

AYESHA TARIN MODERN PUBLIC SCHOOL (+2), ALIGARH

SESSION: 2020-2021

PRE-BOARD SYLLABUS

CLASS - XII-PCM

ENGLISH

BOOKS - VISTAS AND FLAMINGO

- The Third Level
- The enemy
- Should Wizard hit mommy
- On the face of it
- Evans tries an O-level
- The last lesson
- Lost spring
- Deep water
- The Rattrap
- