

**St. Patrick's Higher Secondary School, Asansol**  
**CLASS :12**  
**SYLLABUS FOR THE SESSION: 2024- 25**

**English Language**

There will be two papers in English Language:

**Paper I:** Theory (3 hours): 80 Marks

**Paper II:** Project Work: 20 Marks

**PAPER I: THEORY - 80 Marks**

**MID TERM**

1) Question One:

A composition on one of a number of subjects.(narrative , descriptive, reflective, argumentative, discursive topics and short story)

... 20 Marks

2) Question Two: 15 Marks

(a) Directed writing

(i)Statement of purpose

(b) Proposal Writing based on a given situation. The proposal should include

(i) An Introduction (ii) Objectives (iii) List of measures to be taken. A concluding statement is Desirable.

...10 Marks

3) Question Three:

Short-answer questions to test grammar, structure and usage. ...15 Marks

(i) Transformation of sentences

(ii) Phrasal verbs

(iii) Tenses

4) Question Four:

Comprehension. ...20 Marks

All questions are compulsory.

# Class 11 syllabus included in the First term.

Note: Full Syllabus in the Language Paper for Pre- mock and Mock.

## FORMAT OF THE QUESTION PAPER

### ENGLISH LANGUAGE

**F.M.- 80**

**Time: 3 hours**

#### Question 1

Composition (400-450 words) [20 marks]

Candidates will be required to select one composition out of the **six** choices, namely narrative, descriptive, reflective, argumentative, discursive topics and a short story.

#### Question 2

(a) Directed Writing (250-300 words) based on the given outline points in the question paper :  
[15 marks]

(b) Proposal Writing based on a given situation. The proposal should include an introduction, objectives and a list of measures to be taken. A concluding statement is desirable. Candidates will also be marked on linguistic ability. [10 marks]

#### Question 3

Short answer questions to test grammar, structure and usage.

- (a) Transformation of Sentences according to the instructions given below. [1x5= 5 marks]  
(b) Phrasal verbs [1/2x10= 5 marks]  
(c) Correct Usage of Verbs [1/2x10= 5 marks ]

#### Question 4

Comprehension Passage of 700 words.

- (a) Synonyms [3 marks]  
(b) Sentences to bring out differences in meaning (MCQ) [3 marks]  
(c) Question and Answers [2x3=6 marks]  
(d) Summary (100 words) [8 marks]

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### English Literature

There will be two papers in Literature in English:

**PAPER I:** Theory (3 hours) - 80 Marks

**PAPER II :** Project Work: 20 Marks

#### FIRST TERM

**DRAMA:** Macbeth-William Shakespeare - Acts 3& 4

**PROSE:** [PRISM: A Collection of ISC Short Stories]

1. Atithi/Guest - Rabindranath Tagore

2. The Cookie Lady - Philip K. Dick
3. There Will Come Soft Rains - Ray Bradbury

**POETRY: [RHAPSODY: A Collection of ISC Poems]**

1. Telephone Conversation - Wole Soyinka
2. Tithonus - Alfred, Lord Tennyson
3. Beethoven - Shane Koyczan

**PRE MOCK**

**DRAMA:** Macbeth-William Shakespeare - Acts 5

**PROSE: [PRISM: A Collection of ISC Short Stories]**

1. Indigo Satyajit Ray
2. The Medicine Bag - Virginia Driving Hawk Sneve

**POETRY:[ RHAPSODY: A Collection of ISC Poems]**

1. Small Towns and the River - Mamang Dai
2. Death be not Proud - John Donne

(Note: First term syllabus included in **Pre Mock** and full syllabus in **Mock** Examinations.)

**FORMAT OF THE QUESTION PAPER**

**Class 12 ENGLISH LITERATURE**

**FM: 80**

**TIME: 3 HRS**

**SECTION A (COMPULSORY) [ 20 MARKS]**

**Question 1:**

Multiple choice questions from all the three prescribed text books,

DRAMA, PROSE AND POETRY [ 1X 10 = 10 Marks]

**Question 2:**

Complete the sentences giving a reason from DRAMA, PROSE AND POETRY. [ 1X 10 = 10 MARKS]

**SECTION B : 60 MARKS ( SUBJECTIVE)**

**DRAMA- MACBETH BY SHAKESPEARE**

**Question 3:**

- i) Subjective Question - 5 Marks
- ii) Subjective Question - 5 Marks
- iii) Subjective Question-- 10 Marks (Any **one** from a choice of TWO questions.)

## **PRISM : A COLLECTION OF ISC SHORT STORIES**

### **Question 4:**

- i) Subjective Question - 5 Marks
- ii) Subjective Question - 5 Marks
- iii) Subjective Question - 10 Marks ( Any **one** from a choice of TWO questions.)

## **RHAPSODY - COLLECTION OF ISC POEMS**

### **Question 5:**

- i) Subjective Question - 5 Marks
- ii) Subjective Question -5 Marks
- iii) Subjective Question -10 Marks. ( Any **one** from a choice of TWO questions.)

