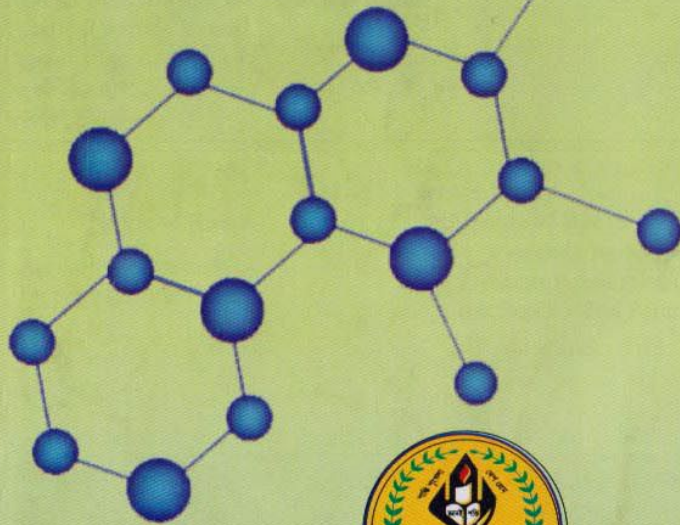




$$E=mc^2$$



Cantonment Public School and College Momenshahi

SYLLABUS

Class: Eleven-Twelve

Session : 2024-2025

Science Group (English Version)



Cantonment Public School and College Momenshahi

বিষয়: বাংলা (আবশ্যিক) প্রথম পত্র ও দ্বিতীয় পত্র
১ম সাময়িক পরীক্ষা
মোট কার্য দিবস- ৮৩ দিন
নির্ধারিত পিরিয়ড- ৬৮

ক্রাস টেস্ট- ১ : কার্য দিবস-২৬ দিন, নির্ধারিত পিরিয়ড- ২০

ক। বাঙ্গালার নব্য লেখকদিগের প্রতি নিবেদন	০৪ পিরিয়ড
খ। বিভীষণের প্রতি মেঘনাদ	০৪ পিরিয়ড
গ। উপন্যাস (লালসালু) প্রথম এক চতুর্থাংশ	০৬ পিরিয়ড
ঘ। নাটক (সিরাজউদ্দৌলা) ১ম অঙ্ক	০৬ পিরিয়ড
	২০ পিরিয়ড

কুইজ-১ কার্য দিবস-৩৫ দিন, নির্ধারিত পিরিয়ড-২৮

ক। অপরিচিতা	০৬ পিরিয়ড
খ। বিলাসী	০৪ পিরিয়ড
গ। সোনার তরী	০৪ পিরিয়ড
ঘ। বিদ্রোহী	০৫ পিরিয়ড
ঙ। উপন্যাস (লালসালু) দ্বিতীয় এক চতুর্থাংশ	০৯ পিরিয়ড
	২৮ পিরিয়ড

১ম সাময়িক পরীক্ষা : কার্য দিবস-২২ দিন, নির্ধারিত পিরিয়ড-২০

ক। গৃহ	০২ পিরিয়ড
খ। আহ্বান	০২ পিরিয়ড
গ। আমার পথ	০৩ পিরিয়ড
ঘ। প্রতিদান	০২ পিরিয়ড
ঙ। সুচেতনা	০২ পিরিয়ড
চ। তাহারেই পড়ে মনে	০৪ পিরিয়ড
ছ। রিভিশন ক্রাস	০৫ পিরিয়ড
	২০ পিরিয়ড

১ম সাময়িক পরীক্ষার সিলেবাসে ক্রাস টেস্ট-১ ও ২ এর সিলেবাস অন্তর্ভুক্ত হবে।

মানবন্টন :

ক। ক্রাস টেস্ট-১	-২০	
খ। ক্রাস টেস্ট-২	-২০	
গ। ক্রাসে উপস্থিতি-		-০৫
ঘ। ১ম সাময়িক পরীক্ষা-১০০, রূপান্তরিত হবে		-৭৫
		৮০ ÷ ২ = ২০

১ম সাময়িক পরীক্ষার মানবন্টন :

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 ৩ টি উদ্দীপকের = ২ টির উত্তর দিতে হবে।	১০×২ = ২০
	মোট = ৭০
বহুনির্বাচনী	= ৩০

মোট = ১০০ নম্বর

বার্ষিক পরীক্ষা
মোট কার্য দিবস- ৮২ দিন
নির্ধারিত পিরিয়ড-৬১

ক্রাস টেস্ট- ৩ : কার্য দিবস-২৮ 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 (লালসালু) তৃতীয় এক চতুর্থাংশ	০৬ পিরিয়ড
	১৬ পিরিয়ড

ক্রাস টেস্ট- ৪ : কার্য দিবস-২০ দিন, নির্ধারিত পিরিয়ড- ১৭

ক। বায়ান্নর দিনগুলো	০৩ পিরিয়ড
খ। ফেব্রুয়ারি ১৯৬৯	০৩ পিরিয়ড
গ। আমি কিংবদন্তির কথা বলছি	০৩ পিরিয়ড
ঘ। নাটক (সিরাজউদ্দৌলা) ২য় অঙ্ক	০৮ পিরিয়ড
	১৭ পিরিয়ড

বার্ষিক পরীক্ষা : কার্য দিবস-৩৪ দিন, নির্ধারিত পিরিয়ড-২৮

ক। রেইনকোট	০২ পিরিয়ড
খ। মহাজাগতিক কিউরেটর	০২ পিরিয়ড
গ। নেকলেস	০৩ পিরিয়ড
ঘ। নূরলদীনের কথা মনে পড়ে যায়	০৪ পিরিয়ড
ঙ। ছবি	০৬ পিরিয়ড
চ। উপন্যাস (লালসালু) সম্পূর্ণ	০৫ পিরিয়ড
ছ। নাটক (সিরাজউদ্দৌলা) সম্পূর্ণ	০৬ পিরিয়ড
	২৮ পিরিয়ড

