Syllabus Bifurcation 2023-24	**ASANSOL NORTH POINT SCHOOL, CHANDA**	Class: XII

Sub: CHEMISTRY

BOOKS NAME :-
1. NCERT text book (part 1 and 2)
2. Modern ABC chemistry Class XII (vol 1 and 2)
3. Arihant LAB Manual

BENCHMARK TEST – 1 (40 marks)
1. Chapter – 2 – Solutions
2. Chapter – 10 - Haloalkanes and Halorenes
3. Chapter – 3 - Electro chemistry

MIDTERM EXAM – (70 marks)
1. Chapter – 2 – Solutions
2. Chapter – 3 - Electro chemistry
3. Chapter – 8 – d and f block elements
4. Chapter – 10 - Haloalkanes and Halorenes
5. Chapter – 11 – Alcohols Phenols and ethers

BENCHMARK TEST – 2 (40 marks)
1. Chapter – 4 – Chemical Kinetics
2. Chapter – 9 – Co-ordination Compounds
3. Chapter – 12 – Aldehydes Ketons and Carboxylic acids

PREBOARD EXAM - (70 MARKS)
ENTIRE SYLLABUS

Sub: PHYSICS

BOOKS NAME :-
1. NCERT text book (part 1 and 2)
2. New Simplified Physics by S.L Arora (Dhanpay Rai and Co.)
3. Arihant Lab Manual

BENCHMARK TEST – 1 (40 marks)
1. Chapter – 1 – Electric Charges and Fields
2. Chapter – 2 – Electrostatic Potential and Capacitance
3. Chapter – 3 - Current Electricity

MIDTERM EXAM – (70 marks)
1. Chapter – 1 – Electric Charges and Fields
2. Chapter – 2 – Electrostatic Potential and Capacitance
3. Chapter – 3 - Current Electricity
4. Chapter – 4 - Moving Charges and
5. Chapter – 5 - Magnetism and Matter
6. Chapter – 6 – Electromagnetic Induction
7. Chapter – 7 – Alternating Currents
8. Chapter – 8 – Electromagnetic Waves

BENCHMARK TEST – 2 (40 marks)
1. Chapter – 9 Ray optics and Optical Instruments
2. Chapter – 10 Wave Optics
3. Chapter – 11Dual mature of radiation and matter

Sub: BIOLOGY

BOOKS NAME :- 1.NCERT text book
2.Modern ABC + Biology (Part I and II)
3.Arihant Lab Manual
BENCHMARK TEST – 1 (40 marks)
1. Chapter – 2 – Sextual Reproduction in flowering plant
2. Chapter – 3 - Human Reproduction
3. Chapter – 4 – Reproductive Health
MIDTERM EXAM – (70 marks)
1. Chapter – 2 – Sextual Reproduction in flowering plant
2. Chapter – 3 - Human Reproduction
3. Chapter – 4 – Reproductive Health
4. Chapter – 5 Principles of Inheritance and Variation
5. Chapter – 6 Molecular Basis of Inheritance and variation
6. Chapter – 7 Evolution
7. Chapter – 8 Human Health and distance
8. Chapter – 10 Microbes in human welfare
BENCHMARK TEST – 2 (40 marks)
1. Chapter – 11 Biotechnology :Principles and Processes
2. Chapter – 12 Biotechnology and its Application
3. Chapter – 13 Organisms and Population
PREBOARD EXAM - (70 MARKS)
ENTIRE SYLLABUS

Syllabus Bifurcation 2023-24	ASANSOL NORTH POINT SCHOOL, CHANDA	Class: XII

Sub: ENGLISH	Sub: Physics	Sub: WEB APPLICATION

BOOKS NAME :-
1. **Flaming Text Book for English Class XII (Core Course)**
2. **Vistas : Supplementary Reader in English for class XII (Core Course)**
3. **All in one English core XII (Arihant Publication)**

BENCHMARK TEST – 1 (40 marks)
1. Chapter – 1 – The last lesson (English Reader Flamingo)
2. Chapter – 2 - Lost Spring (English Reader Flamingo)
3. Chapter – I My mother at Sixty Six - Poem (English Reader Flamingo)
4. Chapter – I The Third Level (English Supplementary Reader - Vistas)
5. Chapter – 2 The Tiger King (English Supplementary Reader - Vistas)

Writing Skill :-
1. Notice Writing
2. Article Writing

Reading Skill (Unseen Passage)

MIDTERM EXAM – (80 marks)
1. 1. Chapter – 1 – The last lesson (English Reader Flamingo)
2. Chapter – 2 - Lost Spring (English Reader Flamingo)