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## **HINDI**

### **MID TERM**

#### **SECTION A [LANGUAGE] 40 Marks**

- 1) Composition (Essay) 400 words 15 marks
- 2) Comprehension 15 marks
- 3) Grammar: 1) Idioms 5 marks
- ii) Correction of sentences 5 marks

#### **SECTION B [LITERATURE] 40 MARKS**

##### **GadhyaSanklan**

Ch 6: Dasi

Ch 7: Kya Nirash Hua Jaye

Ch 8: Bhaktin Questions will come from (ch 1,2,3,4,5,6,7,8)

##### **Kavya Manjari**

Ch 6: Tulsidaske Pad

Ch 7: Jag Tujhko Door jaanahain

Ch 8: Udyami Nar Questions will come from (ch. 1,2,3,4,5,6,7,8)

**Aashadh Ka Ek din Ank 3 Questions will come Ank 1,2,3**

**FINAL TERM**

**SECTION A LANGUAGE 40 Marks**

- |                                  |          |
|----------------------------------|----------|
| 1) Composition (Essay) 400 words | 15 marks |
| 2) Comprehension                 | 15 marks |
| 3) Grammar i) Idioms             | 5 marks  |
| ii) Correction of sentences      | 5 marks  |

**SECTION B [LITERATURE] 40 MARKS**

**Gadhya Sanklan**

Ch9: Sanskriti Kya Hain

Ch10: Majboori (Questions will come from FULL BOOK)

**Kavya Manjari**

Ch9: Baadal ko Ghirte Dekhahain

Ch10: Andhere Ka Deepak (Questions will come from FULL BOOK)

**Aashadh Ka Ek din (Questions will come from FULL BOOK FORMAT OF QUESTION PAPER)**

**(HINDI) - Time: 3 Hrs FM: 80**

**Section A (Language) (40 Marks)**

- |                  |                               |
|------------------|-------------------------------|
| 1) Essay         | 15 Marks                      |
| 2) Comprehension | 15 Marks(3x3 marks) (6x1 mcq) |
| 3) Grammar       | 10 Marks (mcq)                |

**Section B (Literature)(40 Marks)**

Any Four Questions out of Nine Questions are to be attempted. One question is compulsory from each book of three books. Three Question from GadhyaSankalan, Three Question from Kavya Manjari and Three Question from Aashadh ka ek din (Drama) (4X10=40)

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## **BENGALI**

Text:1. Kobita Sonkalon.

2.Novel: Koni.

3. Probondho O Godyo Sonkalon.

### **Term-1/Section “A”(Language) 40marks**

- 1) Essay (250Words) -15 marks.
- 2) Comprehension.-15 marks.
- 3) Grammar-10 marks. (M. C. Q)
  - i) Bananan Shuddho.
  - ii) Dhannattak Shobdo.
  - iii) Bakyo Sonshodhon.
  - iv) Idioms.

### **Section B**

Literature-(40 marks)

Probondho O Godyo Sonkalon.

i) Record, ii) Birjoshulka, iii) Adab.

2.kobita sonkalon.. I)Salemoner Maa.

ii)Rasta Karor Ekar Noy.

iii) Noon.

3)Novel: Koni-Chapter 8,9,10,11.

### **Term 2**

Section “A”/ Language.40marks.

- 1) Essay (250words)15marks.
- 2) Comprehension-15marks.
- 3) Grammar-10 marks. (M. C. Q)
  - I) Baanaan Shuddho.
  - II) Dhannattok Shobdo.
  - III) Bakyo Sonshodhon.
  - IV) Idioms.

➤  Class: XI syllabus included

Section-“B” Literature 40 marks.

1) Probondho O Godyo Sonkolan.

i)LachmonerMaa.

ii) Ekti Tulsi Gacher Kahini.

iii)Na Paharar Porikkha.

2.Kobita sonkalon.

- i) Swadhinata Tumi.
- ii) Jodi Nirbason Dao.
- iii) Baborer Prarthona.

3. Novel: Koni.Chapter 12,13,14.

➤ Class: XI syllabus included

Format of question paper:-\_Theory: 80 marks Project: 20 marks

Time : 3 Hrs                      FM : 80

Section A	(Language)	(40 Marks)
1)	Essay	15 Marks
2)	Comprehension (6x1 mcq)	15 Marks(3x3 marks )
3)	Grammar	10 Marks(mcq)
Section B	(Literature)	(40 Marks)

Any Four Questions out of Nine Questions are to be attempted.

One question is compulsory from each book of three books.

Three Question from prabandha o Godya Sankalon, Three Question from Kabita sankalan and Three Question from Koni (novel).

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## **MATHEMATICS**

TEXT BOOK – UNDERSTANDING ISC MATHEMATICS CLASS XII (VOL 1 & VOL 2)

BY M. L. AGGARWAL.

### **MID TERM**

#### **SECTION A**

1. RELATIONS AND FUNCTIONS (excluding Composition of Functions and Binary Operations).
2. INVERSE TRIGONOMETRIC FUNCTIONS.
3. MATRICES (excluding elementary operations).
4. DETERMINANTS.
5. CONTINUITY AND DIFFERENTIABILITY.
7. APPLICATION OF DERIVATIVES (excluding Approximations and Errors).
8. INTEGRATION (up to EXERCISE 8.14).

