

The Millennium Stars School and College

Rangpur Cantonment

Syllabus: Eleven & Twelve (2023-24) Science Group

বিষয়: বাংলা (আবশ্যিক) প্রথম ও দ্বিতীয় পত্র

| Class Test | Half Yearly & Annual | Pre-Test & Test |
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| ক্লাস টেস্ট- ১ প্রথম পত্র: গদ্য: ক। বাঙ্গালার নব্য লেখকদিগের প্রতি নিবেদন খ। অপরিচিতা কবিতা: ক। বিভীষণের প্রতি মেঘনাদ খ। সোনার তরী দ্বিতীয় পত্র: ক। উচ্চারণের নিয়ম/শুদ্ধ উচ্চারণ | অর্ধ বার্ষিক পরীক্ষা: প্রথম পত্র: গদ্য: ক। বিলাসী খ। গৃহ কবিতা: ক। বিদ্রোহী খ। প্রতিদান উপন্যাস: লালসালু (ভূমিকা অংশ থেকে ৯০ পৃষ্ঠা পর্যন্ত) দ্বিতীয় পত্র: ক। বাংলা ভাষার ব্যাকরণিক শব্দ শ্রেণি খ। পারিভাষিক শব্দ (A থেকে N পর্যন্ত) ও অনুবাদ গ। দিনলিপি লিখন, অভিজ্ঞতা বর্ণন, ভাষণ ও প্রতিবেদন ঘ। সংলাপ ও খুঁদে গল্প রচনা ** অর্ধ বার্ষিক পরীক্ষার সিলেবাসে ১ম ক্লাস টেস্টের সিলেবাস অন্তর্ভুক্ত হবে। বার্ষিক পরীক্ষা: প্রথম পত্র: গদ্য: ক। মানব-কল্যাণ খ। মাসি-পিসি কবিতা: ক। পদ্মা খ। আঠারো বছর বয়স উপন্যাস: লালসালু (৯১ পৃষ্ঠা থেকে শেষ পর্যন্ত) দ্বিতীয় পত্র: ক। বাংলা শব্দগঠন (উপসর্গ, প্রত্যয় ও সমাস) খ। পারিভাষিক শব্দ (O থেকে Z পর্যন্ত) ও অনুবাদ গ। বৈদ্যুতিন চিঠি, খুঁদে বার্তা, পত্রলিখন ও আবেদন পত্র ঘ। সারাংশ, সারমর্ম ও ভাবসম্প্রসারণ ** বার্ষিক পরীক্ষার সিলেবাসে ২য় ক্লাস টেস্টের সিলেবাস অন্তর্ভুক্ত হবে। | প্রাক-নির্বাচনী পরীক্ষা: প্রথম পত্র: গদ্য: ক। বায়ান্নর দিনগুলো খ। রেইনকোট গ। মহাজাগতিক কিউরেটর ঘ। নেকলেস কবিতা: ক। ফেব্রুয়ারি ১৯৬৯ খ। আমি কিংবদন্তির কথা বলছি গ। নূরলদীনের কথা মনে পড়ে যায় ঘ। ছবি নাটক: সিরাজউদ্দৌলা (সম্পূর্ণ) দ্বিতীয় পত্র: ক। বাক্যতত্ত্ব ও বাক্য রূপান্তর খ। বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধ প্রয়োগ/অনুচ্ছেদ শুদ্ধি গ। সংলাপ ও খুঁদে গল্প রচনা ঘ। প্রবন্ধ রচনা নির্বাচনী পরীক্ষা: নির্বাচনী পরীক্ষা ১ম ও ২য় পত্রের সম্পূর্ণ সিলেবাসের উপর বোর্ডের নমুনা প্রশ্ন অনুযায়ী অনুষ্ঠিত হবে। |
| ক্লাস টেস্ট- ২ প্রথম পত্র : গদ্য: ক। আহ্বান খ। আমার পথ কবিতা: ক। সূচেনা খ। তাহারেই পড়ে মনে দ্বিতীয় পত্র: ক। বাংলা বানানের নিয়ম | | |

ক্লাস টেস্টের মানবন্টন:

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| ক। সৃজনশীল: ২টি উদ্দীপকের মধ্যে ১টির উত্তর দিতে হবে। | ১০×১ = ১০ |
| খ। বহুনির্বাচনি: ৫টি প্রশ্নের প্রত্যেকটির উত্তর দিতে হবে। | ১×৫ = ৫ |
| গ। নির্ধারিত ব্যাকরণ অংশ থেকে ১টি প্রশ্নের উত্তর দিতে হবে | ৫×১ = ৫ |
| | মোট = ২০ |

অর্থ বার্ষিক/ বার্ষিক/প্রাক নির্বাচনি পরীক্ষার মানবন্টন:

প্রথম পত্র:

গদ্য:

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| ক। সৃজনশীল প্রশ্নের ২টি উদ্দীপকের ১টির উত্তর দিতে হবে। | ১০×১ = ১০ |
| খ। বহুনির্বাচনি ১৩টি প্রশ্নের প্রত্যেকটির উত্তর দিতে হবে। | ১×১৩ = ১৩ |
| | মোট = ২৩ |

কবিতা:

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| ক। সৃজনশীল প্রশ্নের ২টি উদ্দীপকের ১টির উত্তর দিতে হবে। | ১০×১ = ১০ |
| খ। বহুনির্বাচনি ১২টি প্রশ্নের প্রত্যেকটির উত্তর দিতে হবে। | ১×১২ = ১২ |
| | মোট = ২২ |

উপন্যাস/নাটক :

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| ক। সৃজনশীল প্রশ্নের ২টি উদ্দীপকের ১টির উত্তর দিতে হবে। | ১০×১ = ১০ |
| খ। বহুনির্বাচনি ০৫টি (উপন্যাস থেকে ০৫টি) প্রশ্নের প্রত্যেকটির উত্তর দিতে হবে। | ১×০৫ = ০৫ |
| | মোট = ১৫ |

দ্বিতীয় পত্র:

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| ক। নির্ধারিত ব্যাকরণ অংশ থেকে ২টি প্রশ্নের উত্তর দিতে হবে | ৫×২ = ১০ |
| খ। নির্ধারিত নির্মিতি অংশ থেকে ৩টি প্রশ্নের উত্তর দিতে হবে | ১০×৩ = ৩০ |
| | মোট = ৪০ |

বি: দ্র: প্রথম ও দ্বিতীয় পত্র -

সর্বমোট (২৩+২২+১৫+৪০) = ১০০

সার্বিক মানবন্টন:

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| ক। ক্লাস টেস্ট | ২০÷২ = ১০ |
| খ। ক্লাসে উপস্থিতি | = ০৫ |
| গ। অর্থ বার্ষিক/ বার্ষিক/ প্রাক নির্বাচনি পরীক্ষা ১০০ নম্বরের ভিত্তিতে রূপান্তরিত হবে | = ৮৫ |
| | মোট = ১০০ |

নির্বাচনি পরীক্ষা ১ম ও ২য় পত্রের সম্পূর্ণ সিলেবাসের উপর বোর্ডের নমুনা প্রশ্ন অনুযায়ী অনুষ্ঠিত হবে।

সহায়ক পাঠ্যপুস্তক:

- ১। সাহিত্য পাঠ (গদ্য ও কবিতা)- জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, ঢাকা
- ২। সহপাঠ (উপন্যাস ও নাটক)- জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, ঢাকা
- ৩। উচ্চতর বাংলা ভাষারীতি- প্রফেসর ড. আলাউদ্দিন আল আজাদ
- ৪। একাডেমিক উচ্চ মাধ্যমিক বাংলা ব্যাকরণ ও নির্মিতি- মীর মোশাররফ হোসেন (মিলু)
- ৫। টার্গেট বাংলা ব্যাকরণ ও নির্মিতি - মো. নজরুল ইসলাম কিরণ
- ৬। বাংলা ব্যাকরণ ও নির্মিতি- ড. হায়াৎ মামুদ
- ৭। বাংলা ব্যাকরণ ও নির্মিতি- ড. গিয়াস শামীম

