Dynamics

Class Test-2 (Working days-20) Allotted Periods-16

- 1st Paper: 10th Chapter - Ideal Gas and Kinetic Theory of Gases
2nd Paper: 1st Chapter- Thermodynamics

Half-Yearly Examination (Working days-36) Allotted Periods-16

1st Paper: 4th Chapter – Newtonian Mechanics

2nd Paper: 2nd Chapter- Static electricity

and repetition of Chapters of Class test-1 and Class test-2

Marks Distribution of Half-Yearly Examination

Class Test- 1	20	}	Converted to 20
Class test - 2	20		
Class Attendance			05
Half-Yearly (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-69 days, Allotted Period-40

Class Test-3 (Working days-20) Allotted Periods-16

1st Paper: 5th Chapter – Work, Energy & Power

1st Paper: 8th Chapter - Periodic Motion

Annual Examination (Working days-34) Allotted Periods-24

1st Paper: 6th Chapter - Gravitation and Gravity

1st Paper: 9th Chapter - Wave

2nd Paper: 3rd Paper - Current Electricity

Marks Distribution of Annual Examination

Class test-3	20		20
Class Attendance			05
Annual Examination (Theoretical)-	Creative- 50	}	75
	MCQ- 25		
Practical-25 (Theoretical-75+Practical-25) = 100 Number converted to			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	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

Pre-Test Exam

Total working days- 64 days, Allotted Period-40

Pre-test (Working days-39) Allotted Periods-20

1st Paper: 7th Chapter- Structural Property of Matter
 2nd Paper: 4th Chapter: Magnetic effects of current and magnetism
 5th Chapter - Electromagnetic Induction and Alternating Current
 6th Chapter- Geometrical optics
 7th Chapter: Physical optics
 Repetition of previous all chapters.

Marks Distribution of Pre-test

Class Attendance	05
Pre-test (Theoretical)- Creative- 50	
MCQ- 25	
Total 100 converted into	95
	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 64 days, Allotted Period-28

Test Examination (Working days-64) Allotted Periods-28

2nd paper: 8th Chapter - Introduction to Modern Physics
 9th Chapter- Atomic Model and Nuclear Physics
 10th Chapter - Semiconductor and Electronics
 11th Chapter- Astrophysics

Repetition of previous all chapters.

Marks Distribution of Test Examination

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

List of Books.

List of reference Physics books (1st & 2nd Paper)

1. Dr. Shahjahan Tapan & Others (English Version)
2. Dr. Amir Hussain Khan and others (English Version)
3. Prof. Md. Golam Hossain Pramanik & other (English Version)
4. Professor A.T.M Shamshur Rahman Shelu and others (English Version)
Fundamental of Physics - David Halliday, Robert Resnick and Jearl Walker.

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

Sub: Chemistry 1st & 2nd Paper

1st TERMINAL EXAM

Total Working Days- 76, Allotted Period- 48

Class Test-1 (Working Days-20) Allotted Period-16

1st Paper : Chapter 1-Safe Use of Laboratory (Full)

Chapter 2-Qualitative Chemistry (From beginning to electro magnetic radiation, Hydrogen spectra)

2nd Paper : Chapter 1 - Environmental Chemistry (From beginning to Partial pressure)

Class Test-2 (Working Days-20) Allotted Period-16

1st Paper : Chapter 2- Qualitative Chemistry (From Use of UV & IR ray to end)

Chapter 3- Periodic Properties and Chemical Bonding of elements (From beginning to periodic properties of elements and properties of oxides of elements)

Half Yearly Examination (Working Days-36) Allotted Period-16

1st Paper : Chapter 1-Safe Use of Laboratory (Revision)

Chapter 2 - Qualitative Chemistry (Revision)

Chapter 3 - Periodic Properties and Chemical Bonding of elements (Full)

2nd Paper : Chapter 1- Environmental Chemistry (Full)

Class Test-1 & Class Test-2 Syllabus included.