PRE- BOARD EXAMINATIONS :-
1. Chapter – 1 – Electric Charges and Fields
2. Chapter – 2 – Electrostatic Potential and Capacitance
3. Chapter – 3 - Current Electricity
4. Chapter – 4 - Moving Charges and Magnetism
5. Chapter – 5 - Magnetism and Matter
6. Chapter – 6 – Electromagnetic Induction
7. Chapter – 7 – Alternating Currents
8. Chapter – 8 – Electromagnetic Waves
9. Chapter – 9 Ray optics and Optical Instruments
10. Chapter – 10 Wave Optics
11. Chapter – 11- Dual mature of radiation and matter
12. Chapter – 12 – Atoms
13. Chapter – 13- Nuclei
14. Chapter – 14 – Semi Conductor – Electronics : Materials, Devices and Simple Circuits

1. BENCHMARK TEST – 1 (40 Marks)
Ch-3 Web Scripting – Javascript :
3.1 Java Script Review
3.2 Functions
3.3 Object
3.4 Math object
3.5 Array object

MIDTERM EXAM (70 MARKS)
Ch-3 Web Scripting – JavaScript :
3.6 String object
3.4 Math object
3.5 Events
3.8 Case Studies
Ch-1 Movie Editing Tools
1.1 Movie Editing Tools
1.2 Familiarization of Interface Components
1.3 Importing Pictures, Audio and Video Clips Pictures into Windows Movie Maker
1.4 Splitting, Joining and Trimming Movie Clips
1.5 Adding Titles in Windows Movie Maker
1.6 Publishing Movie in Windows Movie Maker
Part A-Employability skills
Unit 1-Communication Skill
Unit 2-Self management skill
Unit 3-ICT Skill

Syllabus Bifurcation 2023-24	ASANSOL NORTH POINT SCHOOL, CHANDA	Class: XII

Sub: English

3. Chapter – I - My mother at Sixty Six - Poem (English Reader Flamingo)
4. Chapter – I - The Third Level (English Supplementary Reader - Vistas)
5. Chapter – 2 - The Tiger King (English Supplementary Reader - Vistas)
6. Chapter – 3 - Deep water (English Reader Flamingo)
7. Chapter - 4 - The Rat Trap (English Reader Flamingo)
8. Chapter – 5 - Indigo (English Reader Flamingo)
9. Chapter – 6 – Poets and Pancakes (English Reader Flamingo)
10. Chapter – 3 Keeping Quiet – Poem (English Reader Flamingo)
11. Chapter – 4 - A thing of Beauty – Poem (English Reader Flamingo)
12. Chapter – 5 - A Roadside Stand – Poem (English Reader Flamingo)
13. Chapter – 3 - Journey to the End of the Earth (English Supplementary Reader - Vistas)
14. Chapter – 4 The Enemy (English Supplementary Reader - Vistas)

Writing Skill :-
1. Notice Writing
2. Article Writing

Sub: MATHEMATICS

BOOK NAME:-
1. NCERT TEXT BOOK FOR CLASS XII VOLUME I & II
2. SECONDARY SCHOOL MATHEMATICS FOR CLASS XII BY R.S. AGGARWAL
3. NCERT LAB MANUAL MATHEMATICS CLASS XII

BENCHMARK TEST – 1 (40 MARKS)
1. Relations and Functions
2. Inverse Trigonometric Functions
3. Matrices (Ad joint & Inverse included)
4. Determinants (System of linear equation included)

MIDTERM EXAM (80 MARKS)
Chapter 1 to 4 in addition
5. Continuity, Differentiability & Differentiation
6. Applications of Derivatives
7. Indefinite integrals.

BENCHMARK TEST – 2 (40 MARKS)
8. Definite integrals
9. Applications of the Integrals
10. Differential Equations

PRE-BOARD EXAMINATION (80 MARKS)
Chapter 1 to 10 in addition
11. Vectors
12. Three - dimensional Geometry
13. Linear Programming
14. Probability

Sub: WEB APPLICATION

BENCHMARKS TEST – 2 (40 Marks)

Part A-Employability skills Unit 4- Entrepreneurial skills Unit 5-Green Skill
Ch-2 Customizing and Embedding Multimedia Components in Web Pages
2.1 Customizing and Embedding Multimedia Components in Web Pages
2.2 Compatible Multimedia File Formats for Web Pages
2.3 Embedding Audio in Web Pages
2.4 Embedding Video in Web Pages
2.5 Embedding Flash Files in Web Pages
Ch-4 Advanced Features of Web Design
4.1 Code View , Add-ins, Snippets and Page Transitions
4.2 Dynamic Web Templates
4.3 SEO- Search Engine Optimization
4.4 Forms- Advanced
4.5 Publishing Web Pages or Websites – I
4.5 Publishing Web pages or Websites – II
4.6 Authoring Tools
4.8 CSS Templates

