

## Halishahar Cantonment Public School & College

Name and Mobile Number of Respected Faculty of College Branch

Sl.	Post/Subject	Name	Code	Mobile
1	Vice Principal	Md. Saiful Islam	VP	01769-253173
2	Senior Lecturer (Acc.)	Md. Abdul Jalil	AJ	01760-405030
3	Senior Lecturer (English)	Md. Raisul Islam	RI	01672-015087
4	Senior Lecturer (Bangla)	Osman Faroque	OSF	01819-636510
5	Lecturer (Statistics)	Md. Sarafath Hossain	SH	01912-710107
6	Lecturer (Physics)	Abdul Mannan Chy	AMC	01814-075438
7	Lecturer (Management)	Golam Mustafa	GM	01914-796419
8	Lecturer (Finance)	Md. Mahabub Ahsan	MMA	01960-549420
9	Lecturer (Mathematics)	Sorowar Jahan Patawary	SJP	01815-352412
10	Lecturer (Economics)	Md. Saiful Islam Saimun	SIS	01718-782909
11	Lecturer (Biology)	Anjan Sarker	AS	01812-528956
12	Lecturer (Statistics)	Md. Abul Bashar	AB	01718-642958
13	Lecturer (Mathematics)	Sukanta Barua	SB	01814-169220
14	Lecturer (Accounting)	Md. Sofiqul Islam	MSI	01684-241944
15	Lecturer (Bangla)	Ananda Kumar Biswas	AKB	01686-304451
16	Lecturer (English)	Nazma Niger	NN	01924-286896
17	Lecturer (Physics)	Md. Abul Kalam Azad	AKA	01731-330375
18	Lecturer (Chemistry)	Mazharul Islam	MI	01312-100114
19	Lecturer (Chemistry)	Md. Harun or Rashid	HR	01710-442317
20	Lecturer (ICT)	Fakhre Alam Tanay	FA	01717-333264
21	Lecturer (Biology)	Md. Monirul Islam Basunia	MIB	01878949027
22	Demonstrator (Chemistry)	Md. Ayub Uddin	AU	01816-289608
23	Demonstrator (Physics)	Abdul Kader Miah	AK	01912-880038
24	Demonstrator (Biology)	Mithun Kumar Biswas	MKB	01723075432

# Halishahar Cantonment Public School & College

## Syllabus for 2025-2026

### Section – Science (EV)

#### Content

No	Subject	Page
1.	Bangla 1 <sup>st</sup> & 2 <sup>nd</sup> Paper	3
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3.	Information and Communication Technology	18
4.	Physics 1 <sup>st</sup> & 2 <sup>nd</sup> Paper	20
5.	Chemistry 1 <sup>st</sup> & 2 <sup>nd</sup> Paper	23
6.	Biology 1 <sup>st</sup> & 2 <sup>nd</sup> Paper	26
7.	Mathematics 1 <sup>st</sup> & 2 <sup>nd</sup> Paper	29

#### Student Details

Name: .....

Class: ..... Roll: .....

Version: ..... Section: .....

Phone: (Mother).....(Father).....

## বিষয়: বাংলা (আবশ্যিক) প্রথম পত্র ও দ্বিতীয় পত্র

## বিষয়: বাংলা (আবশ্যিক) প্রথমপত্র

ক্লাস টেস্ট- ১	
প্রথম পত্র	
গদ্য: ক। অপরিচিতা খ। যৌবনের গান	পদ্য: ক। সোনারতরী খ। বিদ্রোহী গ। লালসালু - প্রথম ৩৩ পৃ.

ক্লাস টেস্ট- ২	
প্রথম পত্র	
গদ্য: ক। বিলাসী খ। অর্ধাঙ্গী গ। বাংলা নব্য লেখকদিগের প্রতি নিবেদন	পদ্য: ক। আঠার বছর বয়স খ। ফেব্রুয়ারি ১৯৬৯ গ। তাহায়েই পড়ে মনে উপন্যাস: লালসালু (বাকি অংশ)

ক্লাস টেস্ট পরীক্ষার মানবন্টন (বাংলা প্রথম)	
সৃজনশীল প্রশ্ন :	(১০ × ২) = ২০
জ্ঞানমূলক	(১ × ৫) = ৫
	মোট = ২৫

অর্ধবার্ষিক পরীক্ষা	
গদ্য: ক। রেইনকোট খ। মাসিপিসি	কবিতা: ক। আমি কিংবদন্তির কথা বলছি খ। প্রতিদান

\*\* অর্ধবার্ষিক পরীক্ষার সিলেবাসে ১ম ও ২য় ক্লাস টেস্টের সিলেবাস অন্তর্ভুক্ত হবে ।

মানবন্টন:	
অর্ধবার্ষিক পরীক্ষার মান বন্টন (বাংলা প্রথম পত্র)	
প্রথমপত্র	
১। MCQ ৩০টি (গদ্য -১২টি,কবিতা-১২টি, উপন্যাস-৬টি)	(৩০×১) = ৩০
২। ৭ টি সৃজনশীল প্রশ্ন (গদ্য -৪টি,কবিতা-৩টি, উপন্যাস-৪টি) হতে	
প্রত্যেক বিভাগ থেকে কমপক্ষে ২টি সহ মোট ৭ টির উত্তর দিতে হবে	(৭×১০) = ৭০
	সর্বমোট = ১০০

ক্লাস টেস্ট- ৩	
প্রথমপত্র :	বাংলা ২য় পত্র:
গদ্য: ক। নেকলেস কবিতা: ক। বিভীষণের প্রতি মেঘনাদ	খ। গন্তব্য কাবুল খ। পদ্মা
	ক। পারিভাষিক শব্দ খ। অনুবাদ

ক্লাস টেস্ট পরীক্ষার মানবন্টন (বাংলা প্রথম ও দ্বিতীয় পত্র)	
সৃজনশীল প্রশ্ন :	(১০ × ১) = ১০
জ্ঞানমূলক	(১ × ৫) = ৫
পারিভাষিক / অনুবাদ	১০
	মোট = ২৫

## ক্লাস টেস্ট- ৪

<p><b>প্রথমপত্র :</b>  <b>গদ্য:</b> ক। কপিলদাস মুর্মুর শেষ কাজ  খ। জীবন ও বৃক্ষ  <b>কবিতা:</b>  ক। ঋতুবর্ণন।  খ। প্রত্যাবর্তনের লজ্জা</p>	<p><b>বাংলা ২য় পত্র:</b>  <b>ক। দিনলিপি :</b> (শুধু অনুশীলনের জন্য)  ১. কলেজে ভর্তি হয়ে হোস্টেলে ওঠার প্রথম দিনের অনুভূতির দিনলিপি।  ২. একুশে ফেব্রুয়ারি অনুষ্ঠানে যোগদানের অনুভূতি মিশ্রিত দিনলিপি।  ৩. কলেজ জীবনের প্রথম দিনের অনুভূতির দিনলিপি।  ৪. বৈশাখী মেলা ভ্রমণের দিনলিপি।  ৫. একজন মুক্তিযোদ্ধার দিনলিপি লেখ।  <b>খ। প্রতিবেদন:</b> (শুধু অনুশীলনের জন্য। পরীক্ষায় নাও আসতে পারে।)  ১. তোমার কলেজের গ্রন্থাগার সম্পর্কে একটি প্রতিবেদন তৈরি কর।  ২. কলেজ বার্ষিক বিতর্ক প্রতিযোগিতার অনুষ্ঠান সম্পর্কে প্রতিবেদন তৈরি কর।  ৩. অগ্নিকাণ্ডের ভয়াবহতার বর্ণনা দিয়ে প্রতিবেদন তৈরি কর।  ৪. বৈশাখী মেলা সম্পর্কে প্রতিবেদন তৈরি কর।  ৫. যানজট সমস্যার উপর একটি প্রতিবেদন কর।</p>
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## ক্লাস টেস্ট পরীক্ষার মানবন্টন (বাংলা প্রথম ও দ্বিতীয় পত্র)

সৃজনশীল প্রশ্ন :	(১০ × ১) = ১০
জ্ঞানমূলক	(১ × ৫) = ৫
দিনলিপি / প্রতিবেদন	১০
	মোট = ২৫