বার্ষিক পরীক্ষা : ক্রাস টেস্ট-৩ ও ৪ বার্ষিক পরীক্ষার সিলেবাসে অন্তর্ভুক্ত হবে।

মানবন্টন : ১ম সাময়িক পরীক্ষার অনুরূপ।

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

ক্রাস টেস্ট- ৫ : কার্য দিবস-২৫ 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 : কার্য দিবস-৩০ দিন, নির্ধারিত পিরিয়ড- ২৭

ক। ব্যাকরণিক শব্দ শ্রেণি- ক্রিয়া, ক্রিয়া বিশেষণ, আবেগ শব্দ, যোজক, অনুসর্গ	০৫ পিরিয়ড
খ। বাংলা শব্দগঠন (উপসর্গ, প্রত্যয়)	০৩ পিরিয়ড
গ। বাক্যতত্ত্ব	০৩ পিরিয়ড
ঘ। বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধপ্রয়োগ	০৩ পিরিয়ড
ঙ। পারিভাষিক শব্দ (A-N পর্যন্ত)	০২ পিরিয়ড
চ। বৈদ্যুতিন চিঠি, পত্রলিখন	০৩ পিরিয়ড
ছ। সারাংশ, ভাবসম্প্রসারণ	০৩ পিরিয়ড
জ। সংলাপ, খুদেগল্প	০৩ পিরিয়ড
ঝ। প্রবন্ধ রচনা	০২ পিরিয়ড
	২৭ পিরিয়ড

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

মানবন্টন :

ক। ক্রাস টেস্ট-৫	-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
২। বাংলা বানানের নিয়ম	-০৫
৩। ব্যাকরণিক শব্দশ্রেণি	-০৫
৪। শব্দগঠন (উপসর্গ, প্রত্যয়)	-০৫
৫। বাক্যতত্ত্ব	-০৫
৬। বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধপ্রয়োগ	-০৫
	মোট = ৩০ নম্বর

নির্মিতি - ৭০

৭। পারিভাষিক শব্দ অথবা বঙ্গানুবাদ	-১০
৮। দিনলিপি অথবা ভাষণ	-১০
৯। বৈদ্যুতিন চিঠি, পত্রলিখন	-১০
১০। সারাংশ অথবা ভাবসম্প্রসারণ	-১০
১১। সংলাপ অথবা খুদেগল্প	-১০
১২। প্রবন্ধ রচনা	-২০

= ৭০ নম্বর
মোট = ১০০ নম্বর

নির্বাচনি পরীক্ষা
মোট কার্য দিবস- ৪১ দিন
নির্ধারিত পিরিয়ড-২৫

ক। বাংলা শব্দগঠন (সমাস)	০৫ পিরিয়ড
খ। পারিভাষিক শব্দ (O-Z)	০২ পিরিয়ড
গ। অভিজ্ঞতা বর্ণনা, প্রতিবেদন রচনা	০৪ পিরিয়ড
ঘ। খুঁজে বার্তা, আবেদন পত্র	০৪ পিরিয়ড
ঙ। সারমর্ম	০৩ 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 উপর আলাদাভাবে
(বোর্ড পরীক্ষার প্রশ্ন অনুযায়ী) অনুষ্ঠিত হবে

পাঠ্যপুস্তক তালিকা

বাংলা (প্রথম পত্র ও দ্বিতীয় পত্র - একাদশ ও দ্বাদশ শ্রেণি)

প্রথম পত্র

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

দ্বিতীয় পত্র

১। বাংলা ব্যাকরণ ও নির্মিতি (বিরচন)	ড. অনিরুদ্ধ কাহালি
২। উচ্চতর বাংলা ব্যাকরণ ও রচনা শৈলী	ড. গিয়াস শামীম ড. নাজমুল হক
৩। বাংলা ভাষা শিক্ষণ ব্যাকরণ ও নির্মিতি	ড. বিশুজিৎ ঘোষ
৪। প্রমিত বাংলা ব্যাকরণ ও নির্মিতি	ড. হায়াৎ মামুদ ড. মোহাম্মদ আমীন
৫। উচ্চতর স্বনির্ভর বিশুদ্ধ ভাষা-শিক্ষা	ড. হায়াৎ মামুদ (পরিমার্জনা)
৬। বাংলা ব্যাকরণ ও নির্মিতি	যতীন সরকার
৭। ব্যবহারিক বাংলা ব্যাকরণ ও নির্মিতি	মোহাম্মদ মিজানুর রহমান সরকার
৮। উচ্চতর বাংলা ব্যাকরণ ও নির্মিতি	অধ্যাপক নিরঞ্জন অধিকারী

ENGLISH 1st PAPER & 2nd Paper

1ST TERMINAL EXAM

Total Working Days: 83

Allocated Periods 69

1st Class Test (Working Days 26) Allocated Periods 23

English for Today	
Unit 1 People or Institutions Making History	11
Unit 2 Dreams	
Grammar: Synonym/Antonym	04
Special Use of Words/Phrases	04
Writing Part: Paragraph	04

Class Test-2 (Working Days 35) Allocated Periods 26

English for Today	
Unit 3 Lifestyle	
Unit 4 Adolescence	18
Unit 5 Youthful Achievers	
Grammar : Completing Sentence	06
Revision of class test-1	
Writing Part: E-mail	02

1st Terminal Exam (Working Days 22) Allocated Periods 20

English for Today	
Unit 6 Relationships	
Unit 7 Human Rights	13
Unit 8 Peace and Conflict	
Rearrangement	02
Grammar: Modifiers	02
Writing Part: Graph writing, Theme writing, Story writing	03