Subject: English 1st and 2nd Paper

| Class Test | Half Yearly & Annual | Pre-Test & Test |
|---|---|---|
| <p><u>1st Class Test</u></p> <p>Unit-1: People or Institutions Making History</p> <p>Unit-2: Dreams</p> <p>Grammar: Preposition, Synonyms & antonyms</p> | <p><u>Half Yearly Exam</u></p> <p>Unit-1: People or Institutions Making History</p> <p>Unit-2: Dreams</p> <p>Unit-3: Lifestyle</p> <p>Unit-4: Adolescence</p> <p>Unit-5: Youthful Achievers</p> <p>Unit-6: Relationships</p> <p>Grammar: Synonyms & Antonyms; Preposition, Right form of verbs</p> <p>Writing Part: Paragraph, Completing story</p> | <p><u>Pre- Test Exam</u></p> <p>Unit-11: Art and Craft</p> <p>Unit-12: Education and Life</p> <p>Unit-13: Myths and Literature</p> <p>Grammar: Right Form of Verbs, Synonyms & Antonyms; Preposition, Punctuation, Modifiers, Linkers, Narration, Conditionals, Phrase & Idiom, Cloze test</p> <p>Writing Part: Paragraph, Composition, E-mail, Letter</p> |
| <p><u>2nd Class Test</u></p> <p>Unit-3: Lifestyle</p> <p>Unit-4: Adolescence</p> <p>Grammar: Right Form of Verbs; Synonyms & Antonyms</p> | <p><u>Annual Exam</u></p> <p>Unit-3: Lifestyle</p> <p>Unit-4: Adolescence</p> <p>Unit-5: Youthful Achievers</p> <p>Unit-6: Relationships</p> <p>Unit-7: Human Rights</p> <p>Unit-8: Peace and Conflict</p> <p>Unit-9: Tours and Travels</p> <p>Unit-10: Environment and Nature</p> <p>Grammar: Right Form of Verbs; Punctuation & Capitalization, Modifiers, Narration.</p> <p>Writing Part: Paragraph, Graph chart, Email</p> | <p><u>Test Examination</u></p> <p>1. Revision of English 1st Paper (As per syllabus of NCTB)</p> <p>2. Revision of English 2nd Paper (As per syllabus of NCTB)</p> |

Marks Distribution for class test

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

Total=20 marks

Marks Distribution of Half Yearly Exam

| | |
|---|----------|
| 1 st Class Test | 20 Marks |
| 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 (items to be included from 1 st & 2 nd Paper) | 40 Marks |

Total 100 Marks

Marks Distribution of Annual Exam

| | |
|---|----------|
| 2 nd Class Test | 20 Marks |
| 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 |

Total 100 Marks

Marks Distribution of Pre-Test Exam

| | |
|---|----------|
| 3 rd Class Test | 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 |

Total =100 Marks

Marks Distribution of Test Exam

| | |
|----------------------------------|-----------|
| 1. English 1 st Paper | 100 Marks |
| 2. English 2 nd Paper | 100 Marks |

Total =200 Marks

Reference Book:

1. Text Book English for Today prescribed by NCTB
2. Text Book English Grammar & Composition by NCTB

Subject: Information and Communication Technology

| Class Test | Half Yearly& Annual | Pre-Test & Test |
|---|---|---|
| Class Test- 1 Chapter-1: ICT world and Bangladesh perspective | Half Yearly Exam Chapter-1: ICT: World and Bangladesh perspective Chapter-3: Number system Chapter-3: Digital device | Pre-Test Examination Chapter-5: Programming language Chapter-6: Database Management System |
| Class Test- 2 Chapter-2: Communication System & Networking | Annual Exam Chapter-1: ICT: World and Bangladesh perspective Chapter-2: Communication System & Networking Chapter-3: Number system & Digital device Chapter-4: Introduction to webpage design & HTML | Test Examination All chapters. |

Note: Syllabus can be changed by subject teacher under any circumstances.