## বার্ষিক পরীক্ষা

<p><b>প্রথমপত্র :</b>  <b>গদ্য:</b> ক। সাহিত্যে খেলা  <b>কবিতা:</b> ক। সুচেতনা</p>	<p><b>বাংলা ২য় পত্র:</b> ক। সারাংশ / সারমর্ম  খ। <b>ভাবসমপ্রসারণ:</b> (শুধু অনুশীলনের জন্য। পরীক্ষায় নাও আসতে পারে।)  ১. বিদ্যারসহিত ..... বিদ্যা পশু।  ২. হে অতীত ..... গোপনে গোপনে।  ৩. ভোগে সুখ নয় ..... সুখ।  ৪. জীবে প্রেম ..... সেবিছে ঈশ্বর।  ৫. কীর্তমানের মৃত্যু নাই।  ৬. স্বার্থমগ্ন যে জন ..... বাঁচিতে।  ৭. পুষ্প আপনার জন্য ..... নাই।  ৮. সংসার সাগরের ..... একমাত্র ভেলা।  ৯. প্রয়োজনে যে মরিতে ..... তাহারই।  ১০. দুর্নীতি জাতীয় জীবনের অভিশাপ।  ১১. স্বাধীনতা অর্জনের চেয়ে.....কঠিন।</p>
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## মানবন্টন:

<b>১ম পত্র:</b>	
১। MCQ ২০টি (গদ্য -৮টি, কবিতা-৮টি, উপন্যাস-৪টি)	(২০×১)= ২০
২। ৭ টি সৃজনশীল প্রশ্ন (গদ্য -৩টি, কবিতা-৩টি, উপন্যাস-২টি) হতে প্রত্যেক বিভাগ থেকে কমপক্ষে ১টি সহ মোট ৫ টির উত্তর দিতে হবে	(৫×১০) = ৫০
<b>২য় পত্র:</b>	
ক। অনুবাদ /পারিভাষিক শব্দ(যে কোন ১টি)	১×১০=১০
খ। দিনলিপি / প্রতিবেদন (যে কোন ১টি)	১×১০=১০
গ। সারাংশ, সারমর্ম / ভাবসম্প্রসারণ (যে কোন ১টি)	১×১০=১০
	মোট = ৩০
	সর্বমোট = ১০০

\*\* বার্ষিক পরীক্ষার সিলেবাসে ২য় ক্লাস টেস্ট এবং অর্ধবার্ষিক পরীক্ষার সম্পূর্ণ সিলেবাস অন্তর্ভুক্ত হবে।

## ক্লাস টেস্ট- ৫

দ্বিতীয় পত্র : ক। বাংলা উচ্চারণের নিয়ম ও উচ্চারণ লেখা।	খ। বাংলা বানানের নিয়ম ও শব্দশুদ্ধি
গ। সমাস	ঘ। খুদে গল্প
	ঙ। সংলাপ

## ক্লাস টেস্ট পরীক্ষার মানবন্টন (বাংলা দ্বিতীয় পত্র)

বাংলা উচ্চারণের নিয়ম	(১×৫) = ৫
বাংলা বানানের নিয়ম	(১×৫) = ৫
ব্যাসবাক্যসহ সমাস নির্ণয়	(১×৫) = ৫
খুদে গল্প / সংলাপ	(১×১০) = ১০
	মোট = ২৫

## প্রাক-নির্বাচনি পরীক্ষা

দ্বিতীয় পত্র : ক। ব্যাকরণিক শব্দ শ্রেণি	
খ। বাক্যতত্ত্ব	
গ। বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধ প্রয়োগ	
ঘ। <b>আবেদনপত্র:</b> (শুধু অনুশীলনের জন্য। পরীক্ষায় নাও আসতে পারে।)	
১. স্কুলে সহকারী শিক্ষক পদে চাকরির জন্য যথাযথ কর্তৃপক্ষ বরাবর দরখাস্ত লেখ।	
ঙ। <b>বৈদ্যুতিন চিঠি:</b> (শুধু অনুশীলনের জন্য। পরীক্ষায় নাও আসতে পারে।)	
১. বনভোজনের চাঁদার হার জানিয়ে সহপাঠীদের উদ্দেশে বৈদ্যুতিন চিঠি/ই-মেইল রচনা কর।	
২. বন্ধুর পিতৃবিয়োগের সাক্ষনা জানিয়ে একটি বৈদ্যুতিন চিঠি/ই-মেইল রচনা কর।	
চ। <b>রচনা:</b> (শুধু অনুশীলনের জন্য)	
১. আন্তর্জাতিক মাতৃভাষা দিবস	২. স্বদেশ প্রেম
৩. বাংলাদেশের পোশাকশিল্প	৪. বাংলাদেশের পর্যটন শিল্প
৫. বিজ্ঞান ও আধুনিক সভ্যতা	
৬. আমাদের স্বাধীনতা সংগ্রাম	
অথবা, আমাদের জাতীয় জীবনে স্বাধীনতার চেতনা	
৭. নারীশিক্ষা ও জাতীয় উন্নয়ন	

## প্রাক-নির্বাচনি পরীক্ষার মানবন্টন (২য় পত্র)

ক) ৬টি ব্যাকরণমূলক প্রশ্নের উত্তর দিতে হবে	৬×৫ = ৩০
খ) পারিভাষিক শব্দ/ বঙ্গানুবাদ	১×১০=১০
গ) দিনলিপি/প্রতিবেদন (যে কোন ১টি)	১×১০=১০
ঘ) আবেদনপত্র/বৈদ্যুতিন চিঠি (যে কোন ১টি)	১×১০=১০
ঙ) সারাংশ, সারমর্ম /ভাবসম্প্রসারণ (যে কোন ১টি)	১×১০=১০
চ) খুদে গল্প/সংলাপ (২টি হতে ১টি)	১×১০=১০
ছ) রচনা (৫ টি হতে যে কোন ১টি)	১×২০=২০
	সর্বমোট= ১০০

\*\* প্রাক-নির্বাচনি পরীক্ষার সিলেবাসে ৫ম ক্লাস টেস্ট ও আগের নির্মিত অংশ অন্তর্ভুক্ত হবে।

\*\* প্রাক-নির্বাচনি পরীক্ষায় প্রথম ও দ্বিতীয় পত্র আলাদাভাবে ১০০ নম্বরের অনুষ্ঠিত হবে।

## নির্বাচনি পরীক্ষা

প্রথমপত্র : সহপাঠ: নাটক-সিরাজউদ্দৌলা	বাংলা ২য় পত্র: ক। উপসর্গ খ। প্রকৃতি ও প্রত্যয় গ। <b>অভিজ্ঞতা:</b> (শুধু অনুশীলনের জন্য। পরীক্ষায় নাও আসতে পারে।) ১. জাদুঘর দেখার অভিজ্ঞতা। ২. হরতালের দিনে ঢাকা শহর ভ্রমণের অভিজ্ঞতা। ৩. নৌকা ভ্রমণের অভিজ্ঞতা। ৪. কল্পবাজার ভ্রমণের অভিজ্ঞতা। ৫. কোনো ঐতিহাসিক স্থান ভ্রমণের অভিজ্ঞতা।
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- ঘ। ভাষণ: (শুধু অনুশীলনের জন্য। পরীক্ষায় নাও আসতে পারে।)
- শিক্ষাসপ্তাহ উপলক্ষ্যে শিক্ষার মান উন্নয়ন শীর্ষক সেমিনারের ভাষণ তৈরি কর।
  - সমাজ ও দেশ উন্নয়নে নিরক্ষরতা দূরীকরণ প্রয়োজন শীর্ষক আলোচনা সভায় ভাষণ তৈরি কর।
  - অধ্যক্ষ/অধ্যাপক অবসর গ্রহণে বিদায়ী ভাষণ তৈরি কর।
  - শিক্ষাসপ্তাহ উদ্‌যাপন উপলক্ষ্যে আয়োজিত আলোচনা সভায় একটি ভাষণ তৈরি কর।
  - মহান স্বাধীনতা দিবস উপলক্ষ্যে প্রধান অতিথির একটি মনোজ্ঞভাষণ তৈরি কর।
- ঙ। সংলাপ
- চ। খুদেবার্তা: (শুধু অনুশীলনের জন্য। পরীক্ষায় নাও আসতে পারে।)
- নববর্ষের শুভেচ্ছা জানিয়ে বন্ধুর উদ্দেশ্যে একটি খুদেবার্তা/এসএমএস তৈরি কর।
  - এইস.এস.সি পরীক্ষার ফল জানিয়ে বন্ধুর উদ্দেশ্যে একটি খুদেবার্তা/এসএমএস তৈরি কর।
  - বাবা দিবসের শুভেচ্ছা দিয়ে একটি খুদেবার্তা/এসএমএস তৈরি কর।
- ছ। চিঠি : (শুধু অনুশীলনের জন্য। পরীক্ষায় নাও আসতে পারে।)
- হোস্টেল জীবনের বর্ণনা দিয়ে পিতার নিকট পত্র লেখ।
  - এইচএসসি পরীক্ষার পর অবসর দিনগুলো যাপন সম্পর্কে পত্র লেখ।
  - কলেজ বার্ষিক ক্রীড়া প্রতিযোগিতার বর্ণনা দিয়ে পত্র লেখ।

বি.দ্র. নির্বাচনি পরীক্ষা ১ম ও ২য় পত্রের সম্পূর্ণ সিলেবাসের উপর বোর্ড প্রশ্ন অনুযায়ী অনুষ্ঠিত হবে।

নির্বাচনি পরীক্ষার মানবন্টন

১ম পত্র:

১। MCQ ৩০টি (গদ্য -১২টি, কবিতা-১২টি, উপন্যাস-৩টি, নাটক-৩টি)	(৩০×১)= ৩০
২। ১১ টি সৃজনশীল প্রশ্ন (গদ্য -৪টি, কবিতা-৩টি, উপন্যাস-২টি, নাটক-২) গদ্য ও কবিতা হতে কমপক্ষে ২টি করে এবং উপন্যাস ও নাটক হতে কমপক্ষে ১টি সহ ৭টি প্রশ্নের উত্তর দিতে হবে	(৭×১০) = ৭০
	মোট = ১০০

২য় পত্র:

ক) ৬টি ব্যাকরণমূলক প্রশ্নের উত্তর দিতে হবে	৬×৫ = ৩০
খ) পারিভাষিক শব্দ/ বঙ্গানুবাদ	১×১০ = ১০
গ) দিনলিপি/অভিজ্ঞতা, ভাষণ/প্রতিবেদন	১×১০ = ১০
ঘ) পত্র/আবেদনপত্র, বৈদ্যুতিন চিঠি/ খুদে বার্তা	১×১০ = ১০
ঙ) সারাংশ, সারমর্ম /ভাবসম্প্রসারণ	১×১০ = ১০
চ) খুদে গল্প/সংলাপ	১×১০ = ১০
ছ) রচনা (৫ টি হতে যে কোন ১টি)	১×২০ = ২০
	সর্বমোট = ১০০

পাঠ্যপুস্তক তালিকা: বাংলা প্রথম পত্র

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

সহায়ক গ্রন্থের তালিকা: বাংলা দ্বিতীয় পত্র

১। বাংলা ব্যাকরণ ও নির্মিতি	ড. হায়াৎ মামুদ
২। বাংলা ব্যাকরণ ও নির্মিতি	ড. গিয়াস শামীম

## English 1<sup>st</sup> Paper & 2<sup>nd</sup> Paper Syllabus

### Subject: English First Paper

#### 1<sup>st</sup> Class Test

English for Today: Unit 1

\*\*\*Cloze test with clues, Cloze test without Clues, Re-arrangement (All Board Questions of 2025) \*\*\*

#### Writing Part Syllabus for Class Test-1

##### Paragraph:

1. Civic Engagement.
2. Climate Change.

##### Email/Informal Letter:

1. To brother for not sharing fake news.
2. To younger brother on importance/benefits of reading newspaper.

##### Completing Story:

1. Once there was a selfish giant..
2. A Happy Cobbler.

**N.B:** Writing Part items are for practice only. Questions may not be set from the given topics.

#### Marks Distribution of Class Test-1

Comprehension based Question	05 Marks
Cloze Test with Clues, Cloze Test without Clues, Rearrangement	10 Marks
Writing Part	10 Marks
<b>Total = 25 Marks</b>	

#### 2<sup>nd</sup> Class Test

English for Today: Unit 2

\*\*\*Cloze test with clues, Cloze test without Clues, Re-arrangement (All Board Questions of 2024) \*\*\*

##### Paragraph:

1. Education and Technology.
2. Folk Music.

##### Email/Informal Letter:

1. To younger brother on importance of games and sports.
2. To friend about plan after HSC exam.

##### Completing Story:

1. Rokib was an educated young man...
2. Once there was a farmer who had a golden goose.

**N.B:** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Class Test-2**

Comprehension based Question	05 Marks
Cloze Test with Clues, Cloze Test without Clues, Rearrangement	10 Marks
Writing Part	10 Marks
<b>Total = 25 Marks</b>	

**Half Yearly Exam**

English for Today: Unit 3, 4

\*\*\*Cloze test with clues, Cloze test without Clues, Re-arrangement(All Board Questions of 2023, 2022) \*\*\*

**Writing Part Syllabus for Half Yearly Exam**

**Email/Informal Letter:**

1. To brother for not sharing fake news.
2. To younger brother on importance/benefits of reading newspaper.
3. To younger brother on importance of games and sports.
4. To friend about plan after HSC exam.
5. To younger brother about importance of English /How to be competent in English.
6. To foreign friend about own country/scenic beauty of Bangladesh.

**Analyzing Graphs and Charts:**

1. Daily activities/Time allocation of students.
2. Air Pollution.
3. Choice of Profession.
4. Household family expenditure/Income.
5. Absence of students in college.
6. Type of Books sold in book fair.

**N.B:** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Half Yearly Exam**

Comprehension based Question	10 Marks
Vocabulary	20 Marks
Writing Part	20 Marks
<b>Total 50 Marks</b>	

**3<sup>rd</sup> Class Test**

English for Today: Unit 5

\*\*\*Cloze test with clues, Cloze test without Clues, Re-arrangement (All Board Questions 2019) \*\*\*

**Paragraph:**

1. Art & Craft.
2. Myths & Legends.

**Email//Informal Letter:**

1. To father on preparation of ensuing exam/progress of study.
2. To friend showing sympathy on being affected by Dengue Fever.

**Completing Story:**

5. A Sly Fox and a Foolish Crow.
6. There was a pond full of frogs...

**N.B:** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Class Test-3**

Comprehension based Question	05 Marks
Cloze Test with Clues, Cloze Test without Clues, Rearrangement	10 Marks
<u>Writing Part</u>	10 Marks
<b>Total = 25 Marks</b>	

**4<sup>th</sup> Class Test**

English for Today: Unit 6  
 \*\*\*Cloze test with clues, Cloze test without Clues, Re arrangement (All Board Questions 2018-17) \*\*\*

**Paragraph:**

1. Martin Luther King jr & Civil Rights.
2. Nelson Mandela & Apartheid.

**Email/Informal Letter:**

1. To younger brother not to spend time on Facebook/social media.
2. To younger brother to refrain from smoking/drugs.

**Completing Story:**

1. Parul's indomitable desire.
2. King Lear A dreadful call at night.

**N.B:** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Class Test-4**

Comprehension based Question	05 Marks
Cloze Test with Clues, Cloze Test without Clues, Rearrangement	10 Marks
<u>Writing Part</u>	10 Marks
<b>Total = 25 Marks</b>	

**1<sup>st</sup> Year Final Exam****English First Paper:**

English for Today: Unit 1-6

\*\*\*Cloze test with clues, Cloze test without Clues, Re-arrangement(All Board Questions 2017-2025) \*\*\*

**Writing Part Syllabus for 1<sup>st</sup> Year Final Exam****Paragraph:**

- |  |                                |
|--|--------------------------------|
| 1. Civic Engagement.                     | 2. Climate Change.             |
| 3. Education and Technology.             | 4. Folk Music.                 |
| 5. Art & Craft.                          | 6. Myths & Legends.            |
| 7. Martin Luther King jr & Civil Rights. | 8. Nelson Mandela & Apartheid. |

**Completing Story:**

- |   |                                      |
|---|--------------------------------------|
| 1. Once there was a selfish giant.                  | 2. A Happy Cobbler.                  |
| 3. Rokib was an educated young man...               |                                      |
| 4. Once there was a farmer who had a golden goose.. |                                      |
| 5. A Sly Fox and a Foolish Crow.                    | 6. There was a pond full of frogs... |
| 7. The Dove and Ant..                               | 8. An Honest Woodcutter.             |

**N.B:** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of 1<sup>st</sup> Year Final Exam**

Comprehension based Question	10 Marks
Vocabulary	20 Marks
Writing Part	20 Marks
<b>Total 50 Marks</b>	

**5<sup>th</sup> Class Test**

English for Today: Unit 7

\*\*\*Cloze test with clues, Cloze test without Clues, Re-arrangement (All Board Questions 2016)\*\*\*

**Writing Part Syllabus for Class Test-5**

**Paragraph:**

1. Women Empowerment.
2. Human Rights.

**Email/Informal Letter:**

1. To younger brother advising to study attentively and not to adopt unfair means in the exam.
2. To friend condoling on father's/mother's death.

**Completing Story:**

1. Once a golden necklace...
2. Once there lived a lazy farmer. He had a few acres of land...

***N.B:*** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Class Test-5**

Comprehension based Question	10 Marks
Vocabulary	20 Marks
Writing Part	20 Marks
<b>Total 50 Marks</b>	

**Pre-Test Exam**

English for Today: Unit 8-10

\*\*\*Cloze test with clues, Cloze test without Clues, Re-arrangement(All Board Questions 2025, 2024, 2023, 2022) \*\*\*

**Writing Part Syllabus for Pre-Test Exam**

1. Women Empowerment.
2. Human Rights.
3. Uses and abuses of Mobile Phone/Facebook/Internet.
4. Global Warming/Greenhouse Effect/Environment Pollution.
5. Importance of Dreams.
6. Premature Marriage/Dowry System.
7. Importance of Companionship.
8. Adolescence and Its Impact.

**Email/Informal Letter:**

1. To younger brother not to spend time on Facebook/social media.
2. To younger brother to refrain from smoking/drugs.
3. To younger brother advising to study attentively and not to adopt unfair means in the exam.

4. To friend condoling on father's/mother's death.
5. To friend congratulating on winning in debate competition.
6. To friend thanking for birthday present
7. To brother about co-curricular/extracurricular activities.
8. To brother about not mixing with bad boys.

**Completing Story:**

1. King Lear..
2. Once a golden necklace..
3. Once there lived a lazy farmer. He had a few acres of land..
4. It was a bright sunny morning..
5. One day a boy/girl was going to school. He/she saw a moneybag..
6. Sheikh Saadi/Dress does not make a man great.
7. Urmila was a little girl...
8. A Liar Shepherd.

**Analyzing Graphs and Charts:**

1. Daily activities/Time allocation of students.
2. Air Pollution.
3. Choice of Profession.
4. Household family expenditure/Income.
5. Absence of students in college.
6. Type of Books sold in book fair.
7. Mobile Phone & Internet Users.
8. The Percentage of Transportation.

***N.B:*** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Pre-Test Exam**

Comprehension based Question	35 Marks
Vocabulary	15 Marks
Rearrangement	10 Marks
Writing Part	40 Marks

**Total 100 Marks**

**Test Exam**

Whole syllabus for HSC 2027 (Unit 1-12)

\*\*\*Cloze test with clues, Cloze test without Clues, Re arrangement and Appreciating Theme (All Board Questions 2025, 2024, 2023, 2022, 2019, 2018, 2017, 2016) \*\*\*

**Writing Part Syllabus**

\*\*\* Revision of whole 1<sup>st</sup> and 2<sup>nd</sup> Year Syllabus\*\*\*

**Marks Distribution of Test Exam**

Comprehension based Question	35 Marks
Vocabulary	15 Marks
Rearrangement	10 Marks
Writing Part	40 Marks

**Total 100 Marks**

## Subject : English Second Paper

### 1<sup>st</sup> Class Test

**Grammar Items:**

1. Articles.
2. Transformation of sentence (*Affirmative to negative, Assertive to interrogative, Assertive to Exclamatory and Vice-versa.*)

#### Writing Part Syllabus for Class Test-1

##### Report:

1. Price Hike.
2. Food Adulteration.

##### Paragraph:

1. Female Education.
2. Country/Rural/Village Life vs City/Town/Urban Life.

##### Formal Letter:

1. To the Principal for proving multimedia facilities in the classroom.
2. To the UNO/DC for sending relief goods to the flood affected people.

**N.B:** Writing Part items are for practice only. Questions may not be set from the given topics.

#### Marks Distribution of Class Test-1

Grammar	15 Marks
Writing Part	10 Marks
<b>Total 25 Marks</b>	

### 2<sup>nd</sup> Class Test

**Grammar Items:**

1. Preposition.
2. Special use of words and phrases.
3. Transformation of sentence. (*Degree of Comparison and Vice-versa*)

#### Writing Part Syllabus for Half Yearly Exam

##### Report:

1. Fire Accident
2. Drug Addiction.

##### Paragraph:

1. Importance of Moral Values/Moral Degradation.
2. Technical and General Education.

##### Formal Letter:

1. To the Principal for providing sound system in large classrooms.
2. To the Principal for increasing computer lab facilities/setting up a computer club/setting up a canteen.

**N.B:** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Class Test-2**

Part A: Grammar	15 Marks
Part B: Guided Writing	10 Marks
<b>Total = 25 Marks</b>	

**Half Yearly Exam****Grammar Items:**

1. Preposition.
2. Special Use of Words & Phrases.
3. Transformation of sentence. (Full)
4. Synonyms and Antonyms.
5. Capitalization and Punctuation Marks.

**Writing Part Syllabus for Half Yearly Exam****Report:**

1. Price Hike.
2. Food Adulteration.
3. Fire Accident.
4. Drug Addiction.
5. Annual Prize Giving Ceremony.
6. Impact of Facebook.

**Paragraph:**

1. Female Education.
2. Country/Rural/Village Life vs City/Town/Urban Life.
3. Importance of Moral Values/Moral Degradation.
4. Technical and General Education.
5. Price Hike.
6. Junk Food and Healthy Food.

**Formal Letter:**

1. To the Principal for providing multimedia facilities in the classroom.
2. To the UNO/DC for sending relief goods to the flood affected people.
3. To the Principal seeking permission to stage a drama.
4. To the Principal for providing sound system in large classrooms.
5. Complaint About Missing/Damaged Goods (Laptop/AC/Rice Cooker)
6. Complaint about Antisocial Activities.

**N.B:** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Half Yearly Exam**

Part A: Grammar	= 30 Marks
Part B: Guided Writing	= 20 Marks
<b>Total= 50 Marks</b>	

**\*\*\*In Half Yearly Exam, First and Second Paper will be held combinedly of 100 marks.\*\*\***

**3<sup>rd</sup> Class Test****Grammar Items:**

1. Transformation of sentence (*Simple, Complex, Compound & Vice-versa*)
2. Synonym & Antonym

**Writing Part Syllabus for Class Test-3****Report:**

1. Annual Prize Giving Ceremony.
2. Impact of Facebook.

**Paragraph:**

1. Climate Change/Global Warming/Greenhouse Effect.
2. Online Class and Traditional Class.

**Formal Letter:**

1. To the Principal for increasing computer lab facilities/setting up a computer club/setting up a canteen.
2. To the Principal for ensuring safe drinking water in the campus.

***N.B:*** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Class Test-3**

Grammar	15 Marks
Writing Part	10 Marks
<b>Total 25 Marks</b>	

**4<sup>th</sup> Class Test****Grammar Items:**

1. Preposition.
2. Right Form of Verbs.
3. Synonym & Antonym.

**Writing Part Syllabus for Class Test-4****Report:**

1. Deforestation
2. Independence Day/Victory Day

**Paragraph:**

1. Uses and Abuses of Facebook/Social Media/Internet/ Mobile Phone.
2. Nuclear Family and Extended Family.

**Formal Letter:**

1. To the Principal for increasing library facilities.
3. Complaint about Insufficient Supply of Water.

***N.B:*** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Class Test-4**

Grammar	15 Marks
Writing Part	10 Marks
<b>Total 25 Marks</b>	

**1<sup>st</sup> Year Final Exam****Grammar Items:**

1. Articles.
2. Preposition.
3. Special Use of Words & Phrase.
4. Transformation of Sentence (Full).
5. Synonym & Antonym.

**Writing Part Syllabus for 1<sup>st</sup> Year Final Exam****Report:**

1. Price Hike.
2. Food Adulteration.
3. Fire Accident.
4. Drug Addiction.
5. Annual Prize Giving Ceremony.
6. Impact of Facebook.
7. Road Accident.
8. Slum Dwellers.

**Paragraph:**

1. Female Education.
2. Country/Rural/Village Life vs City/Town/Urban Life.
3. Importance of Moral Values/Moral Degradation.
4. Technical and General Education.
5. Price Hike.
6. Junk Food and Healthy Food.
7. Climate Change/Global Warming/Greenhouse Effect.
8. Online Class and Traditional Class

**Formal Letter:**

1. To the Principal for providing multimedia facilities in the classroom.
2. To the UNO/DC for sending relief goods to the flood affected people.
3. To the Principal seeking permission to stage a drama.
4. To the Principal for providing sound system in large classrooms.
5. To the Principal for increasing computer lab facilities/setting up a computer club/setting up a canteen.
6. To the Principal for ensuring safe drinking water in the campus.
7. Complaint About Missing/Damaged Goods (Laptop/AC/Rice Cooker)
8. Complaint about Antisocial Activities.

**Marks Distribution of 1<sup>st</sup> Year Final Exam**

Part A: Grammar	= 30 Marks
Part B: Guided Writing	= 20 Marks
Total	= 50 Marks

\*\*\*In 1st Year Final Exam, First and Second Paper will be held combinedly of 100 marks.\*\*\*

**5<sup>th</sup> Class Test****Grammar Items:**

1. Right Form of Verbs.
2. Completing Sentence.
3. Capitalization & Punctuation Mark.

**Writing Part Syllabus for Class Test-4****Report:**

1. Corruption in Bangladesh.
2. Rohingya Crisis.

**Paragraph:**

1. Importance of Games & Sports.
2. Family Life and Hostel Life.

**Formal Letter:**

1. To the Principal for increasing computer lab facilities/setting up a computer club/setting up a canteen.
2. Complaint about Unhygienic Condition of your area

***N.B:*** Writing Part items are for practice only. Questions may not be set from the given topics.

**Marks Distribution of Class Test-5**

Grammar	15 Marks
Writing Part	10 Marks
<b>Total 25 Marks</b>	

**Pre-Test Exam****Grammar Items:**

1. Preposition.
2. Right Form of Verbs.
3. Completing Sentence.
4. Modifier.
5. Synonym & Antonym.
6. Capitalization & Punctuation Mark.

**Writing Part Syllabus for Pre-Test Exam****Report:**

1. Rohingya Crisis.
2. Causes of Students Failure in English.
3. Water Logging.
4. Dengue Fever.
5. A book/Science Fair
6. Flood Affected Area.

**Paragraph:**

1. Uses and Abuses of Facebook/Social Media/Internet/ Mobile Phone.
2. Importance of Games & Sports.
3. Pahela Baishakh.
4. Globalization.

5. Moral Degradation.
6. Family Life and Hostel Life.
7. Nuclear Family and Extended Family.

**Formal Letter:**

1. To the Principal for increasing computer lab facilities/setting up a computer club/setting up a canteen.
2. To the Principal for ensuring safe drinking water in the campus.
3. To the Principal for increasing library facilities.
4. To the Principal for issuing a seat in the college hostel.
5. Complaint about Unhygienic Condition of your area.
6. Complaint about Frequent Power Failure.

**Marks Distribution of Pre-Test Exam**

Part A: Grammar	= 60 Marks
Part B: Guided Writing	= 40 Marks
<b>Total= 100 Marks</b>	

**\*\*\*In Pre-Test Exam, First and Second Paper will be held separately of 100 marks.\*\*\***

**Test Exam**

**\*\*\*Whole syllabus of HSC 2027\*\*\***

**Writing Part Items:** Revision of whole 1<sup>st</sup> and 2<sup>nd</sup> Year Syllabus.

**Marks Distribution of Written Test**

Part A: Grammar	= 60 Marks
Part B: Guided Writing	= 40 Marks
<b>Total= 100 Marks</b>	

**\*\*\*In Test Exam, First and Second Paper will be held separately of 100 marks.\*\*\***

**Recommended Books**

**English 1<sup>st</sup> Paper:**

1. English For Today – NCTB
2. Advanced Learners' Model Question by Chowdhury and Hossain
3. Nobdut Model Questions English 1<sup>st</sup> Paper

**English 2<sup>nd</sup> Paper:**

1. English Grammar & Composition – NCTB
2. Advanced Learners' HSC Communicative English Grammar & Composition with Model Question by Chowdhury and Hossain
3. HSC English 1<sup>st</sup> and 2<sup>nd</sup> Paper Test papers
4. Nobdut Model Questions English 2<sup>nd</sup> Paper

**Sub. : Information and Communication Technology****Class Test - 1****First Chapter:** Upto Robotics**Third Chapter:** Number System (1st)**Class Test - 2****Third Chapter:** Digital Device (2nd Part)**Fifth Chapter:** Upto algorithm and flowchart**Mark distribution of Class Test**

5 Short Questions	= 05
2 Creative Questions	$(10 \times 2) = 20$
	Total = 25

**Half Yearly Examination****First Chapter:** Upto Robotics**Third Chapter:** Full**Fifth Chapter:** Upto conditional control statement**Marks Distribution of Half Yearly Examination**

Students have to answer five Creative questions out of eight	$10 \times 05 = 50$
25 M.C.Q	$01 \times 25 = 25$
Practical –	= 25
Total Marks –	100

**Class Test - 3****Fifth Chapter:** Upto loop control statement**Class Test - 4****Third Chapter:** Full**Mark distribution of Class Test**

5 Short Questions	= 05
2 Creative Questions	$(10 \times 2) = 20$
	Total = 25

**Year Final Exam****First Chapter:** Full**Third Chapter:** Full**Fifth Chapter:** Full**Marks Distribution of Yearly Examination**

Students have to answer five Creative questions out of eight	$10 \times 05 = 50$
25 M.C.Q	$01 \times 25 = 25$
Practical –	= 25
Total Marks –	100

**Class Test - 5****4th Chapter: Full****Mark distribution of Class Test**

5 Short Questions	= 05
2 Creative Questions	(10 × 2) = 20
	Total = 25

**Pre-Test Examination****2nd Chapter: Full****4th Chapter: Full****5th Chapter: Full****Marks Distribution of Pre Test Examination**

(a) Creative Question – 50 marks 05 Questions have to be answered out of 08 creative Questions. Each Question carries 10 marks	10×05 = 50
(b) MCQ – 25 marks 25 Questions have to be answered out of 25 MCQ. Each Question carries 01 mark	01×25 = 25
Practical –	= 25
	Total Marks = 100

**Test Examination****6th Chapter: Full****\*\*Test exam is whole book\*\*****Marks Distribution of Test Examination**

(a) Creative Question – 50 marks 05 Questions have to be answered out of 08 creative Questions. Each Question carries 10 marks	10×05 = 50
(b) MCQ – 25 marks 25 Questions have to be answered out of 25 MCQ. Each Question carries 01 mark	01×25 = 25
Practical –	= 25
	Total Marks = 100

**\*\* 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

**Book Reference:**

1. Information and Communication technology – AZ Asaduzaman
2. Information and Communication technology – Mahbubur Rahman.
3. NCTB

## Subject: Physics 1<sup>st</sup> & 2<sup>nd</sup> Paper

### Class Test-1

**Physics First paper :**

1<sup>st</sup> Chapter – Physical world and Measurement  
 2<sup>nd</sup> Chapter – Vector  
 10<sup>th</sup> Chapter – Ideal Gas and Kinetic Theory of Gases

### Class Test-2

**Physics First paper :**

3<sup>rd</sup> Chapter – Dynamics

**Physics Second Paper:**

1<sup>st</sup> Chapter - Thermodynamics

### Mark distribution of Class Test

5 Short Questions	(1×5)= 05
5 Comprehension Based Questions	(5×2) = 10
1 Creative Questions	(10 × 1) = 10
	<b>Total = 25</b>

### Half Yearly Examination

**Physics First paper :**

4<sup>th</sup> Chapter - Newtonian Mechanics

**Physics Second Paper:**

2<sup>nd</sup> Chapter - Static electricity

**And included the chapters of Class Test-1 & Class Test-2.**

### Marks Distribution of Half Yearly Examination

Students have to answer five Creative questions out of eight	10×05 = 50
25 M.C.Q	01×25 = 25
Practical –	= 25
<b>Total Marks –</b>	<b>100</b>

**In Half Yearly Exam, First and Second Paper will be held combinedly of 100 marks.**

### Class Test-3

**Physics First paper :**

5<sup>th</sup> Chapter - Work, Energy & Power  
 6<sup>th</sup> Chapter - Gravitation and Gravity

### Class Test-4

**Physics First paper :**

7<sup>th</sup> Chapter - Structural Properties of Matter

**Physics Second Paper:**

3<sup>rd</sup> Chapter - Current Electricity

### Mark distribution of Class Test

5 Short Questions	(1×5)= 05
5 Comprehension Based Questions	(5×2) = 10
1 Creative Questions	(10 × 1) = 10
	<b>Total = 25</b>

### Yearly Examination

**Physics First paper :**
Revision-2<sup>nd</sup> Chapter & 10<sup>th</sup> Chapter
**Physics Second Paper:**
7<sup>th</sup> Chapter - Physical Optics

**\*\* In Yearly Exam Chapters of Class Test – 1, Class Test – 2 & Half Yearly exam will be included.**

### Marks Distribution of Yearly Examination

Students have to answer five Creative questions out of eight	10×05 = 50
<b>Note:</b> Students will have to answer minimum 2 questions from each paper.	
25 M.C.Q	01×25 = 25
Practical –	= 25
<b>Total Marks –</b>	<b>100</b>

**In Yearly Exam, First and Second Paper will be held combinedly of 100 marks.**

### Class Test-5

**Physics First paper :**
8<sup>th</sup> Chapter - Periodic Motion
**Physics Second Paper:**
4<sup>th</sup> Chapter - Magnetic Effects of Current and Magnetism5<sup>th</sup> Chapter - Electromagnetic Induction and Alternating current

### Mark distribution of Class Test

5 Short Questions	(1×5)= 05
5 Comprehension Based Questions	(5×2) = 10
1 Creative Questions	(10 × 1) = 10
<b>Total = 25</b>	

### Pre-Test Exam

**Physics First paper :**
9<sup>th</sup> Chapter - Wave & Chapter - 4<sup>th</sup>, 5<sup>th</sup> & 6<sup>th</sup>
**Physics Second Paper:**
6<sup>th</sup> Chapter - Geometrical Optics8<sup>th</sup> Chapter - Introduction to Modern Physics9<sup>th</sup> Chapter - Atomic model and Nuclear Physics10<sup>th</sup> Chapter - Semiconductor and Electronics

### Marks Distribution of Pre Test Examination

(a) Creative Question – 50 marks	
05 Questions have to be answered out of 08 creative Questions.	
Each Question carries 10 marks	10×05 = 50
(b) MCQ – 25 marks	
25 Questions have to be answered out of 25 MCQ.	
Each Question carries 01 mark	01×25 = 25
Practical –	= 25
<b>Total Marks = 100</b>	

**In Pre Test Exam, First and Second Paper will be held separately of 100 marks.**

**Test Examination****Physics First Paper:** Full Syllabus.**Physics Second Paper:**11<sup>th</sup> Chapter - Astronomy & Full Syllabus.**Marks Distribution of Test Examination:**

(a) Creative Question – 50 marks 05 Questions have to be answered out of 08 creative Questions. Each Question carries 10 marks	10×05 = 50
(b) MCQ – 25 marks 25 Questions have to be answered out of 25 MCQ. Each Question carries 01 mark	01×25 = 25
Practical –	= 25
<b>Total Marks = 100</b>	

**In Test Exam, First and Second Paper will be held separately of 100 marks****Marks Distribution of Practical Examination**

01 Experiment	<ul style="list-style-type: none"> <li>— Theory- 03</li> <li>— Usage of apparatus and data collection- 05</li> <li>— Calculation and analysis- 04</li> </ul>	12
Result Presentation with explanation-		05
Viva Voce-		05
Note book-		03
		<b>Total = 25</b>

**Second paper**

Similar to First paper (Full Syllabus)

**List of Books**

<b><u>Name of books.</u></b>	<b><u>Name of Authors</u></b>
A. Physics- First paper Eleven-Twelve Classes.	1. Dr. Amir Hossain and others 2. Dr. Shahjahan Tapan & Others 3. Golam Hossain Pramanik
B. Physics- Second paper Eleven – Twelve Classes	1. Dr. Shahjahan Tapan & others 2. Dr. Amir Hussain and others 3. Golam Hossain Pramanik

## Subject: Chemistry 1<sup>st</sup> & 2<sup>nd</sup> Paper

### Class Test-1

#### Chemistry 1<sup>st</sup> Paper :

Chapter-02 – Upto Solubility

Chapter-03 – Upto Periodic Properties

### Class Test-2

#### Chemistry 1<sup>st</sup> Paper :

Chapter-02: Remaining parts

Chapter-03: Remaining parts

### Marks Distribution of Class Test

5 Short Questions	(1×5)= 05
5 Comprehension Based Questions	(5×2) = 10
1 Creative Questions	(10 × 1) = 10
<b>Total = 25 Marks</b>	

### Half Yearly Exam

#### Chemistry 1<sup>st</sup> Paper

2<sup>nd</sup> Chapter – Full

3<sup>rd</sup> Chapter – Full

#### Chemistry 2<sup>nd</sup> Paper :

1<sup>st</sup> Chapter – Upto Daltons partial pressure law

### Marks Distribution of Half Yearly Examination

Students have to answer five Creative questions out of Eight	10×05 = 50
25 M.C.Q	01×25 = 25
Practical –	25
<b>Total Marks = 100</b>	

**In Half Yearly Exam, First and Second Paper will be held combinedly of 100 marks.**

### Class Test-3

#### Chemistry 1<sup>st</sup> Paper :

Chapter-04: Upto  $K_p$  &  $K_c$

#### Chemistry 2<sup>nd</sup> Paper :

Chapter-01 : Grahams diffution law

### Class Test-4

#### Chemistry 1<sup>st</sup> Paper :

Chapter-04: Remaining parts

#### Chemistry 2<sup>nd</sup> Paper :

Chapter-01: Remaining parts

**Marks Distribution of Class Test**

5 Short Questions	(1×5)= 05
5 Comprehension Based Questions	(5×2) = 10
1 Creative Questions	(10 × 1) = 10
Total = 25 Marks	

**Yearly Examination****Chemistry 1<sup>st</sup> Paper**

1 <sup>st</sup> Chapter	–	Full
2 <sup>nd</sup> Chapter	–	Full
3 <sup>rd</sup> Chapter	–	Full
4 <sup>th</sup> Chapter	–	Full

**Chemistry 2<sup>nd</sup> Paper:**

1 <sup>st</sup> Chapter	–	Full
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**Marks Distribution of Yearly Examination**

(a) Creative Question – 50 marks	
05 Questions have to be answered out of 08 creative Questions.	
Each Question carries 10 marks	10×05 = 50
(b) MCQ – 25 marks	
25 Questions have to be answered out of 25 MCQ.	
Each Question carries 01 mark	01×25 = 25
Practical –	= 25
Total Marks = 100	