*** Revision of Class test Syllabus

Marks Distribution of First Term Exam

1st Class Test	20	40÷2= 20 Marks
2nd class test	20	
Class Attendance		5 Marks
Written Exam (100 Marks) converted into		75 Marks
		Total= 100 Marks

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, Letter/Email-5, Graph/chart-10, Paragraph-10)	Total 100 Marks

ANNUAL EXAM
Total Working Days:82
Allocated Periods:60

3rd Class Test (Working Days 28) Allocated Periods 14

English for Today	
Unit 9 Tours and Travels	
Unit 10 Environment and Nature	11
Grammar: Connectors	02
Writing Part: Completing story	01

4th class Test (Working Days 20) Allocated Periods 17

English for Today	
Unit 11 Art and Craft	
Unit 12 Education and Life	11
Grammar: Transformation of sentence	04
Writing Part: Theme writing	02

Revision of class test-2

Annual Exam (Working Days 34) Allocated Periods 29

English for Today	
Unit 13 Myths and Literature	10
Grammar: Right Form of Verbs; Transformation of Sentences	14
Synonyms & Antonyms; Article, Preposition	
Writing Part: Paragraph, Graph writing, E-mail	05

*** Revision of 1st, 2nd 3rd & 4th Class Test Syllabus**Marks Distribution of First Term Exam**

3rd Class Test	20	40÷2= 20 Marks
4th class test	20	
Class Attendance		5 Marks
Written Exam (100 Marks) converted into		75 Marks
		Total= 100 Marks

Marks Distribution of year final exam

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

Total 100 Marks

PRE-TEST EXAM

Total Working Days: 55

Allocated Periods:38

5th class test (Working Days 25) Allocated Periods 13

Grammar Pronouns, Modifiers, Narration	10
Writing Part: Report writing	03

Marks Distribution

1. Comprehension based question	15 marks
2. Guided Writing	05 marks

Pre-Test Exam (Working Days 30) Allocated Periods 25

Grammar: All grammatical items	19
Writing Part : Paragraph, Composition, E-mail, Report Application, Letter	06
*** Revision of Quiz Test Syllabus	

Marks Distribution of Pre-Test Exam

Class Test-3 (20 Marks)	20 Marks
Class Attendance	5 Marks
Written Exam (100 Marks) converted into	75 Marks
	Total= 100 Marks

Marks Distribution of Pre-Test Exam

Part A: Grammar	60 Marks
Part B: Guided Writing	40 Marks
(Paragraph-10, Composition-14, Report-08, Application- 08)	
	Total 100 Marks

Test Examination

Total Working Days: 32

Allocated Periods 26

Test Exam. (Working Days 32) Allocated Periods 26

Revision of English 2nd Paper

Marks Distribution:

1. English 1st Paper	100 Marks
2. English 2nd Paper	100 Marks
	Total 200 Marks

**Recommended Book
Name of Book****1st Paper**

1. Text Book—English for Today Prescribed by NCTB

2nd Paper

* English Grammar & Composition Second Paper for Class XI & XII,

Published by NCTB

* 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' book can be taught :

1. English Grammar & Composition (For English 2nd paper)

Writers : Chowdhury and Hossain; Approved by NCTB

2. Textual Dictionary with Synonyms and Antonyms by Himachal Publication

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 day- 83 days

Allotted period -53

Class Test- 1 (Working Day- 26) Period-16

2nd Chapter : Up to Data transmission mode

Class=09

Third Chapter (First Portion): Number System (Up to 2's Complement)

Class=07

Class Test- 2 (Working Day-35) Period-22

Third Chapter (Second Portion) : Up to Basic gate

Class=22

2nd Chapter - Data transmission medium, wireless technology

First Term Examination (Working Day-22) Period-15

Second Chapter : Up to Network Device

Class=07

Third Chapter : Up to Universal Gate

Class=08

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 =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

Annual Exam

Total working day-82 days

Allotted period -42

Class Test- 3 (Working Day-28) Period-08

1. 2nd Chapter : Upto Mobile Generation

Class=08

Class Test-4 (Working Day-20) Period-12

4th Chapter: Full

Class=12

Revision of class test-3

Annual Exam (Working Day-34) Period-22

1st Chapter: Full

2nd Chapter: Full

3rd Chapter : Full

4th Chapter : Up to Website layout

Marks Distribution Of Annual Exam

Class Test -3 =20

60/3=20

Class Test -4 =20

Practical =20

Attendance = 05

Theory Creative Question=50 = 75

M.C.Q=25

Total =100

Marks Distribution of Practical Exam

1. Experiment (1) 10x1=10

2. Notebook 05

3. VIVA 05

Total= 20

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- 55 days

Allotted period -27

Class Test-5 (Working Day-25) Period-09

1. Fifth Chapter: Program Development cycle

Class=05

2. 6th Chapter: Up query

Class = 04

Pre-Test Examination (Working Day-30) Period-18

1. 6th Chapter: Full

Class =10

2. 5th Chapter: Up to loop statement

Class=08

Mark Distribution of Pre-Test Examination

Class Test -5	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 Day-41 days
Total period-20

Test Exam (Total working day-41) period-20

* Test exam is whole book

Mark Distribution of Test Examination

Practical exam	=25
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

** Practical Exam mark distribution:

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

List of reference Information and Communication Technology books

Class-XI-XII

* The books Published by NCTB are to be taught

* Besides, the books published according to the syllabus & creative pattern by NCTB may be taught.

* The following authors' books can be taught :

1. Information and Communication technology - AZM Asaduzzaman
2. Information and Communication technology - Md. Naimul Haque Niam and others
3. Information and Communication technology - Md. Mahfuzur Rahman & Md. Rasel Kabir
4. Information and Communication technology - Forhad Monjur and Others
5. Information and Communication technology - Mahabubur Rahman and Others
6. Information and Communication technology - Emdadul Karim and Others
7. Information and Communication technology - Norendro Nath and Others

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

Physics 1st & 2nd Paper

First Term Exam

Total working days-83 days
Allotted Period-58

Class Test-1 (Working days-26) Alloted Periods-21

First paper : 1 st Chapter - Physical world and Measurement	04 Periods
2 nd Chapter - Vector	09 Periods
10 th Chapter - Ideal Gas and Kinetic Theory of Gases	08 Periods

Class Test-2 (Working days-35) Alloted Periods-21

First paper : 3 rd Chapter - Dynamics	11 Periods
Second Paper: 1 st Chapter- Thermodynamics	10 Periods

1st Term Examination (Working days-22) Alloted Periods-16

First Paper : 4 th Chapter -Newtonian Mechanics	08 Periods
Second Paper: 6 th Chapter-Geometrical Optics	06 Periods

and repeation of Chapters of Class test-1 and Class test-2 02 Periods

Marks Distribution of 1st Term Examination

Class Test- 1	20	40÷2 =20
Class test-2	20	
Class Attendance		05
1 st Term (Theoretical) -	Creative- 50	
	MCQ- 25	75
		Total = 100

Marks Distribution of Theoretical Examination:

(a) Creative Question - 50 marks	
05 Questions are to be answered out of 08 creative Questions.	
Each Question carries 10 marks	50
(b) MCQ - 25 marks	
25 Questions are to be answered out of 25 MCQ.	
Each Question carries 01 mark	25
	Total= 75

Annual Examination
Total working days-82 days
Allotted Period-54

Class Test-3 (Working days-28) Alloted Periods-16

First Paper : 5 th Chapter – Work ,Energy & Power	07 Periods
Second Paper : 2 nd Chapter - Static Electricity	09 Periods

Class Test-4 (Working days-20) Alloted Periods-14

First Paper : 6 th Chapter - Gravitation and Gravity	06 Periods
Second Paper : 3 rd Chapter - Current Electricity	08 Periods

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

First Paper : 8 th Chapter - Periodic motion	09 Periods
Second Paper : 7 th Chapter - Physical Optics.	09 Periods
repeation of Chapters of first term examination, Class test-3 and Class test-4	06 Periods

Marks Distribution of Annual Examination

Class test-3	20	60÷3= 20
Class test-4	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	
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- 55 days
Allotted Period-38

Class Test-5 (Working days-25) Alloted Periods-14

First Paper : 9 th Chapter - Wave	06 Periods
Second Paper : 4 th Chapter-Magnetic Effects of electric Current and Magnetism	08 Periods

Pre-test (Working days-30) Alloted Periods-24

First Paper : 7 th Chapter - Structural Properties of Matter	08 Periods
Second Paper : 8 th Chapter-Introduction to Modern Physics	09 Periods
5 th Chapter- Electromagnetic Induction and Alternating current	07 Periods

Marks Distribution of Pre-test

Class test-5	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

Second 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

Mark Distribution of Practical Examination

01 Experiment: Theory-03	12
Use of instruments and data collection-05	
Calculation and analysis-04	
Result Presentation With Explanation	05
VIVA	05
Notebook	03

Total 25

Test Examination
Total working 41 days
Allotted Period-24

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

Second Paper: 9th Chapter - Atomic model and Nuclear Physics	06 Periods
10th Chapter - Semiconductor and Electronics	08 Periods
11th Chapter- Astronomy	04 Periods
Repeation	06 Periods

Marks Distribution of Test Examination

The test examination will cover all the chapters of both First and Second 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

List of Books.

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

<u>Name of books.</u>	<u>Name of Authors</u>
Physics- 1st & 2nd paper	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 & other
	(English Version)

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

Chemistry 1st & 2nd Paper

1ST TERMINAL EXAM

Total Working Days- 83

Allotted Period- 60

1. Class Test-1 (Working Days-32) Allotted Period-26

First Paper : Chapter one-Safe Use of Laboratory (Full)	07 Period
Chapter Two-Qualitative Chemistry (From beginning to electro magnetic radition, Hydrogen spectra)	10 Period

Second Paper : Chapter One- Environmental Chemistry (From beginning to Partial pressure)	09 Period
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2. Class Test-2 (Working Days-24) Allotted Period-19

First Paper : Chapter Two- Qualitative Chemistry (From Use of UV & IR ray to end)	09 Period
Chapter Three- Periodic Properties and Chemical Bonding of elements (From beginning to periodicpopterties of elements and properties of oxides of elements)	10 Period

3. 1st Terminal Examination (Working Days-27) Allotted Period-22

First Paper : Chapter One-Safe Use of Laboratory (Revision)	01 Period
Chapter Two-Qualitative Chemistry (Revision)	02 Period
Chapter Three- Periodic Properties and Chemical Bonding of elements (Revision)	09 Period

Second Paper : Chapter One- Environmental Chemistry(Full)	10 Period
Class Test-1 & Class Test-2 Syllabus included.	

Marks Distribution of First Terminal Examination

a. Class Test-1 -	20	$40 \div 2 = 20$
b. Class Test-2 -	20	
c. Class Attendance		05
d. 1st 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- 82

Allotted Period- 65

4. Class Test-3 (Working Days-28) Allotted Period-22

First Paper : Chapter Four- Chemical Change
(From beginning to Relation between Kp & Kc) 12 Period

Second Paper : Chapter Three- Quantitative Chemistry (Full) 10 Period

5. Class Test-4 (Working Days-26) Allotted Period-21

First Paper : Chapter Four- Chemical Change
(From ionic product of water to end) 13 Period

Chapter Five- Vocational Chemistry (Full) 08 Period

6. Annual Examination (Working Days-28) Allotted Period-22

First Paper : Chapter Four- Chemical Change(Revision) 04 Period

Chapter Five- Vocational Chemistry(Revision) 02 Period

Second Paper : Chapter Two- Organic Chemistry
(From beginning to Benzene) 12 Period

Chapter Three- Quantitative Chemistry(Revision) 04 Period

Class Test-3 & Class Test-4 Syllabus included.

Marks Distribution of Annual Examination

a. Class Test-3 - 20 $60 \div 3 = 20$

b. Class Test-4 - 20

c. Practical - 20

d. Class Attendance 05

e. Annual examination (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

Marks Distribution(Practical) :

1. Experiment $10 \times 1 =$ 10

2. Note Book = 05

3. Viva = 05

Total = 20

Pre-Test Examination

Total Working Days- 55

Allotted Period-41

7. Class Test-5 (Working Days-23) Allotted Period-15

Second Paper : Chapter Two- Organic Chemistry
(From organic reaction to Preparation & Identification) 10 Period

Chapter Four-Electro Chemistry
(From beginning to Galvanic cell) 05 Period

8. Pre Test Examination(Working Days-32) Allotted Period-26

Second Paper : Chapter Two- Organic Chemistry (Incomple Part) 10 Period

Chapter Four-Electro Chemistry (Incomple Part) 08 Period

Chapter Five-Economic Chemistry (Full) 08 Period

and Repetition of Chapters of Class Test-5

Marks Distribution of Pre Test Examination

a. Class Test-5 = 20

b. Class Attendance = 05

c. Pre Test examination: (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

Test Examination

Total Working Days- 41

Allotted Period-32

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

First Paper : Chapter Two-Qualitative Chemistry (Revision) 04 Period

Chapter Three- Periodic Properties and Chemical
Bonding of elements (Revision) 05 Period

Chapter Four- Chemical Change(Revision) 06 Period

Second Paper : Chapter One- Environmental Chemistry(Revision) 05 Period

Chapter Two- Organic Chemistry(Revision) 08 Period

Chapter Five-Economic Chemistry (Revision) 04 Period

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 75

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	

Marks Distribution(Practical):

1. Experiment (2 Experiment)	8+7 = 15
2. Note Book	= 05
3. Viva	= 05
	Total= 25

List of Books

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

*Must be read books approved by NCTB

*Also any book prepared according to the syllabus and creative method introduced by NCTB can be taught

*Books by the following authors can be read

- Mahbub Hasan Lingcon
- Haradon Nag
- Sanjit Kumar Guha
- Md. Abu Salek (Peash Publication)
- Swapan Kumar Mistry
- Dr. Ahsanul Kabir

*** Practical Book :**

- Md. Abu Salek (Peash Publication)
- Swapan Kumar Mistry

Biology 1st & 2nd Paper

First Term Exam

Total Working Days: 83

Allotted Periods: 60

Class test-1 (Working Days-26) periods- 20

First Paper : 1st Chapter - Cell and it's Structure	11 periods
Second paper : 1st Chapter - Animal Diversity and Classification	09 periods

Class test-2 (Working Days-35) periods- 24

First Paper : 2nd Chapter - cell division	08 periods
Second paper : 2nd Chapter - Introduction to animal (Hydra, Grasshopper)	16 periods
Syllabus of Class test-1 will be included in Class test-2	

1st term exam (Working Days-22) periods- 16

First Paper : 3rd Chapter - Cell chemistry	08 periods
Second Paper : 2nd Chapter - Introduction to Animal (Rohu fish) and 3rd Chapter Human physiology: Digestion and absorption	08 periods

Marks distribution for first terminal Examination

Class test- 1	20	40/2=20
Class test- 2	20	
Class attendance		=05
1st term 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

5x10= 50

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01

01x 25= 25

Total theoretical marks= 75

Annual Examination

Total Working Days: 82

Allotted Periods: 55

Class test- 3 (Working Days-28) periods- 15

First Paper : 4th Chapter - Microorganisms	08 periods
Second Paper : 4th Chapter - Human physiology: Blood and Blood Circulation	07 periods

Class test- 4 (Working Days-20) 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-3 will be included in Class test- 4	

Annual Exam (Working Days-34) periods- 24

First Paper : 6th Chapter – Bryophyta and Pteridophyta	10 periods
Second Paper : Chapter - Human physiology: Waste and Excretion And Revision of Previous Chapter	14 periods

Marks distribution for annual examination

Class test- 3	20	60÷3=20
Class test- 4	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 x 10 = 50

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks

1 x 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: 55

Allotted Periods: 33

Quiz 5 (Working Days-25) periods- 13**First Paper :** 7th Chapter - Gymnosperms and Angiosperms plants 07 periods**Second Paper :** 7th Chapter - Human physiology: Locomotion and body movement 06 Periods**Pre- test exam (Working Days-30) periods- 20****First Paper :** 8th Chapter - Tissue and Tissue System 04 periods

9th Chapter - Plants Physiology 06 periods

Second Paper : 8th Chapter - Human physiology: Co-ordination and Control 05 periods

11th Chapter - Genetics and Evolution 05 periods

and Repetition of Chapters of Class Test-5

Marks distribution for pre-test examination

Quiz- 5 = 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 x 10 = 50

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks

1 x 25 = 25

Total = 75

Test Examination

Total Working Days: 41

Allotted Periods: 24

Test Exam (Working Days-41) periods- 24**Frist Paper :** 10th Chapter - Plant reproduction

03 periods

11th Chapter - Biotechnology

05 periods

12th Chapter – Environment, Distribution and Conservation

of Organisms

04 periods

Second Paper : 9th Chapter - Continuation of human life

03 periods

10th Chapter - Immune system of human body

05 periods

12th Chapter - Animal behaviour

04 periods

***** First paper and second paper questions will make separately on entire syllabus.****Marks distribution for test examination**

Practical 25

Annual exam (theoretical) : creative -50 75

MCQ-25

Total = 100

Marks distribution for theoretical exam:

A) Creative questions – 50 marks.

Out of 8 questions any 5 have to write.

Each of the questions carries 10 marks.

5 x 10 = 50

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks

01 x 25 = 25

Total = 75

****Marks distribution of practical exam:**

Dissection And Identification 17

Viva Voce 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)**Name of the book****Biology 1st paper**

Class : 11-12

Name of the author

1. Dr Md. Abdul Alim
2. Parnbandhu Biswas
3. Prof. Dr Md. Azibor Rahman
4. Prof. Mahfuja Haque
5. Md. Mizanur Rahman

Name of the book**Biology 2nd paper**

Class : 11-12

Name of the author

1. Dr. Md. Abdul Alim
2. Prof. Meghnad Saha
3. Prof. Dr. Noor-E-Parvin Khanom
4. Prof. Md. Ashraf Uddin and others
5. Prof. Md. Nazim Uddin

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

Higher Math 1st & 2nd Paper**First Term Exam**

Total Working Days – 83 Days

Allotted Period – 70 Days

Class Test – 1 (Working Days – 26) Allotted Periods – 22**1st Paper : 1st Chapter – Matrix and Determinants**

[Exercise:-1.1-1.2]

10 Periods

3rd Chapter – Straight Lines (Exercise- 3.1-3.5)

12 Periods

Class Test-2 (Working Days-35) Allotted Periods-28**1st Paper : 3rd Chapter- Straight Lines [Exercise:-3.6-3.7]**

12 Periods

7th Chapter – Trigonometric Ratios of Associated Angles

[Exercise -7.1-7.7]

16 Periods

Revision of Class Test-1

1st Term Examination (Working Days-22) Allotted Periods-20**Syllabus of Class Test-1 and Class Test-2:****1st Paper : 4th Chapter – Circle (Exercise-4.1 – 4.2)**

10 Periods

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

Trigonometric Equations (Ex-7.1-7.2)

10 Periods

Marks Distribution of 1st Term ExaminationClass Test -1 20 $40 \div 2 = 20$

Class Test -2 20

Class Attendance =05

1st Term (Theoretical)-

Creative- 50

MCQ- 25

= 75

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-82 Days

Allotted Period-55

Class Test -3 (Working Days-28) Allotted Periods-14**1st Paper : 8th Chapter : Function and Graph of Functions**

Exercise-8]

06 Periods

6th Chapter : Conics [Exercise:-6.1-6.3]

08 Periods

Class Test-4 (Working Days-20) Allotted Periods-16**1st Paper : 9th Chapter- Differentiation [Exercise: 9.1- 9.9]**

10 Periods

5th Chapter – Permutations and Combinations [Exercise – 5.1-5.2]

06 Periods

Revision of Class Test-3

Annual Examination (Working Days-34) Allotted Periods -25**1st Paper : 10th Chapter – Integration [Exercise- 10.1-10.7]**

13 Periods

2nd Paper : 5th Chapter- Binomial Expression [Exercise-5.1-5.2]

12 Periods

Revision of Class Test 1,2,3 and 4

Marks Distribution of 1st Term ExaminationClass Test -3 20 $60 \div 3 = 20$

Class Test -4 20

Practical- 20

Class Attendance =05

1st Term (Theoretical)-

Creative- 50

MCQ- 25

= 75

Total= 100

Marks Distribution of Theoretical Examination

a) Creative Question – 50 Marks

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 – 55 Days

Allotted Period-35 Days

Class Test -5 (Working Days-25) Allotted Periods-13

2nd Paper: 1st Chapter – Real Numbers and Inequalities

[Exercise- 1.1 – 1.2]

08 Periods

10th Chapter- Measures of Dispersions &

Probabilities {Exercise- 10.1-10.2}

05 Periods

Pre-test (Working Days-30) Allotted Periods – 22

Full Syllabus of class test-5

2nd Paper : 2nd Chapter-Linear Programming (Exercise -2)

04 Periods

3rd Chapter – Complex Numbers [Exercise: 03]

06 Periods

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

12 Periods

and Repetition of Chapters of Class Test-5

Marks Distribution of Pre-Test

Class Test-5 =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 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 -41 Days

Allotted Period-20 Days

Test Exam. (Working Days-30) Allotted Periods-20

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

04 Periods

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

03 Periods

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

06 Periods

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

07 Periods

Full Syllabus of Previous Examination.

Marks Distribution of Test Examination

Test Examination will be held separately according to the full syllabus of 1st Paper and 2nd Paper book.

1st Paper & 2nd Paper

2. (a) Practical

4. Theoretical =25

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 questions carries 10 Marks =50

e) 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

Usage of Apparatus and Data Collection- 05 =12

Calculation and analysis-04

Presentation of results with explanation =05

Viva Voice- =05

Practical Note Book- =03

Total = 25

List of Higher Mathematics books (1st Paper)

Name of the book

Name of the author

Higher Mathematics (1st Paper)

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

Name of the book

Name of the author

Higher Mathematics (2nd Paper)

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

Statistics 1st & 2nd Paper

First Term Exam
Total Working Days- 83 Days
Allotted Period- 60

Class Test-1 : Working Days-26 Allotted Periods- 19 (Theory)

1st Paper : 1st Chapter- Statistics, Variable and Concept of Different Symbol 08 Periods

2nd Paper : 1st Chapter- Probability 11 Periods

Class Test-2 (Working Days-35) (Theory-20, Practical-5) Allotted Periods- 25

1st Paper : 2nd Chapter : Data Collection, Shortcutting and Presentation 10 Periods

Practical : 2nd Chapter ; Data Collection, Shortcutting and Presentation 05 Periods

2nd Paper : 2nd Chapter ; Random Variable and Probability Distribution 10 Periods

First Term Exam : (Working Days-22) (Theory-12, Practical-4) Allotted Periods-16

1st Paper : 1st Chapter- Statistics, Variable and Concept of Different Symbol (Revision) 01 Period