Marks Distribution of First Terminal Examination

a. Class Test-1 - 20	}	40 ÷ 2 = 20
b. Class Test-2 - 20		
c. Class Attendance		05
d. 1 st Terminal Exam(Theoretical) Creative		50
MCQ		25
Total		100

Marks Distribution (Theoretical)

a. Creative question – 50 marks

Five question are to be answered out of Eight
(Each of the question carries 10 marks)

b. MCQ -25 Marks

Each of the question has equal value and carries 01 mark

Annual Examination

Total Working Days- 69, Allotted Period- 40

Class Test-3 (Working Days-28) Allotted Period-18

1st Paper : Chapter 4- Chemical Change (From beginning to Relation between K_p & K_c)

2nd Paper : Chapter 3- Quantitative Chemistry (Full)

Annual Examination Working Days-28) Allotted Period-22

1st Paper : Chapter 2 - Organic Chemistry

Chapter 4- Chemical Change (Revision)

Chapter 5- Vocational Chemistry (Revision)

2nd Paper: Chapter 1- Environmental Chemistry

Chapter 3- Quantitative Chemistry (Revision)

Chapter 4- Electro Chemistry

Marks Distribution of Annual Examination

Class test-3	20
Class Attendance	05
Annual Examination (Theoretical)-	Creative- 50 MCQ- 25
Practical-25 (Theoretical-75+Practical-25) = 100 Number converted to	
Total	100

Marks Distribution (Theoretical)

a. Creative question – 50 marks

Five question are to be answered out of Eight
(Each of the question carries 10 marks)

b. MCQ -25 Marks

Each of the question has equal value and carries 01 mark

Marks Distribution(Practical)

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

Pre-Test Examination

Total Working Days- 64, Allotted Period-40

Pre Test Examination (Working Days-64) Allotted Period-40

1st & 2nd Paper : All chapters

Marks Distribution of Pre Test Examination

Class Attendance =	05
Pre Test examination: (Theoretical)-	Creative- 50 MCQ- 25
(Theoretical-75+Practical-25) = 100 Number converted to	
Total	100

Marks Distribution (Theoretical)

a. Creative question – 50 marks

Five question are to be answered out of Eight
(Each of the question carries 10 marks)

b. MCQ -25 Marks

Each of the question has equal value and carries 01 mark

Test Examination

Total Working Days- 64, Allotted Period-28

Test Examination (Working Days-41) Allotted Period-32

1st & 2nd Paper : All chapters

Marks Distribution of Test Examination

** The test Examination will be conducted separately in Full chapters of the first paper and the second paper.

a. Practical 25

b. Theoretical – Creative - 50
MCQ -25 }

75
Total = 100

Marks Distribution (Theoretical)

a. Creative question – 50 marks

Five question are to be answered out of Eight
(Each of the question carries 10 marks)

b. MCQ -25 Marks

Each of the question has equal value and carries 01 mark

Marks Distribution (Practical)

1. Experiment (2 Experiment)

8+7 = 15

2. Note Book

= 05

3. Viva

= 05

25
Total = 25

List of Books Chemistry

(First paper & Second Paper-Class XI & XII)

a. Mahbub Hasan Lingcon

b. Haradhon Nag

c. Sanjit Kumar Guha

d. Md. Abu Salek (Peash Publication)

e. Swapan Kumar Mistry

f. Dr. Ahsanul Kabir

* **Practical Book :**

1. Md. Abu Salek (Peash Publication)

2. Swapan Kumar Mistry

Subject: Biology 1st & 2nd Paper

First Term Exam

Total Working Days: 76, Periods: 48

Class test-1 (Working Days-20) periods- 16

1st Paper : 1st Chapter - Cell and it's Structure

2nd paper : 1st Chapter - Animal Diversity and Classification

Class test-2 (Working Days-20) periods- 16

1st Paper : 2nd Chapter - Cell division

2nd paper : 2nd Chapter - Introduction to animal (Hydra, Grasshopper)