Marks Distribution of All Class Test

| | |
|----------|-----------------|
| Creative | 10×1=10 |
| MCQ | 1×10=10 |
| | Total=20 |

Mark Distribution of All Term Examination

| | |
|-------------------|------------------|
| Creative question | 10×5=50 |
| M.C.Q | 1×25=25 |
| Practical | =20 |
| Attendance | =05 |
| | Total=100 |

Reference Book:

1. ICT Text Book prescribed by NCTB.
2. Md. Mahbubur Rahman
3. A.Z.M. Asaduzzaman
4. Md. Mahfuzur Rahman & Md. Rasel Kabir
5. Forhad Monjur and others
6. Prokash Kumar Das and Engineer Mehedi Hasan

Practical book

1. Md. Mahbubur Rahman
2. A.Z.M. Asaduzzaman

Subject: Physics 1st and 2nd Paper

| Class Test | Half Yearly & Annual | Pre-Test & Test |
|--|---|---|
| <p><u>Class Test-1</u></p> <p>First paper :</p> <p>2nd Chapter – Vector</p> <p>3rd Chapter – Dynamics</p> <p>10th Chapter - Ideal Gas and Kinetic Theory of Gases</p> <p>Second Paper:</p> <p>6th Chapter-Geometrical Optics</p> | <p><u>Half Yearly Examination</u></p> <p>First Paper :</p> <p>4th Chapter – Newtonian Mechanics and repetition of Chapters of 1st Class test</p> | <p><u>Pre-test</u></p> <p>First Paper :</p> <p>9th Chapter - Wave</p> <p>Second Paper :</p> <p>3rd Chapter-Current electricity</p> <p>4th Chapter-Magnetic Effects of Current and Magnetism</p> <p>7th Chapter - Physical Optics.</p> <p>8th Chapter-Introduction to Modern Physics</p> |
| <p><u>Class Test-2</u></p> <p>First Paper :</p> <p>5th Chapter – Work , Energy & Power</p> <p>6th Chapter - Gravitation and Gravity</p> <p>8th Chapter - Periodic motion</p> <p>Second Paper :</p> <p>1st Chapter – Thermodynamics</p> <p>2nd Chapter - Static Electricity</p> | <p><u>Annual Examination</u></p> <p>First Paper :</p> <p>7th Chapter - Structural Property of Matter</p> <p>Second Paper :</p> <p>3rd Chapter – Current electricity</p> <p>Syllabus of 2nd Class test will be included.</p> | <p><u>Test Examination</u></p> <p>** 1st Paper and 2nd Paper whole syllabus will be included.</p> |

Marks distribution for first Term Examination

| | |
|---|-----|
| Class test- 1 (20 marks) | =20 |
| Class attendance | =05 |
| Half Yearly exam (theoretical) : Creative - | =50 |
| MCQ- | =25 |

Total=100

Marks distribution for theoretical exam:

A) Creative questions – 50 marks.

Out of 8 questions any five have to write.

Each of the questions carries 10 marks

$$10 \times 5 = 50$$

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01

$$01 \times 25 = 25$$

Total theoretical marks= 75

Marks distribution for annual examination

Class test- 2 (20 marks) and Practical (20)

$$40 \div 2 = 20$$

Class attendance

$$= 05$$

Annual exam (theoretical) : Creative -

$$= 50$$

MCQ-

$$= 25$$

Total = 100

Marks distribution for Practical exam:

1. Experiment (1)

$$= 10$$

2. Identification

$$= 02$$

3. Note book

$$= 03$$

4. Viva

$$= 05$$

Total=20

Marks distribution for theoretical exam:

A) Creative questions – 50 marks.

Out of 8 questions any five have to write.

Each of the questions carries 10 marks.

$$10 \times 5 = 50$$

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks

$$1 \times 25 = 25$$

Total = 75

Marks distribution for pre-test examination

Class test- 3

$$20$$

Class attendance

$$05$$

Annual exam (theoretical) : Creative-

$$50$$

MCQ-

$$25$$

Total =100

Marks distribution for theoretical exam:

A) Creative questions – 50 marks

Out of 8 questions any five have to write.

Each of the questions carries 10 marks.

$$10 \times 5 = 50$$

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks

$$1 \times 25 = 25$$

Total = 75

Marks distribution for test examination

| | |
|--|----|
| Practical | 25 |
| Annual exam (theoretical) : Creative - | 50 |
| MCQ- | 25 |
| <hr/> | |
| Total =100 | |

Marks distribution for theoretical exam:

A) Creative questions – 50 marks.

Out of 8 questions any five have to write.

Each of the questions carries 10 marks. 10×5=50

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks 01×25=25

Total=75

****Marks distribution of practical exam of 2nd Paper**

Dissection (Dissection and Presentation-6, figure-2) =08

Identification (3×3) =09

Viva Voice =05

Note Book =03

Total = 25

Second paper: Same as first paper.

Reference Book:

1. Dr. Shahjahan Tapon and Muhammad Aziz Hasan
2. Professor Abu Ishaq
3. Professor A.T.M Samsur Rahman Shelu and Zakaria Towhid

Subject: Chemistry 1st and 2nd Paper

| Class Test | Half Yearly & Annual | Pre-Test & Test |
|--|---|--|
| <u>Class Test-1</u> First Paper: Chapter-1 Chapter-2 Chapter-3 | <u>Half Yearly Exam</u> First Paper : Chapter-1 Chapter-2 Chapter-3 Second Paper : Chapter-3 | <u>Pre-test</u> First Paper : Chapter-4 Chapter-5 Second Paper : Chapter-1 Chapter-2 Chapter-5 |
| <u>Class Test-2</u> Second Paper : Chapter-2 Chapter-3 | <u>Annual Exam</u> First Paper : Chapter-1 Chapter-2 Chapter-3 Second Paper : Chapter-4 | <u>Test Examination</u> Full syllabus: 1 st paper and 2 nd Paper |

Marks distribution for first Term Examination

| | |
|---|-----|
| Class test- 1 (20 marks) | =20 |
| Class attendance | =05 |
| Half Yearly exam (theoretical) : Creative - | =50 |
| MCQ- | =25 |

Total=100

Marks distribution for theoretical exam:

A) Creative questions – 50 marks.

Out of 8 questions any five have to write.

Each of the questions carries 10 marks

$$10 \times 5 = 50$$

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01

$$01 \times 25 = 25$$

Total theoretical marks= 75

Marks distribution for annual examination

| | |
|---|---------|
| Class test- 2 (20 marks) and Practical (20) | 40÷2=20 |
| Class attendance | =05 |
| Annual exam (theoretical) : Creative - | =50 |
| MCQ- | =25 |
| <hr/> | |
| Total = 100 | |

Marks distribution for Practical exam:

| | |
|-------------------|-----|
| 1. Experiment (1) | =10 |
| 2. Identification | =02 |
| 3. Note book | =03 |
| 4. Viva | =05 |
| <hr/> | |
| Total=20 | |

Marks distribution for theoretical exam:

A) Creative questions – 50 marks.

Out of 8 questions any five have to write.

Each of the questions carries 10 marks.

$$10 \times 5 = 50$$

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks

$$1 \times 25 = 25$$

$$\text{Total} = 75$$

Marks distribution for pre-test examination

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

Marks distribution for theoretical exam:

A) Creative questions – 50 marks

Out of 8 questions any five have to write.

Each of the questions carries 10 marks.

$$10 \times 5 = 50$$

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks

$$1 \times 25 = 25$$

$$\text{Total} = 75$$

Marks distribution for test examination

| | |
|--|----|
| Practical | 25 |
| Annual exam (theoretical) : Creative - | 50 |
| MCQ- | 25 |
| <hr/> | |
| Total =100 | |

Marks distribution for theoretical exam:

A) Creative questions – 50 marks.

Out of 8 questions any five have to write.

Each of the questions carries 10 marks.

10×5=50

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks

01×25=25

Total=75

****Marks distribution of practical exam of 2nd Paper**

Dissection (Dissection and Presentation-6, figure-2) **=08**

Identification (3×3) **=09**

Viva Voice **=05**

Note Book **=03**

Total = 25

Second paper: Same as first paper.

Reference Book:

1. Haradhan Nath
2. Sanjit Kumar Guha
3. Swapan Kumar Mistry
4. Mahbub Linkon
5. Md. Jainul Abedin
6. Biplob Kumar Dev
7. Dr. Mohsin

Subject: Higher Mathematics 1st and 2nd Paper

| Class Test | Half Yearly & Annual | Pre-Test & Test |
|---|---|---|
| <u>Class Test-1</u> 1st paper : Chapter: 1, 3.1-3.5, 6.1-6.2 | <u>Half Yearly Examination</u> 1st Paper : Chapter: 1, 2, 3, 6, 7.1-7.5, 9.1-9.6, 10.1-10.3 2nd Paper : Chapter: 1, 3 | <u>Pre-test</u> 2nd paper: Chapter: 1, 2, 3, 4, 5, 6, 8, 9, 10 |
| <u>Class Test-2</u> 1st paper : Chapter: 4, 8, 9.1-9.3 | <u>Annual Examination</u> 1st paper : Chapter : 4, 5, 7.6-7.7, 8, 9.7- 9.9, 10.4-10.7 2nd Paper : Chapter: 2, 7 | <u>Test Examination</u> According to board syllabus 1 st Paper and 2 nd Paper |

Marks Distribution of Term Examination

| | |
|-------------------------------------|----|
| Class Test | 20 |
| Class Attendance | 05 |
| Theoretical examination - Creative- | 50 |
| MCQ- | 25 |
| Total = 100 | |

Marks Distribution of Theoretical Examination:

| | |
|--|----|
| (a) Creative Question: | |
| Total 8 questions (4+4) in 2 groups will be given out of them | |
| 5 questions are to be answered. From each group at least two questions are to be answered. Each question carries 10 marks. | 50 |
| (b) MCQ | |
| Total 25 questions will be given. All questions are to be answered | |
| Each Question carries 01 marks | 25 |
| Total= 75 | |

Marks distribution of practical examination

| | | |
|------------|--|------------------|
| Experiment | Theory | 03 |
| | Use of instruments and Data Collection | 05 |
| | Calculation and Analysis | 04 |
| | Presentation of results with explanation | 05 |
| | Viva voce | 05 |
| | Practical Note book | 03 |
| | | Total= 25 |

Reference Book:

1. Md. Surujuddin Ahmed and Md. Abdul Jabbar
2. Md. Rafiqul Islam & Md. Habibur Rahman
3. Md. Nazrul Islam and Md. Katab Uddin
4. Ashim Kumar Saha and others
5. A.M.M Ahsan Ullah & Tahmina Begum
6. Bipul Chandra, Md. Aminur Rahman and others

Subject: Biology 1st and 2nd Paper

| Class Test | Half Yearly & Annual | Pre-Test & Test |
|---|--|---|
| <p><u>Class test-1</u> First Paper: 1st Chapter - Cell and it's structure</p> <p>Second paper: 1st Chapter - Animal diversity and classification</p> | <p><u>Half Yearly exam</u> First Paper: 2nd Chapter - Cell division 3rd Chapter - Cell chemistry</p> <p>Second Paper: 2nd Chapter- Introduction to animal 3rd Chapter - Human physiology: Digestion and absorption</p> | <p><u>Pre- test exam</u> First Paper : 6th Chapter – Bryophyta & Pteridophyta 7th Chapter - Gymnosperm and Angiosperm plants 8th Chapter - Tissue and Tissue system 9th Chapter -Plant physiology Second Paper: 6th Chapter - Human physiology: Waste & Elimination 7th Chapter -Human physiology: Movement and Locomotion 8th Chapter - Human physiology: Coordination and Control 9th Chapter - Human physiology: Continuation of human life</p> |
| <p><u>Class test- 2</u> First Paper: 4th Chapter – Micro organisms</p> <p>Second Paper: 4th Chapter - Human physiology: Blood and blood circulation</p> | <p><u>Annual Exam</u> First Paper : 5th Chapter - Algae and Fungi</p> <p>Second Paper : 5th Chapter - Human physiology: Respiration and Breathing</p> | <p><u>Test exam</u> First Paper : 10th Chapter - Plant reproduction 11th Chapter - Biotechnology 12th Chapter – Environment, Distribution and Conservation of organisms Second Paper : 10th Chapter - Human physiology: Immunity system of human body 11th Chapter - Genetics and Evolution 12th Chapter -Animal behavior</p> |

Marks distribution for first Terminal Examination

| | |
|---|-----|
| Class test- 1 (20 marks) | =20 |
| Class attendance | =05 |
| Half Yearly exam (theoretical) : Creative - | =50 |
| MCQ- | =25 |
| Total=100 | |

Marks distribution for theoretical exam:

A) Creative questions – 50 marks.

Out of 8 questions any five have to write.