2nd Chapter : Data Collection, Shortcutting and Presentation (Revision) 01 Period

3rd Chapter : Central tendency 06 Periods

3rd Chapter : Practical : Central tendency 04 Periods

2nd Paper : 1st Chapter ; Probability 03 Periods

2nd Chapter : Random Variable and Probability Distribution (Revision) 01 Period

Marks Distribution of All Class Tests

Creative Questions-1 = 10

Comprehensive Question- 3x2= 06

Multiple Choice- 4x1= 04

Total = 20

Marks distribution for first terminal Exam

Class Test-1 20 Marks 40/2= 20

Class Test-2 20 Marks 40/2= 20

Class Attendance = 05

1st Term Exam- 75 CQ = 50

MCQ = 25

Total = 100

Annual Examination

Total Working Days- 82 Days

Allotted Periods- 54 Days

Class Test-3 : (Working Days-28) (Theory-11, Practical-4) Periods- 15

1st Paper : 4th Chapter- Dispersion 06 Periods

Practical : Dispersion 03 Periods

2nd Paper : 3rd Chapter- Mathematical Expectation 05 Periods

Practical : Mathematical Expectation 01 Period

Class Test-4 (Working Days-20) (Theory-14, Practical-4) Periods- 18

1st Paper : 5th Chapter : Moments, Skewness and Kurtosis 08 Periods

Practical : Moments, Skewness and Kurtosis 03 Periods

2nd Paper : 4th Chapter ; Binomial Distribution 06 Periods

Practical : Binomial Distribution 01 Period

Annual Exam : (Working Days-34) (Theory-24, Practical-6) Periods- 30

1st Paper : Revision of Chapter : 4, 5 12 Periods

Practical Chapter : 4, 5 03 Periods

2nd Paper : Revision of Chapter : 3, 4 12 Periods

Practical Chapter : 3, 4 03 Periods

Marks Distribution for Annual Examination

Class Test-3 -20 60/3= 20

Class Test-4 -20

Practical Exam. -20

Class Attendance = 05

Annual Exam (Theoretical): 75

Creative (CQ) = 50

MCQ = 25

Total = 100

Pre-Test Examination

Total Working Days- 55 Days

Allotted Periods- 32 Days

Class Test-5 : (Working Days-25) (Theory-9, Practical-3) Periods- 12

1st Paper : 6th Chapter : Correlation and Regression 05 Periods

Practical : Correlation and Regression 02 Periods

2nd Paper : 5th Chapter- Poisson Distribution 04 Periods

Practical : Poisson Distribution 01 Period

Pretest Exam : (Working Days-30) (Theory-20, Practical-5) Periods- 25

1st Paper : 7th Chapter : Time series 10 Periods

Practical : Time series 03 Periods

2nd Paper : 6th Chapter : Normal Distribution 10 Periods

Practical : Normal Distribution 02 Periods

[1st Paper : 6, 7 & 2nd Paper : 5, 6 are included in the Pre-Test Exam]

Marks Distribution for Pre-Test Examination

Class Test-5 = 20

Class Attendance = 05

Pre-Test Exam (Theoretical): 75

Creative (CQ) = 50

MCQ = 25

Total = 100

Marks Distribution for 75 Marks Examination Creative

A Group & B Group

(At least two from each group and total 5 questions) $10 \times 5 = 50$

MCQ $25 \times 1 = 25$

Total = 75

Test Examination

Total Working Days- 41 Days

Allotted Periods- 19 (Theory-14, Practical-5)

1st Paper : 8th Chapter : Published Statistics in Bangladesh	06 Periods
2nd Paper : 7th Chapter : Index number	02 Periods
Practical : Index number	02 Periods
8th Chapter : Sampling	03 Periods
Practical : Sampling	02 Periods
9th Chapter : Bio Statistics	03 Periods
9th Practical : Bio Statistics	01 Period
[1st Paper : All Chapters.	
2nd Paper : All Chapters.]	

Chapter Distribution of Creative Question For Test Examination

1st Paper : Creative

2nd Paper : Creative

A Group : Chapter- 1, 2, 3, 4

A Group : Chapter- 1, 2, 3, 8

B Group : Chapter- 5, 6, 7, 8

B Group : Chapter- 4, 5, 6, 7, 9

Marks Distribution for Test Examination

Practical = 25 Marks

Creative = 50 Marks

MCQ = 25 Marks

Total = 100 Marks

Practical Exam Marks Distribution

1st Paper :

SL	Questions	No Of Questions	Marks	Total Marks
1	Broad Problems	01	3+6+6+3	= 18
2	Note Books	-	02	= 02
3	Viva-Voce	-	05	= 05

Total = 25

2nd Paper :

SL	Questions	No Of Questions	Marks	Total Marks
1	Broad Questions	2 Questions out of 3	5	= 10
2	Project work		8	= 08
3	Practical Note Books		2	= 02
4	Viva-Voce		5	= 05

List of Books (1st & 2nd Paper) XI & XII

Total = 25

1. Md. Abdul Aziz
2. Md. Siddiqur Rahman
3. Professor Mohammad Elias
4. Md. Ahasanul Kabir (Mithu)

Agriculture Studies 1st & 2nd Paper First Term Examination

Total working Days-83, Allotted Period- 60

Class Test-1 (Total Working Days-26) Allotted Periods-16

First Paper: 1.1 Scope of Agriculture in Bangladesh 10 Periods
1.2 Source of Agricultural Information And Service of Bangladesh
1.2 Soil Acidity and Alkalinity
2.1 Reclamation to Soil

Second Paper: 1 Pisciculture
1.1 Rajputi and Nilotica
1.2 Shrimp Culture and Its Management

Class Test-2: (Working Days-35) Allotted Periods-24

First Paper: 2.2 Soil Erosion and Prevention 16 periods
Soil Conservation
Increase of Soil Fertility and Productivity
Irrigation and Its Management
Drainage system and Its Mangement
Transformation of Soil Structure