Syllabus of Class test-1 will be included in Class test-2

Half Yearly exam (Working Days-36) periods- 16

1st Paper : 3rd Chapter - Cell chemistry

2nd Paper : 2nd Chapter -: Introduction to Animal (Rohu fish) and

3rd Chapter Human physiology: Digestion and absorption

Class Test -1 and Class Test - 2 Syllabus included

Marks distribution for first terminal Examination

Class test- 1 20 } 40÷2=20

Class test- 2 20 }

Class attendance =05

Half Yearly exam (theoretical) : Creative } 50

MCQ- 25 } =75

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

01 × 25 = 25

Total theoretical marks = 75

Annual Examination

Total Working Days: 69, Periods: 40

Class test- 3 (Working Days-18) periods- 14

1st Paper : 4th Chapter - Microorganisms

2nd Paper : 4th Chapter - Human physiology: Blood and Blood Circulation

Annual Exam (Working Days-51) periods- 26

1st Paper : 5th Chapter - Algae and Fungi

6th Chapter – Bryophyta and Pteridophyta

2nd Paper : 5th Chapter - Human physiology: Breathing and Respiration

6th Chapter - Human physiology: Waste and Excretion
Revision of Previous Chapter

Marks distribution for annual examination

Class test- 3	20	=20
Class attendance		=05
Annual exam (theoretical) : Creative - 50	} MCQ- 25	=75
		<u>Total = 100</u>

Marks distribution for Practical exam

1. Dissection and Identification	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 x10= 50
- B) MCQ - 25
Marks 25 questions are to give.
Each of the questions has equal value and carries 01 marks $\frac{1 \times 25 = 25}{\text{Total} = 75}$

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 Malvaceous 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: 64, Periods: 40

Pre- test exam (Working Days-64) periods- 40

- 1st Paper : 7th Chapter - Gymnospermic and Angiospermic plants
8th Chapter - Tissue and Tissue System
9th Chapter- Plants Physiology
- 2nd Paper: 7th Chapter -Human physiology: Locomotion and body movement
8th Chapter - Human physiology: Co-ordination and Control
11th Chapter - Genetics and Evolution

Marks Distribution of Pre Test Examination

Class Attendance	=	05
Pre Test examination: (Theoretical)-	Creative- 50 } MCQ- 25 }	
(Theoretical-75+Practical-25) = 100	Number converted to	95
		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 x10= 50
- B) MCQ - 25 marks
25 questions are to give. Each of the questions has equal value and carries 01 marks $\frac{1 \times 25 = 25}{\text{Total} = 75}$

Test Examination

Total Working Days: 64, Periods: 28

Test Exam (Working Days-64) periods- 28

- 1st Paper : 10th Chapter - Plant reproduction
11th Chapter - Biotechnology
12th Chapter – Environment, Distribution and Conservation of Organisms
- 2nd Paper : 9th Chapter - Continuation of human life
10th Chapter - Immune system of human body
12th Chapter -Animal behavior
- *** First paper and second paper questions will make separately on entire syllabus.

Marks distribution for test examination

Practical	25	
Annual exam (theoretical) : creative -50	} MCQ-25 }	75
		<u>75</u>
		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 x10= 50
- B) MCQ - 25 marks
25 questions are to give. Each of the questions has equal value and carries 01 marks $\frac{1 \times 25 = 25}{\text{Total} = 75}$

Marks distribution of practical exam

Dissection And 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 biology books (1st & 2nd Paper)

Biology 1st paper

1. Prof. Mahfuja Haque - Lecture Publication
2. Prof. Dr Md. Azibor Rahman - Akkar Patra
3. Dr. Md. Abdul Alim- Mobin Publications
4. Cambridge International AS & A Level Biology- Collins

Biology 2nd paper

1. Dr. Md. Abdul Alim- Mobin Publications
2. Dr. Ashfaul Muid Khandaker - Lecture Publication
3. Prof. Dr. Noor-E-Parvin Khanom- Akkar Patra

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

Higher Mathematics 1st & 2nd Paper (English Version)

Half yearly Exam

Total Working Days – 76 Days, Allotted Period – 48

Class Test – 1 (Working Days – 20) Allotted Periods – 16

1st Paper : 1st Chapter – Matrix and Determinants [Exercise:-1.1 - 1.2]
3rd Chapter – Straight Lines (Exercise- 3.1 - 3.5]

Class Test-2 (Working Days-20) Allotted Periods-16

1st Paper : 3rd Chapter- Straight Lines [Exercise:-3.6 - 3.7]
7th Chapter – Trigonometric Ratios of Associated Angels
[Exercise -7.1 - 7.7]

Revision of Class Test-1

Half Yearly Examination (Working Days-36) Allotted Periods-16

Syllabus of Class Test-1: and Class Test-2:

1st Paper : 4th Chapter – Circle (Exercise-4.1 – 4.2]

2nd Paper : 7th Chapter – Inverse Trigonometric Function &

Trigonometric Equations (Ex-7.1-7.2]

1st Paper: 7th Chapter-(Exercise 7.7)

