



NOPANY HGH

(I.C.S.E. & I.S.C Affiliated)
2-C, Nando Mullick Lane, Kolkata - 700006

Syllabus

(As per the reduced syllabus for ICSE- Class-X-2022)

Academic Session: 2021 - 2022

Class: X (Unit -II)

English Language		
Marks Distributions : (40+40+20) = 100		
SECTIONS	SECTION-A (40 MARKS)	SECTION B (40 MARKS)
SYLLABUS	(Entire Syllabus of SEMESTER I) 1. Comprehension 2. Grammar	(From SEMESTER II Syllabus) 1. Composition 2. Letter 3. Notice 4. Email
Mode of Questions	MCQ based	Descriptive type
Marks	40	40
No. of questions along with marks:	No. of Questions: 40 Marks: 1 Total Marks: (40 x 1) = 40	1. Composition- 20 marks 2. Letter-10 marks 3. Notice- 5 marks 4. Email- 5 marks Total Marks: (20+10+5+5)= 40 marks
Project Work= 20 marks		

English Literature		
Marks Distributions : (40+40+20) = 100		
SECTIONS	SECTION-A (40 MARKS)	SECTION B (40 MARKS)
SYLLABUS	(Entire Syllabus of SEMESTER I) 1. DRAMA: The Merchant of Venice Act 3 (Scenes 1, 2, 3, 4 & 5) 2.TREASURE TROVE: A Collection of ICSE Poems & Short Stories (a)Poems: (i) I Know Why the Caged Bird Sings – Maya Angelou (ii) The Patriot – Robert Browning (b)Short Stories: (i) The Little Match Girl – Hans Christian Andersen	(From SEMESTER II Syllabus) 1.DRAMA: The Merchant of Venice Act 4 (Scenes 1 & 2) 2.TREASURE TROVE: A Collection of ICSE Poems & Short Stories (a)Poem: (i) Nine Gold Medals - David Roth (b)Short Stories: (i) My Greatest Olympic Prize – Jesse Owens (ii) All Summer in a Day – Ray Douglas Bradbury

	(ii) The Blue Bead – Norah Burke	
Mode of Questions	MCQ based	Descriptive type
Marks	40	40
No. of questions along with marks:	No. of Questions: 40 Marks: 1 Total Marks: (40 x 1) = 40	No. of Questions: 4 out of 6 Marks: 10 (3+3+4) Total = (4x10= 40) marks
Project Work= 20 marks		

Mathematics		
Marks Distributions : (40+40+20) = 100		
SECTIONS	SECTION A (50 marks)	SECTION B (40 marks)
SYLLABUS	(Entire Syllabus of SEMESTER I) Unit 1: Commercial Mathematics (Chap 1, 2,) Unit 2: Algebra : (Chap 4,5,7,7, 8, 9,10) Unit 4: Geometry : Similarity (Chap 15)	(From SEMESTER II Syllabus) UNIT 3: Co- ordinate Geometry (Chap: 12,13 and 14) Unit 4 : Geometry : Circle (Chap 17 and 18) Unit 5 : Mensuration : Cylinder and Cone (Chap 20) Unit 6 : Trigonometry : (Chap 21 and 22)
Mode of Questions	MCQ based	Descriptive type
Marks	50	30
No. of question along with marks:	No. of Questions: 40 Marks: 1 No. Of Questions : 5 Marks : 2 Total Marks : (40 x 1) + (5 x 2) = 50.	Question 1 : Co-ordinate Geometry (4+ 3 + 3 = 10 Marks) Internal Option : 4 Marks Number of Question : 3 out of 4 Question 2 : Geometry : Circle : (3 + 3 = 6 marks) Internal Option : 3 Marks No. of Questions: 2 out of 3 Question 3: Mensuration : (4 + 3 = 7 Marks) Internal Option : 4 Marks No. Question: 2 out of 3 Question 4 : Trigonometry : (4 + 3 = 7 Marks) Internal Option \$ Marks Nos. of Question : 2 out of 3 Total Marks: (10 + 6 + 7 + 7) = 30
Project Work= 20 marks		

Biology

Marks Distributions : (50+30+20) = 100

SECTIONS	SECTION A (50 marks)	SECTION B (30 marks)
SYLLABUS	ENTIRE SYLLABUS FROM SEMESTER -1 UNIT1: Basic Biology CH -2-Cell Biology and Cell division & Structure of chromosome CH-3 Genetics UNIT -2 Plant Physiology CH-4 Absorption by Roots CH- 5 Transpiration CH-6 Photosynthesis	ENTIRE SYLLABUS FROM SEMESTER -2 UNIT –III –Human Anatomy and Physiology CH-8 The Circulatory system CH-9 The excretory system CH-10.Nervous System CH-11.Sense Organs CH-12 The endocrine system
Mode of Questions	MCQ based	Descriptive type
Marks	50	30
Number of Questions along with marks :	NUMBER OF QUESTIONS :50 EACH QUESTION IS OF 1 MARK	(ATTEMPT ANY THREE) EACH QUESTION IS OF (5X2) =10 MARKS.
Project Work= 20 marks		

Chemistry

Marks Distributions : (50+30+20) = 100

Sections	Section A(50 Marks)	Section B(30 Marks)
Syllabus	(Entire syllabus of Semester I) <ul style="list-style-type: none"> • Periodic properties and variations of properties • Chemical Bonding • Acid ,Bases and Salts • Analytical Chemistry • Mole concept and Stoichiometry • Electrolysis 	(From Semester II syllabus) <ul style="list-style-type: none"> • Metallurgy • Study of Compounds A: Hydrogen Chloride
Mode of questions	MCQ based	Descriptive

Marks	50	30
Number of questions and marks	No of Question:40 Each of 1 mark: (40x1)=40 No of Question:5 Each of 2 marks: (5x2)=10 Total Marks:50	Part I No of questions :6 Each of 2 marks Total: (6x2)=12 Part II No of questions:6 Each of 3 marks Total : (6x3)=18 Total Marks: (12+18)=30 (Options will be within the parts)
Project Work= 20 marks		

Physics		
Marks Distributions : (50+30+20) = 100		
SECTIONS	SECTION A (50 marks)	SECTION B (30 marks)
SYLLABUS	(Entire Syllabus of SEMESTER I) UNIT 1: FORCE, WORK, POWER AND ENERGY UNIT 2: LIGHT	(One unit from SEMESTER II Syllabus) UNIT 3: SOUND
Mode of Questions	MCQ based	Descriptive type
Marks	50	30
No. of questions along with marks	Part I No. of Questions: 40 Marks: 1 Part I: Total (40 x 1) = 40 Part II No. Question: 5 Marks: 2 Part II: Total (5 x 2) = 10 Total Marks: (40 + 10) = 50	Part I (Compulsory) No. of Questions: 5 Marks: 2 Part I: Total (5 x 2) = 10 Part II (Optional: 2 out of 3) No. Question: 2 out of 3 Marks: 10 (3+3+4) Part II: Total (10+10)= 20 Total Marks: 10(Part I) + 20(Part II) = 30
Project Work= 20 marks		

Geography

Marks Distributions : (50+30+20) = 100

SECTIONS	SECTIONA (50 marks)	SECTIONB (30 marks)
SYLLABUS	<p>(Entire Syllabus of SEMESTER I)</p> <p>UNIT 1: Interpretation of Topographical Maps.</p> <p>UNIT 2 :Location , Extent and Physical Features.</p> <p>UNIT 3 :Climate</p> <p>UNIT 4 :Soil Resources</p> <p>UNIT 5 :Natural Vegetation</p> <p>UNIT 6 :Water Resources</p>	<p>(From SEMESTER II Syllabus)</p> <p>UNIT 7:Map of India</p> <p>UNIT 8 :Conventional Sources of Energy</p> <p>UNIT 9 :Non- Conventional Sources of Energy</p> <p>UNIT 10 :Transport</p>
Mode of Questions	MCQ based	Descriptive type
Marks	50	30
No. of question along with marks:	<p>No. of Questions:50Marks :1 TotalMarks:50x1=50</p>	<p>Part I (Compulsory) Map of India No. of Questions: 6 Marks:1 Part I: Total (6x1) =6</p> <p>Part II(Optional) No of Questions :10(any 6) Marks : 2 Part II :Total (6x2) =12</p> <p>Part III (Optional) No of Questions : 6 (any 4) Marks : 3 Part III :Total (4x3) =12</p>
Project Work= 20 marks		

History And Civics

Marks Distributions : (50+30+20) = 100

Section A (50 marks)	Section B (30 marks)
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Syllabus : Entire Syllabus of SEMESTER 1

Civics :

Unit 1: The Union Legislature

History :

Unit 1 : The Indian National Movement (1857-1917)

Unit 2 : The Mass Phase of the National Movement (1915-1947)

Chapters :

Civics :

1. The Union Legislature

History :

1. The First War of Independence, 1857
2. The Rise of Nationalism and Foundation of the Indian National Congress
3. First Phase of the Indian National Movement : The Early Nationalists.
4. Second Phase of the Indian National Movement
5. The Rise of Assertive Nationalism
6. Formation and Objectives of the Muslim League and the Lucknow Pact of 1916
7. The National Movement and Mahatma Gandhi (1915-1947)
8. Subhas Chandra Bose and the INA
9. Towards Independence and Partition

Syllabus : **From SEMESTER 2 Syllabus**

Chapters :

Civics :

Chapter 2 : The Union Executive

History :

Chapter 10 : The First World War

Chapter 12 : The Second World War

Mode of Questions:MCQ based

Mode of Questions:
Descriptive Type

No. of Questions and Marks :

No. of Questions : 50

Marks : 1

Total Marks : $50 \times 1 = 50$ marks

No. of Questions and Marks :

Part I : All questions are Compulsory

No. of Questions : 5

Marks: 2

Part I : Total : $5 \times 2 = 10$ marks

Part II : (Any two out of three questions)

No. of Questions : **Two** out of Three

Marks : 10 (3+3+4)

Part II : Total : $(10 \times 2) = 20$ marks

Total Marks :30 marks

(Part I : 10 marks, Part II : 20 marks)

Project Work= 20 marks

Environmental Science		
Marks Distributions : (50+30+20) = 100		
SECTIONS	SECTION-A (50 marks)	SECTION-B (30 marks)
SYLLABUS	(Entire Syllabus of SEMESTER I) 1. Controlling Air Pollution 2. Addressing Population 3. Managing the Urban Environment 4. Managing Soil and Land 5. Food	(From SEMESTER II Syllabus) 6-BIODIVERSITY 7-ENERGY
Mode of Questions	MCQ based	Descriptive type
Marks	50	30
No. of questions along with marks:	No. of Questions: 50 Each carries: 1 mark Total Marks: 50 x 1 = 50	Part I (Short Questions) All compulsory No. of Questions: 5 Each carries: 2 marks Total (5 x 2) = 10marks Part II (long Questions) Attempt 5 out of 7 No. of Questions: 5 out of 7 Each carries: 4 marks Total (5 x 4) = 20marks Total Marks=Part-I (10) + Part-II (20)=30marks
Project Work= 20 marks		

Commercial Application		
Marks Distributions : (60+40+100) = 200		
SECTIONS	SECTION A(60 marks)	SECTION B(40 marks)
SYLLABUS	(Entire Syllabus of SEMESTER I) UNIT 1: Understanding the basics of Market and Marketing (Chapter: 1)	(Three units from SEMESTER II Syllabus) UNIT 2: Understanding Finance UNIT 3: Understanding human resources UNIT 4: Development of Public relations (Chapter: 2, 3 and 4)
MODE OF QUESTIONS	MCQ based	Descriptive type
MARKS	60	40

NUMBER OF QUESTIONS ALONG WITH MARKS	No. of Questions: 60 Marks: 1 Total Marks: (60 x 1) = 60	Part I (Compulsory) No. of Questions: 5 Marks: 2 Part I: Total (2x5) = 10 Part II (Optional) No. Question: 2 out of 3 Marks: 15 (5+5+5) Part II: Total (2 x 15) = 30 Total Marks: 10(Part I) + 30(Part II) = 40
Project Work= 100 marks		

Economic Applications		
Marks Distributions : (60+40+100) = 200		
SECTIONS SYLLABUS	SECTION A (60 marks) (Entire Syllabus of SEMESTER I)	SECTION B (40 marks) (From SEMESTER II Syllabus)
	UNIT 1: Demand and Supply: Basic Concepts (Chapter- 1, 2, 3) UNIT 2: Factors of Production: Basic Concepts (Chapter- 4) UNIT 3: Alternative market Structures: Basic Concepts (Chapter- 5)	UNIT 5: Money and Banking: Basic Concepts (Chapter: 9 and 10)
Mode of Questions	MCQ based	Descriptive type
Marks	60	40
No. of question along with marks:	No. of Questions: 60 Marks: 1 Total Marks: (60 x 1) = 60	Part I (Compulsory) No. of Questions: 5 Marks: 2 Part I: Total (5 x 2) = 10 Part II (Optional: 2 out of 3) No. Question: 2 out of 3 Marks: 15 (7+8) Part II: Total 2 x 15 = 30 Total Marks: 10(Part I) + 30(Part II) = 40
Project Work= 100 marks		