Each of the questions carries 10 marks 10×5=50

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 01×25=25

Total theoretical marks= 75

Marks distribution for annual examination

| | |
|---|---------|
| Class test- 2 (20 marks) and Practical (20) | 40÷2=20 |
| Class attendance | =05 |
| Annual exam (theoretical) : Creative - | =50 |
| MCQ- | =25 |
| Total = 100 | |

Marks distribution for Practical exam:

| | |
|-------------------|-----|
| 1. Experiment (1) | =10 |
| 2. Identification | =02 |
| 3. Note book | =03 |
| 4. Viva | =05 |
| Total=20 | |

Marks distribution for theoretical exam:

A) Creative questions – 50 marks.

Out of 8 questions any five have to write.

Each of the questions carries 10 marks. 10×5=50

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks 1×25=25

Total = 75

Practical exam syllabus of 1st Paper

1. Observation of plant diversity.
2. Different stage of mitosis 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 photo synthesis.
7. Examination of an aerobic respiration

Marks distribution for pre-test examination

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

Marks distribution for theoretical exam:

A) Creative questions – 50 marks

Out of 8 questions any five have to write.

Each of the questions carries 10 marks. 10x5=50

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks 1x25=25

Total = 75

Marks distribution for test examination

| | |
|--|----|
| Practical | 25 |
| Annual exam (theoretical) : Creative - | 50 |
| MCQ- | 25 |
| <hr/> | |
| Total =100 | |

Marks distribution for theoretical exam:

A) Creative questions – 50 marks.

Out of 8 questions any five have to write.

Each of the questions carries 10 marks. 10x5=50

B) MCQ - 25 marks

25 questions are to give.

Each of the questions has equal value and carries 01 marks 01x25=25

Total=75

****Marks distribution of practical exam of 2nd Paper**

| | |
|---|-------------------|
| Dissection (Dissection and Presentation-6, figure-2) | =08 |
| Identification (3×3) | =09 |
| Viva Voice | =05 |
| <u>Note Book</u> | <u>=03</u> |

Total = 25

Second paper: Same as first paper.

Practical syllabus of 2nd Paper

1. Study of museum specimen
2. Study of permanent slide
3. Study of mouth parts of cockroach
4. Study of efferent branchial system (Rohu fish)
5. Study of Afferent branchial system (Rohu fish)
6. Study of operculum of fish
7. Study of air bladder of fish
8. Study of skeletal system of human.

Reference Book:

1. Prof. Dr. Md. Abul Hasan (1st Paper)
2. Gazi Azmal & Asmat (2nd Paper)
3. Dr. Md. Abdul Alim (1st & 2nd Paper)
4. Prof. Md. Nazim Uddin (1st & 2nd Paper)
5. Prof. Dr. Md. Azibor Rahman (1st Paper)
6. Prof. Dr. Noor-Parvin Khonon (2nd Paper)
7. Prof. Md. Ashraf Uddin (2nd Paper)
8. Pranbandhu Biswas (1st Paper)

Subject: Engineering Drawing and Workshop Practice

1st and 2nd Paper

| Class Test | Half Yearly & Annual | Pre-Test & Test |
|--|--|--|
| <u>Class Test-1</u> 1st paper 1. Drawing instruments and their uses. 2. Standard of lines and methods of dimensioning. 3. Triangle, Quadrilateral, Polygon Geometrical. 4. Figures of equal areas. 2nd paper 1) Safety practices at wood workshop. 2) Introduction of timber & uses. 3) Timber tree and conversion of timber | <u>Half Yearly Examination</u> 1st paper 1. Tangent to circles & Ellipse. 2. Enlarging or Reducing plane figures. 3. Lettering & Numbering. 4. Plain scale and Diagonal scale. 5. Conventional signs (Symbols). 6. Revision of the 1 st class test syllabus. 2nd paper 1) Safety practices at wood workshop. 2) Introduction of timber & uses. 3) Timber tree and conversion of timber 4) Identification and Uses of Industrial Timber | <u>Pre-Test Examination</u> 1st Paper 1. Building door & Windows. 2. Draw building plan, section & elevation for single & double room. 3. Screw threads. 4. Machine Screws. 5. Square & Hexagonal Nut 5. Rivets 2nd Paper 1) Safety practices at wood workshop. 2) Introduction of timber & uses. 3) Timber tree and conversion of timber 4) Introduction to the tools used for wood work 5) Adhesives used for wood work 6) Defects and decay of timber |