Marks Distribution of Half Yearly Examination

Class Test -1	20		40÷2=20
Class Test -2	20		
Class Attendance			=05
Half Yearly (Theoretical)- Creative- 50	}		= 75
MCQ - 25			
			<u> </u>
			Total= 100

Marks Distribution Of Theoretical Examination

a) Creative Question – 50 Marks	
Five out of Eight Questions are to be answered	
Each question carries 10 marks	= 50
b) MCQ-	25 Marks
c) All 25 questions are to be answered.	
Each question carries 01 mark.	= 25
Total= 75	

Annual Examination

Total Working Days-69 Days, Allotted Period-40

Class Test -3 (Working Days-18) Allotted Periods-14

1st Paper : 8th Chapter : Function and Graph of Functions Exercise-8
6th Chapter : Conics [Exercise: -6.1 - 6.3]

Annual Examination (Working Days-51) Allotted Periods -26

1st Paper : 5th Chapter- Permutation & Combination [Exercise-5.1-5.2]
9th Chapter- Differentiation [Exercise: 9.1- 9.9]
2nd Paper: 5th Chapter- Binomial Expansion [Exercise 5.1-5.2]
Revision of Class Test 3

Marks Distribution of Annual Examination

Class Test -3	20	=20
Class Attendance		=05
1 st Term (Theoretical)- Creative- 50	}	= 75
MCQ- 25		
		<u>Total= 100</u>

Marks Distribution of Theoretical Examination

a) Creative Question – 50 Marks	
b) Five out of Eight Questions are to be answered.	
c) Each Question carries 10 marks	= 50
d) MCQ-25 Marks All 25 questions are to be answered,	
each question Carries 01 mark	= 25
Total= 75	

Pre-Test Examination

Total Working Days – 64 Days, Allotted Period-40 Days

Pre-test (Working Days-64) Allotted Periods – 40

1st Paper: Integration

2nd Paper: 1st Chapter – Real Numbers and Inequalities [Exercise-1.1-1.2]

2nd Chapter-Liner Programming (Exercise -2)

3rd Chapter – Complex Numbers [Exercise: 03]

8th Chapter – Statics [Exercise:8.1-8.3]

10th Chapter- Measures of Dispersion & Probability

Marks Distribution of Pre Test Examination

Class Attendance	=	05
Pre Test examination: (Theoretical)-	Creative- 50	}
	MCQ- 25	
(Theoretical-75+Practical-25) = 100 Number converted to		95
Total		100

Marks Distribution of Theoretical Examination

a) Creative Question – 50 marks

Total 8 Question will be given. Out of them any 5 question are to be answered. Each question carries 10 marks = 50

b) MCQ-25 Marks Total 25 question will be given

All 25 questions are to be answered,
each questions Carries 01 mark
= 25
Total= 75

Test Examination

Total Working Days -64, Days Allotted Period-28 Days

Test Exam (Working Days-64) Allotted Periods-28

1st Paper: 2nd Chapter – Vectors [Exercise-2]

6th Chapter – Trigonometric Ratios [Exercise :6.1-6.3]

2nd Paper : 4th Chapter – Polynomial and Polynomial Equations
[Exercise: 4.1-4.2]

9th Chapter – Motion of particles in a Plane [Exercise- 9.1-9.4]

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.

1st Paper & 2nd Paper Practical

3. Theoretical = 25

Creative- 50	}	<u>= 75</u>
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 questions carries 10 Marks =50

b) MCQ-25 Marks

25 questions are to be answered out of 25 MCQ,

each questions 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		
Presentation of results with explanation			=05
Viva Voice-			=05
Practical Note Book-			=03
Total			= 25

* Test Exam will be held on 200 mark in 1st and 2nd paper according to the education board.

List of Books

Name of Books Higher Mathematics 1st Paper :

1. Asim Kumar Saha & others. Akkhar Patra Publication
2. Md. Rafiqul Islam, Kazi Kamruzzaman & Others. Ruponti Publication.
3. M.A Jabbar and S.U Ahmed
4. Md. Nazrul Islam and Md Ketab Uddin
5. A.T.S.M Masudul Hakim, Md. Abdul Mannan Khan & others. Sectec Publication.

Name of Books Higher Mathematics 2nd Paper :

1. Asim Kumar Saha & others. Akkhar Patra Publication