## **SECTION B**

1. VECTORS.
2. 3-DIMENSIONAL GEOMETRY.

## **SECTION C**

1. APPLICATION OF CALCULUS AND COMMERCE IN ECONOMICS.
2. LINEAR REGRESSION.

## **PRE-ISC (FULL SYLLABUS): (Following the scope of ISC Revised Syllabus 2025)**

### **Question Paper Pattern:**

#### **Section A (65 marks)**

Question 1) 15 questions of 1 mark =  $15 \times 1 = 15$  marks.

Questions 2 to 6) 5 questions of 2 marks each =  $5 \times 2 = 10$  marks

Questions 7 to 10) 4 questions of 4 marks each =  $4 \times 4 = 16$  marks.

Questions 11 to 14) 4 questions of 6 marks each =  $4 \times 6 = 24$  marks.

#### **Section B / Section C (15 marks)**

Question 15 / Question 19) 5 questions of 1 mark =  $5 \times 1 = 5$  marks.

Question 16 / Question 20) 1 question of 2 marks =  $1 \times 2 = 2$  marks

Questions 17 and 18 / Question 21 and 22) 2 questions of 4 marks each =  $2 \times 4$

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## **PHYSICS**

**Midterm:** 1) Electrostatics

2) Current Electricity

3) Magnetic Effects of current & Magnetism

4) Electromagnetic Induction & Alternating currents

5) Electromagnetic Waves

6) Electronic Devices



Pre ISC exam:

- 1) Optics (Ray optics & wave optics)
- 2) Dual nature of radiations & Matter (Including photo electric effects)
- 3) Atoms
- 4) Nuclei (excluding Radio activity)

Midterm chapters are also included in Pre ISC examination

Question Pattern: ISC question pattern to be strictly adhered

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## **CHEMISTRY**

### **MID TERM**

1. SOLUTIONS
2. ELECTROCHEMISTRY
3. HALOALKANES ANDHALOARENES
4. ALCOHOLS PHENOLS ANDEETHERS
5. COORDINATIONCHEMISTRY

### **FINAL TERM**

1. CHEMICALKINETICS
2. d,f BLOCKELEMENTS
3. ALDEHYDES, KETONES AND CARBOXYLICACIDS
4. NITROGEN CONTAININGCOMPOUNDS
5. BIOMOLECULES

FINAL TERM EXAM WILL BE ON FULL SYLLLABUS

Question Pattern-

Section A ( 14 marks)

Section B (20 marks) (10×2)

Section C (21 marks)(7×3)

Section D( 15 marks) (5×3)

(ISC Pattern)

Book- latest version of Nootan ISC Chemistry (Nageen Publication)

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## **BIOLOGY**

**Mid term**

**Unit 1: Reproduction**

Ch-2 Sexual Reproduction in flowering plants

Ch-3 Human Reproduction

**Unit-2: Genetics**

Ch-5 Principles of Inheritance and variations

Ch-6 Molecular basis of Inheritance

**Unit-3: Biology and Human welfare**

Ch-10 Human Health and disease

**Unit -4 Biotechnology and its application**

Ch-13. Biotechnology: principles and process

Ch-14 Biotechnology Application

**Unit-5: Ecology and Environment**

Ch-16 Ecosystem

Ch-17 Biodiversity and its conservation

**FINAL TERM**

Ch-4 Reproductive health (UT-1)

Ch-8 Evolution (UT-2)

Ch-12 Microbes in Human Welfare (UT-3)

Ch-15 Organism and population (UT-5)

**Including the mid term syllabus**

**Note:**

**Format of the Question Paper**

Section-A: 20 Marks (objective)

Section B: 14 Marks (subjective)

Section C: 21 Marks (subjective)

Section D: 15 Marks (subjective)

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**COMPUTER SCIENCE**

**Textbook: Computer Science with Java, By Sumita Arora, Dhanpat Rai & Co. Latest Edition**

Paper I : Theory - 70 Marks  
Paper II : Practical - 30 Marks

**Paper I : Theory**

**MID TERM**

Chapter 01 : Boolean algebra  
Chapter 02 : Computer Hardware  
Chapter 03 : Objects and Classes  
Chapter 04 : Java Revision Tour  
Chapter 05 : Primitive Values, Type Casting & Expressions  
Chapter 06 : Statements, Control Structures and Scope  
Chapter 07 : Functions/Methods  
Chapter 08 : Arrays and Strings  
Chapter 09 : Compiling and Running Java Programs  
Chapter 10 : Java Classes: An OOP Perspective  
Chapter 11 : Recursion  
Chapter 12 : Concept of Inheritance  
Chapter 13 : Simple Data Structures

**FINAL TERM**

Chapter 14 : Recursive Data Structure  
Chapter 15 : Computational Complexity

(Full ISC Syllabus)

**Question Paper Format**

As per ISC Question Pattern