PRE-BOARD EXAMINATION (60MARKS)
Full Syllabus

| Sub: ENGLISH | Sub: PHYSICAL EDUCATION | Sub: COMPUTER SCIENCE |

Sub: ENGLISH

3. Formal and Informal Invitation and Reply
 Editorial Letters
4. Application for job
5. Report Writing

Reading Skill (Unseen Passage)

BENCHMARK TEST – 2 (40 mark)
1. Chapter – 7 – The Interview (English Reader Flamingo)
2. Chapter – 8 - Going Places (English Reader Flamingo)
3. Chapter – 6 – Aunt Jennifar's Tiger – Poem (English Reader Flamingo)
4. Chapter – 6 – On the face of it (English Supplementary Reader - Vistas)
5. Chapter – 8 Memories of Childhood (English Supplementary Reader - Vistas)
   ▪ The cutting of Long hair
   ▪ We Too are Human Being

Writing Skill :-
1. Formal and Informal Invitation and Reply
2. Report Writing
 Reading Skill (Unseen Passage)

Pre- Board Examinations :- (80 mark)
Whole Syllabus

Sub: PHYSICAL EDUCATION

BOOK NAME :- Health and Physical Education –
 Dr. V. K. Sharma

BENCHMARK TEST – 1 (40 marks)
1. Chapter – 1 - Management and Sporting events
2. Chapter – 2 – Children and Women in Sports.
3. Chapter – 3 – Yoga as Preventive measure for Lifestyle disease

MIDTERM EXAM – (70 marks)
1. Chapter – 1 - Management of Sporting events
2. Chapter – 2 – Children and Women in Sports.
3. Chapter – 3 – Yoga as Preventive measure for Lifestyle disease
4. Chapter – 4 – Physical Education and Sports for C.W.S.N
5. Chapter – 5 – Sports and Nutrition
6. Chapter – 6 – Test and Measurement in Sports
7. Chapter – 7 – Physiology and Injury in Sports

BENCHMARK TEST – 2 (40 mark)
1. Chapter – 8 – Biomechanics in Sports
2. Chapter – 9 Psychology and Sports
3. Chapter – 10 – Training in Sports

Pre- Board Examinations :- 70
Whole Syllabus

Sub: COMPUTER SCIENCE

BOOK NAME: NCERT TEXTBOOK FOR COMPUTER SCIENCE
BENCHMARK TEST – 1 (40 marks)
CH1-Revision of Python (LIST,TUPLES,DICTIONARIES,MODULES)
CH2- Working with Functions
CH3- File Handling
MIDTERM EXAM – (70 marks)
 CH1-Revision of Python (LIST, TUPLES,DICTIONARIES,MODULES)
 CH2- Working with Functions
CH3- File Handling
 CH4- Using Python libraries: Import Python libraries
 CH5- Data Structures (Stack, operations on stack (push & pop), implementation of stack using list.)
 CH6- Exception Handling
CH7- Computer Networks
 CH8- Data Communications
BENCHMARK TEST – 2 (40 marks)
 CH8- Data Communications
 CH9-Database concepts: introduction to database concepts and its need Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key)Data Definition Language and Data Manipulation Language,

Syllabus Bifurcation 2023-24	ASANSOL NORTH POINT SCHOOL, CHANDA	Class: XII

Sub: MASS MEDIA STUDIES	Sub:	Sub: COMPUTER SCIENCE

Sub: MASS MEDIA STUDIES

BOOK NAME :-
1. **Mass media Studies CBSE Resource Material**
2. **Employability Skills III**

BENCHMARK TEST – 1 (40 mark)
1. Part –A
Unit – 1 Communication Skills IV
Unit – 2 Self Management Skills IV
2. Part – B
Unit – 1 Setting / Marketing / Exhibiting a
    Product through Advertising
MIDTERM EXAM – (60 marks)
1. Part –A
Unit – 1 Communication Skills IV
Unit – 2 Self Management Skills IV
2. Part – B
Unit – 1 Setting / Marketing / Exhibiting a
    Product through Advertising
Unit -2 Introduction to the Productive
    Process
BENCHMARK TEST – 2 (40 mark)
PART – A
Unit – III - Information and Communication
    Skills IV
PART – B
Unit – 3 New Media
PRE- BOARD EXAMINATIONS (60 MARKS)
 ENTIRE SYLLABUS

Sub: COMPUTER SCIENCE

data type constraints (not null, unique, primary key), create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause.
 CH10- Structured Query Language-1 Aggregate functions (max, min, avg, sum, count), group by, having clause, joins : Cartesian product on two tables, equi-join and natural join Interface of python with an SQL database.
 CH 11- Interface of python with an SQL database:
Connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetch one(), fetch all(), row count, creating database connectivity applications, use of %s format specified or format( ) to perform queries.
PRE- BOARD EXAMINATIONS (60 MARKS)
 ENTIRE SYLLABUS