**In Yearly Exam, First and Second Paper will be held combinedly of 100 marks**

**Class Test-5****Chemistry 2<sup>nd</sup> Paper :**

Chapter-02: Upto isomerism

Chapter-03: Upto unit conversion of concentration

**Marks Distribution of Class Test**

5 Short Questions	(1×5)= 05
5 Comprehension Based Questions	(5×2) = 10
1 Creative Questions	(10 × 1) = 10
Total = 25 Marks	

**Pre-Test Examination****Chemistry 1<sup>st</sup> Paper**

3 <sup>rd</sup> Chapter	–	Full
4 <sup>th</sup> Chapter	–	Full
5 <sup>th</sup> Chapter	–	Full

**Chemistry 2<sup>nd</sup> Paper**

2 <sup>nd</sup> Chapter	–	Upto Aliphatic
3 <sup>rd</sup> Chapter	–	Full

**Marks Distribution of Pre-Test Examination**

(a) Creative Question – 50 marks	
05 Questions have to be answered out of 08 creative Questions.	
Each Question carries 10 marks	$10 \times 05 = 50$
(b) MCQ – 25 marks	
25 Questions have to be answered out of 25 MCQ.	
Each Question carries 01 mark	$01 \times 25 = 25$
<u>Practical –</u>	<u>= 25</u>
Total Marks = 100	

**In Pre Test Exam, First and Second Paper will be held separately of 100 marks.**

**Test Examination****Chemistry 1<sup>st</sup> & 2<sup>nd</sup> Paper :**

Full Board Syllabus

**Marks distribution for Test exam:**

(a) <b>Creative Question – 50 marks</b>	
05 Questions have to be answered out of 08 creative Questions.	
Each Question carries 10 marks	$10 \times 05 = 50$
(b) <b>MCQ – 25 marks</b>	
25 Questions have to be answered out of 25 MCQ.	
Each Question carries 01 mark	$01 \times 25 = 25$
<u>Practical –</u>	<u>= 25</u>
Total Marks = 100	

**In Test Exam, First and Second Paper will be held separately of 100 marks**

**List of Books****Name of books**1. Chemistry- 1<sup>st</sup> Paper**Name of Authors**

1. Haradon Nag
2. Mahbub Hasan Linkon
3. Dr. Gazi Ahsan Kabir

**Name of books**1. Chemistry- 2<sup>nd</sup> Paper**Name of Authors**

1. Haradon Nag
2. Mahbub Hasan Linkon
3. Dr. Gazi Ahsan Kabir

## Subject: Biology 1<sup>st</sup> & 2<sup>nd</sup> Paper

### Class Test-1

<b><u>Biology First Paper :</u></b> 1 <sup>st</sup> Chapter - Cell and it's structure 2 <sup>nd</sup> Chapter – Cell Division	<b><u>Biology Second paper :</u></b> 1 <sup>st</sup> Chapter- Animal diversity and classification
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### Class Test-2

<b><u>Biology First Paper :</u></b> 3 <sup>rd</sup> Chapter – Cell Chemistry 4 <sup>th</sup> Chapter - Microorganism	<b><u>Biology Second paper :</u></b> 2 <sup>nd</sup> Chapter - Introduction to animal (Hydra, Grasshopper)
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### Mark distribution of Class Test

5 Short Questions	(1×5)= 05
5 Comprehension Based Questions	(5×2) = 10
1 Creative Questions	(10 × 1) = 10
	Total = 25

### Half Yearly exam

<b><u>Biology First Paper :</u></b> Chapter – 1,2,3,4 (Revision of class test- 1 & 2)
<b><u>Biology Second paper :</u></b> Chapter – 1, 2 (Hydra, Grasshopper)

### Marks Distribution of Half Yearly Examination

Students have to answer five Creative questions out of Eight (1 <sup>st</sup> paper 6 questions + 2 <sup>nd</sup> paper 2 questions)		10×05 = 50
<b>Note:</b> Students will have to answer minimum 1 question from 2 <sup>nd</sup> paper.		
25 M.C.Q		01×25 = 25
Practical –		25
Total Marks –		100

**In Half Yearly Exam, First and Second Paper will be held combinedly of 100 marks.**

### Class Test-3

<b><u>Biology First Paper :</u></b> 5 <sup>th</sup> Chapter- Algae and Fungi 7 <sup>th</sup> Chapter – Gymnosperm and Angiosperm	<b><u>Biology Second paper :</u></b> 2 <sup>nd</sup> Chapter – Rui Fish
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### Class Test-4

<b><u>Biology First Paper :</u></b> 6 <sup>th</sup> Chapter – Bryophyta and Pteridophyta 8 <sup>th</sup> Chapter – Tissue and Tissue System	<b><u>Biology Second paper :</u></b> 3 <sup>rd</sup> Chapter – Digestion and Absorption
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### Mark distribution of Class Test

5 Short Questions	(1×5)= 05
5 Comprehension Based Questions	(5×2) = 10
1 Creative Questions	(10 × 1) = 10
	Total = 25

**Yearly Exam****Biology First Paper :** Chapter – 5, 6,7, 8**Biology Second paper :** Chapter – 2 and 3

**\*\* In Yearly Exam Chapters of Class Test – 3, Class Test – 4 & Half Yearly exam will be included.**

**Marks distribution for Yearly exam**

Students have to answer five Creative questions out of Eight (1 <sup>st</sup> paper 6 questions + 2 <sup>nd</sup> paper 2 questions)	10×05 = 50
<b>Note:</b> Students will have to answer minimum 1 question from 2 <sup>nd</sup> paper.	
25 M.C.Q	01×25 = 25
Practical –	25
Total Marks –	100

**In Yearly Exam, First and Second Paper will be held combinedly of 100 marks**

**Class Test-5****Biology First Paper :**  
9<sup>th</sup> Chapter – Plant Physiology (Partial)**Biology First Paper :**  
4<sup>th</sup> Chapter - Human physiology: Blood & Circulation**Mark distribution of Class Test**

5 Short Questions	(1×5)= 05
5 Comprehension Based Questions	(5×2) = 10
1 Creative Questions	(10 × 1) = 10
	Total = 25

**Pre- Test Exam**

<b>Biology First Paper :</b>	9 <sup>th</sup> Chapter - Plants physiology 10 <sup>th</sup> Chapter - Plant Reproduction 11 <sup>th</sup> Chapter- Biotechnology
<b>Biology Second paper :</b>	4 <sup>th</sup> Chapter- Human Physiology- Blood and Circulation 5 <sup>th</sup> Chapter- Respiration and Breathing 6 <sup>th</sup> Chapter- Wastes & Elimination 7 <sup>th</sup> Chapter- Locomotion and Movement 8 <sup>th</sup> Chapter- Coordination & Control 9 <sup>th</sup> Chapter- Continuation of Human Life 10 <sup>th</sup> Chapter- Protection of Human Body (Immunity) 11 <sup>th</sup> Chapter - Genetics and Evolution

**Marks distribution for Pre-test exam**

<b>A) Creative questions – 50 marks.</b> 5 question have to be answered out of 8. Each question carries 10 marks	10×5= 50
<b>B) MCQ - 25 marks</b> 25 questions will be provided. Each question carries 1 mark	01×25= 25
Practical –	25
	Total Marks – 100

**In Pre Test Exam, First and Second Paper will be held separately of 100 marks.**

**Test Examination****Biology First Paper :**

12<sup>th</sup> Chapter–Environment, Distribution and Conservation of Organism.  
and full board syllabus.

**Biology Second paper :**

12<sup>th</sup> Chapter - Animal Behavior and full board syllabus.

**Marks distribution for Test exam****B) Creative questions – 50 marks.**

5 question have to be answered out of 8.

Each question carries 10 marks

10×5= 50

**B) MCQ - 25 marks**

25 questions will be provided.

Each question carries 1 mark

01×25= 25

Practical –

25

Total Marks – 100

**In Test Exam, First and Second Paper will be held separately of 100 marks**

**Practical Exam syllabus of first paper****Marks distribution of practical exam : Biology 1st Paper (Botany)**

Identification of permanent slide, or model-any 1 :

(Identification- 1 mark, Characteristics- 2 marks)

3

Experiment-any 1

7

(Sectioning and mounting-4 marks, Identification-1 mark, Characteristics-2 mark

Or, Drawing : cross section of flower and floral diagram-4 marks, Identification-1 marks,  
Characteristics: 2 mark)

Experiment-any 1 (Use of equipment and following procedure-5 marks, Result-2 marks)

Viva voce:

5

Note book :

3

Total: 25

**Marks distribution of practical exam : Biology 2nd Paper (Zoology)**

Identification-any 3 : (Identification-1 mark, Characteristics-2 marks)

3x3=9

Experiment-any 1 : (Dissection & demonstration-6 marks, Figure drawing-2 marks)

8

Viva voce:

5

Note book :

3

Total: 25

**List of reference biology books****Name of the book****Name of the author**

Biology 1<sup>st</sup> paper Class 11-12

1. Abdul Alim; 2. Parnbandhu Biswas

**Name of the book****Name of the author**

Biology 2<sup>nd</sup> paper Class 11-12

1. Abdul Alim; 2. Meghnath Saha

## Subject : Higher Math 1<sup>st</sup> & 2<sup>nd</sup> Paper

### Class Test-1

#### **Higher Math 1<sup>st</sup> Paper :**

1<sup>st</sup> Chapter – Matrix & Determinant (1.1 – 1.2)

3<sup>rd</sup> Chapter – Straight Line (3.1 – 3.5)

### Class Test-2

#### **Higher Math 1<sup>st</sup> Paper :**

3<sup>rd</sup> Chapter – Straight Line (3.6 – 3.7)

7<sup>th</sup> Chapter – Trigonometric Ratio of Compound Angle (7.1–7.7)

### Marks Distribution of Class Test

5 Short Questions	(1×5)= 05
5 Comprehension Based Questions	(5×2) = 10
1 Creative Questions	(10 × 1) = 10
<b>Total = 25 Marks</b>	

### Half Yearly Exam

#### **Higher Math 1<sup>st</sup> Paper :**

4<sup>th</sup> Chapter – Circle (4.1 – 4.2)

#### **Higher Math 2<sup>nd</sup> Paper :**

7<sup>th</sup> Chapter – Inverse Trigonometric Function and Trigonometric Equation (7.1 – 7.2)

**\*\* Syllabus of class test-1& class test-2 will be included in Half Yearly exam.**

### Marks Distribution of Half Yearly Examination

Students have to answer five Creative questions out of Eight	10 × 05 = 50
25 M.C.Q	01 × 25 = 25
Practical –	25
Total Marks –	100

**In Half Yearly Exam, First and Second Paper will be held combinedly of 100 marks.**

### Class Test-3

#### **Higher Math 1<sup>st</sup> Paper :**

8<sup>th</sup> Chapter – Function & Its Graph (8)

9<sup>th</sup> Chapter – Differentiation (9.1 – 9.6)

#### **Higher Math 2<sup>nd</sup> Paper :**

6<sup>th</sup> Chapter – Conic (6.1 – 6.3)

### Class Test-4

#### **Higher Math 1<sup>st</sup> Paper :**

5<sup>th</sup> Chapter – Permutation & Combination (5.1 – 5.2)

9<sup>th</sup> Chapter – Differentiation (9.7 – 9.9)

### Marks Distribution of Class Test

5 Short Questions	$(1 \times 5) = 05$
5 Comprehension Based Questions	$(5 \times 2) = 10$
1 Creative Questions	$(10 \times 1) = 10$
Total = 25 Marks	

### Yearly Exam

<b>Higher Math 1<sup>st</sup> Paper:</b>	<b>Higher Math 2<sup>nd</sup> Paper :</b>
10 <sup>th</sup> Chapter – Integration (10.1 – 10.7)	5 <sup>th</sup> Chapter – Binomial Theorem (5.1 – 5.2)

**\*\* Syllabus of half yearly will be included.**

### Marks distribution for Yearly exam

<b>A) Creative questions – 50 marks.</b>	
5 question have to be answered out of 8.	
Each question carries 10 marks	$10 \times 5 = 50$
<b>B) MCQ - 25 marks</b>	
25 questions will be provided.	
Each question carries 1 mark	$01 \times 25 = 25$
<b>C) Practical –</b>	<b>25</b>
Total Marks = 100	

**In Yearly Exam, First and Second Paper will be held combinedly of 100 marks**

### Class Test-5

<b>Higher Math 1<sup>st</sup> Paper :</b>	<b>Higher Math 2<sup>nd</sup> Paper :</b>
2 <sup>nd</sup> Chapter – Vector (2)	1 <sup>st</sup> Chapter – Real Number (1.1 – 1.2)
6 <sup>th</sup> Chapter – Trigonometric Ratio (6.1 – 6.3)	4 <sup>th</sup> Chapter – Polynomial & Polynomial equation (4.1 – 4.2)

### Marks Distribution of Class Test

5 Short Questions	$(1 \times 5) = 05$
5 Comprehension Based Questions	$(5 \times 2) = 10$
1 Creative Questions	$(10 \times 1) = 10$
Total = 25 Marks	

### Pre-Test Examination

**Higher Math 1<sup>st</sup> Paper:**

7<sup>th</sup> Chapter– Trigonometric Ratio of Compound Angle (Revision)  
 9<sup>th</sup> Chapter– Differentiation (Revision)  
 10<sup>th</sup> Chapter – Integration( Revision)

**Higher Math 2<sup>nd</sup> Paper :**

2<sup>nd</sup> Chapter – Linear Programming–2  
 3<sup>rd</sup> Chapter – Complex Number (3)  
 8<sup>th</sup> Chapter – Statics (8.1 – 8.3)  
 9<sup>th</sup> Chapter – Dynamics ( 9.1 – 9.4)  
 10<sup>th</sup> Chapter – Dispersion &Probability (10.1 – 10.2)

### Marks distribution for Pre-test exam

**A) Creative questions – 50 marks.**

5 question have to be answered out of 8.

Each question carries 10 marks

$$10 \times 5 = 50$$

**B) MCQ - 25 marks**

25 questions will be provided.

Each question carries 1 mark

$$01 \times 25 = 25$$

**C) Practical –**

25

Total Marks = 100

**In Pre Test Exam, First and Second Paper will be held separately of 100 marks.**

### Test Examination

**Higher Math 1<sup>st</sup> & 2<sup>nd</sup> Paper :**

Full board Syllabus

### Marks distribution for Test exam

**A) Creative questions – 50 marks.**

5 question have to be answered out of 8.

Each question carries 10 marks

$$10 \times 5 = 50$$

**B) MCQ - 25 marks**

25 questions will be provided.

Each question carries 1 mark

$$01 \times 25 = 25$$

**C) Practical –**

25

Total Marks = 100

**In Test Exam, First and Second Paper will be held separately of 100 marks**

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

Dissection And Identification	12
Viva Voce	05
Note Book	03
<b>Total = 25</b>	

**List of Text book**

Higher Mathematics 1 <sup>st</sup> Paper.	1. Md. Rafiqul Islam, Kazi Kamruzzaman & Others. Ruponti Publication.
	2. Ashim kumar Saha & Others. Akkhar Patra Publication
	3. Md. Nazrul Islam and Md. Ketab Uddin

Higher Mathematics 2 <sup>nd</sup> Paper.	1. Md. Rafiqul Islam, Kazi Kamruzzaman & Others. Ruponti Publication.
	2. Ashim kumar Saha & Others. Akkhar Patra Publication
	3. Md. Nazrul Islam and Md. Ketab Uddin

**Weightage for Half Yearly/Year Final/Pre-Test/Test Exam**

100 marks Exam will be held which will be converted into 75	= 75
Class Attendance	= 05
Class Test, Quiz/Weekly Test	= 20
<b>Total = 100</b>	

**Marks distribution of Subjects (Without Practical):**

Class Test	20	}	40 ÷ 2 = 20
Quiz/WT	20		
Class Attendance			05
Theoretical Exam-		{	
	Creative- 70		
	MCQ- 30		75
			<b>Total = 100</b>

**Marks distribution of Subjects (With Practical):**

Class Test	20	}	40 ÷ 2 = 20
Quiz/WT	20		
Class Attendance			= 05
Theoretical Exam-		{	
	Creative- 50		
	MCQ- 25		
	Practical - 25		= 75
			<b>Total = 100</b>