Second Paper: 1.3 Fish and Shrimp Preservation 8 periods
Shrimp Processing and Marketing
1.4 Safety Fish Preservation

First Term Exam (Working Days-22) Allotted Periods-20

First Paper: 3.1 Seed Production Technology 9 periods
Seed Processing and Preservation
3.2 Biofertilizer Production Technology
Ribbon Retting of Jute

First Paper: Revision of Class Test-1 and Class Test-2
Second Paper: Revision of Class Test-1 and Class Test-2
Practical 8 periods

First Paper:

1. Submit a report on the basis of a Farm visiting.
2. Submit a report on the basis of visiting a research institute
3. Identification of soil acidity and alkalinity
4. Collection of different kinds of soil, its identification and conservation
5. SRI method

Second Paper:

1. Preparation of balanced feed for fish and its applying method
2. Identification of fish
3. Identification of formalin
4. Identification of poultry variety
5. Submit a report on the basis of a poultry farm visiting.
6. Identification of healthy egg

Marks Distribution of First Term Exam

Class Test-1	20	40/2=20
Class Test-2	20	
Class Attendance		= 05
Theory (Creative Question)		=50
MCQ-		= 25

Total = 100

Annual Examination
Total Working Days-82
Allotted Period-54

Class Test-3 (Total Working Days 28) Allotted Periods-13

First Paper : 5.1 Cultivation Method of Cereal Crop	7 Periods
5.2 Cultivation Method of Sugar Crop	
Second Paper: 2.1 Poultry Rearing and Its Mangagement	6 Periods
2.2 Planning of Poultry Farming	

Class Test-4 (Working Days-20) Allotted Periods-16

First Paper : 5.5 Cultivation Method of Fiber Crops 6 Fruits and Vegetable Preservation and Processing	9 Periods
Second Paper: 2.3 Egg Hatching of Hen 2.4 Cock and Hen Rearing System	7 Periods

Annual Exam (Working Days-34) Allotted Periods-25

First Paper : 4 Concept of Agricultural Climate	9 Periods
Effect of Climate on Agriculture	
Elements of Agricultural Climate	
Revision of Class Test-3 and Class Test-4	
Second Paper: Revision of Class Test-3 and Class Test-4	9 Periods
Practical	7 Periods

First Paper :

1. Determination of Seed Purity
2. Purification of Seeds (Onion, Potato, Mustard)
3. Selection of Healthy Seed
4. Cultivation of Mashroom at Home
5. Measurement of Maximum and Minumum Temperature

Second Paper :

1. Production of Hen Chicks under Artificial and Natural way
2. Production of Concentrate Feed for Layer and Broiler
3. Production of Concentrate Feed for Quil
4. Processing of Straw with the help of Urea
5. Production of Urea Molasses Block
6. Identification of Pregnant Cow

Marks Distribution of First Term Exam

Class Test-3	20	60/3 = 20
Class Test-4	20	
Practical-	20	
Class Attendance		= 05
Theory (Creative Question)		= 50
MCQ		= 25

Total = 100

Pre-Test Exam
Total Working Days-55
Allotted Period-35

Class Test-5 (Total Working Days 25) Allotted Periods-14

First Paper: 4.2 Seasonal Climate on Agriculture	10 Periods
Discussion on Day Neutral Plants	
5.2 Cultivation Method of Pulse Crops	
5.4 Cultivation Method of Oil Crops	
Second Paper: 3.1 Livestock Rearing	04 Periods
3.2 Management of Dairy Farm	

Pre-test Examination (Working Days-30) Allotted Periods-21

First Paper: 5.6 Cultivation Method of Flower Crops	10 Periods
5.7 Cultivation Method of Fruit Crops	
5.8 Cultivation Method of Spices Crops	

First Paper: Revision of Class Test-5

Second Paper: 4.1 Afforestation	7 Periods
4.2 Types of Forest	
4.3 Sapling Transplanting and Afforestation	
4.4 Agricultural Economics and Co-operative	
5.2 Agricultural Credit	
5.3 Agricultural Co-operative	

Second Paper: Revision of Class Test-5

Practical	04 Periods
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First Paper:

1. Determination of Air Moisture
2. Identification of Different Types of Day Neutral Plant

Second Paper:

1. Inspection of Dairy Farm
 2. Plantation of Sapling in Educational Institute
- Presentation a Report on Inspection of Agricultural Fair and Tree Fair

Mark Distribution for Pre-Test Examination

Class Test-5	20	40/2=20
Practical-	20	
Class Attendance		= 05
Theory (Creative Question)		=50
MCQ		=25

Total = 100

Test Examination
Total Working Days-41, Allotted Period-20

First Paper: 3.4 Sericulture 07 Periods

3.5 Mushroom Culture

3.6 Apiculture and Honey Production Method

3.7 Artificial Insemination of Cattle

Second Paper: 2.5 Quil Rearing 07 Periods

2.6 Duck Rearing

2.7 Pigeon Rearing

NB: Full Syllabus of Previous Examination

Practical Exam: Full Syllabus of Previous Examination 07 Periods

Marks Distribution For Theoretical Exam

(a) Creative questions-50 Marks

Out of 8 questions any 5 have to be written

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

(b) MCQ-25 Marks

25 questions are to be answered Each of the questions has equal value and carries 01 Marks. $1 \times 25 = 25$

Total = 75

Marks Distribution for Practical Exam

Practical written Exam = 12

Presentation of Result = 05

Note Book = 03

Viva Voice- = 05

Total = 25

List of Reference Books

Name of Books	Name of Books
Agricultural Studies	1. Krishibid Forhad Ahammed
1st paper & 2nd Paper	(Abacus Publications, Dhaka)
	1st Paper + 2nd Paper