Computer Applications

Marks Distributions : (60+40+100) = 200

SECTIONS	SECTIONA (60 marks)	SECTIONB (40 marks)
SYLLABUS	(Entire Syllabus of SEMESTER I) UNIT 1: Revision of Class IX (From Concepts of OOP's till Iteration) UNIT 2: Class as the basis of all Computation. UNIT 3: User Defined Methods. Unit 4 : Constructors	(From SEMESTER II Syllabus) UNIT 5: Arrays and String Handling
Mode of Questions	MCQ based	Descriptive type
Marks	60	40
No. of question along with marks:	All Questions Compulsory No. of Questions: Total Marks: 60 Marks Distribution: 50 questions of 1 marks (50x1=50) 5 question of 2 marks (5x2=10)	Any 4 out of 6 No. of Questions : 4 Total Marks : 40 Marks Distribution : (4x10)=40 (Solve 4 out of 6)
Project Work= 100 marks		

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MARKS DISTRIBUTION (40+40+20=100 marks)

SECTIONS	SECTION A (40 marks)	SECTION B (40 marks)
SYLLABUS	(Entire syllabus of SEMESTER I) अपठित गद्यांश व्याकरण - भाववाचक संज्ञा, लिंग, पर्यायवाची शब्द, विलोम शब्द, अनेक शब्दों के लिए एक शब्द, मुहावरे, अशुद्ध शब्दों को शुद्ध करें, अशुद्ध वाक्यों को शुद्ध करिये। गद्य - बात अठनी की काकी महायज्ञ का पुरस्कार नेताजी का चश्मा पद्य - साखी गिरिधर की कुंडलिया स्वर्ग बना सकते हैं वह जन्मभूमि मेरी	(From SEMESTER II syllabus) निबंध - 1 . वर्तमान युग में इंटरनेट अपनी उपयोगिता के कारण एक आवश्यकता बनती जा रही है, इस विषय पर अपने विचार प्रकट करते हुए बताइए कि इंटरनेट जीवन में सुविधा के साथ-साथ मुसीबत किस प्रकार बन जाती है। 2 . खेल जो आपको सर्वाधिक प्रिय है , उसका वर्णन करिए। 3 . मजहब नहीं सिखाता आपस में बैर रखना , इस उक्ति को आधार बनाकर कोई एक मौलिक कहानी लिखिए।

		<p>पत्र लेखन - औपचारिक और अनौपचारिक पत्र।</p> <p>गद्य - भेड़ और भेड़िए दो कलाकार</p> <p>पद्य - विनय के पद चलना हमारा काम है।</p>
Mode of questions	MCQ based	Descriptive type
Marks	40	40
No. of question along with marks:	No of question: 40 Marks:1 Total Marks: 40x1=40	<p>निबंध : 12 Marks पत्रलेखन : 8 Marks गद्य : 2+2+3+3=10 पद्य : 2+2+3+3=10 Total marks- 12+8+10+10</p> <p>हिन्दी परियोजना कार्य : 20 Marks</p>

BENGALI

UNIT II EXAMINATION (40+40+20=100 marks)

SECTIONS	SECTION A (40 marks)	SECTION B (40 marks)
SYLLABUS	<p>(Entire syllabus of SEMESTER I)</p> <p>बोध परीक्षण</p> <p>ब्याकरण - बागधारा, एकई शब्देर विभिन्न अर्थे व्यवहार, छेद ओ यति चिह्न, एक कथाय प्रकाश, बाच्य परिवर्तन, वाक्य परिवर्तन, उक्ति परिवर्तन शुद्ध वानान, साधु थेके चलित भाषाय रूपान्तर, समोच्चारित शब्द</p> <p>गद्य - गिनि, लालु, वामा, क्यनभासार</p> <p>पद्य - वङ्गभूमिर प्रति, सभ्यतार प्रति, कुलि-मज्जुर, सिँड़ि</p>	<p>(From SEMESTER II syllabus)</p> <p>प्रबन्ध रचना (नमूना)-</p> <ol style="list-style-type: none"> अतिमारी परवती जीवन छात्र जीवने खेलाधुलार प्रयोजनीयता तोमार शख <p>पत्र रचना- व्यक्तिगत अथवा वैषयिक पत्र</p> <p>गद्य - असहयोगी, गन्कटा खुब सन्देहजनक, लोकटि</p> <p>पद्य - अमलकान्ति, बाबु बलेन, खो खो</p>

Mode of questions	MCQ based	Descriptive type
Marks	40	40
No. of question along with marks:	No of question: 40 Marks: 1 Total Marks: 40x1=40	প্রবন্ধ রচনা: 12 পত্র রচনা : 8 গদ্য: 2+2+3+3=10 পদ্য: 2+2+3+3=10 Total marks- 12+8+10+10= 40 প্রকল্প: 20