| Class Test | Half Yearly & Annual | Pre-Test & Test |
|---|--|---|
| Class Test-2 1st paper 1. Isometric view. 2. First and third angle projection. 3. Projection of points, lines & planes. 4. Projection of Solids; Cube, Prism, Pyramid, Cylinder, Conc. 5. Development of prism, pyramid, cylinder & conc. 2nd paper 1) Introduction to the tools used for wood work 2) Adhesives used for wood work | Annual Examination 1st paper 1. Projection of Engineering drawing Instruments. 2. First angle projection, Oblique projection, Isometric view. 3. Revision of 2 nd class test syllabus. 2nd paper 1) Safety practices at wood workshop. 2) Introduction of timber & uses. 3) Timber tree and conversion of timber 4) Identification and Uses of Industrial Timber 5) Adhesives used for wood work | Test Examination 1st Paper & 2nd Paper whole syllabus. |

Marks Distribution of Term exam

| | |
|----------------------------|--------------|
| Class Test | =20 |
| Work book | =15 |
| Class attendance | =05 |
| Written test (Theoretical) | =60 |
| Total | = 100 |

Marks Distribution of Written Test

| | |
|---|------------|
| 1st paper out of 12 questions -6 are to be answer | 10 ×6 = 60 |
| 2 nd paper out of 10 questions -5 are to be answer | 5 ×8 = 40 |

Reference Book:

- Engineering drawing and workshop practice 1st paper (NCTB)
আ. ম. শফিউদ্দিন আহমেদ
মোঃ ইব্রাহিম হোসেন
- Engineering drawing and workshop practice 1st paper- Md. Arifur Rahman Sardar
- Engineering drawing and workshop practice 2nd paper- Md. Arifur Rahman Sardar
- Prathomik Engineering drawing (Reference Book)- শ্রী হেমন্ত কুমার ভট্টাচার্য্য
- Engineering drawing and workshop practice 2nd paper (NCTB).
আ. ম. শফিউদ্দিন আহমেদ
মোঃ ইব্রাহিম হোসেন

Subject: Statistics 1st and 2nd Paper

| Class Test | Half Yearly & Annual | Pre-Test & Test |
|---|---|--|
| <u>Class Test-1</u> 1st Paper: Chapter-1: Statics, variable and concepts of different symbols. Chapter-2: Data collection, presentation and organization of data. 2nd Paper: Chapter-1: Probability Practice: Probability (Practice) Chapter-2: Random variable & probability function. Chapter-2: Random variable & probability function. | <u>Half Yearly Exam:</u> 1st Paper: Chapter-1: Statics, variable and concepts of different symbols. Chapter-3: Central tendency 2nd Paper: Chapter-1: Probability Chapter-2: Random variable & probability function. | <u>Pre-Test</u> 1st Paper: Chapter-5: Skewness and Kurosis (Practice) Chapter-6: Correlation and regraession and practice 2nd Paper: Chapter-5: Poisson distribution Chapter-6: Normal distribution |
| <u>Class Test-2</u> 1st Paper: Chapter-4: Measures of dispersion Chapter-5: Moments, skewness and kurtosis 2nd Paper: Chapter-3: Random variable & mathematical expectation Chapter-4: Nomial distribution (Practical) | <u>Annual Exam</u> 1st Paper: Chapter-1, 2, 3 repetition (Chapter- 4, 5) 2nd Paper: Chapter-1, 2, 3, 4 (Practical of all chapter) | <u>Test</u> 1st Paper: Whole book. 2nd Paper: Whole book. |

Marks Distribution of Class Test

Marks distribution of a creative question:

| | |
|--------------------|-----------------|
| Class test | 20 |
| Presentation class | 5 |
| | Total=25 |

Marks Distribution of Term Examination

| | |
|---|------------------|
| Class test | =20 |
| Presentation class | =05 |
| Term exam (theoretical) : Creative questions 5 out of 8 | 10×5=50 |
| MCQ- | 1×25=25 |
| | Total=100 |

Reference Book:

- | | |
|-------------------|-----------------------------|
| 1. Md. Abdul Aziz | 2. Md. Siddikur Rahman |
| 3. Md. Elias | 4. Md. Ahasanul Kabir Mithu |

Notes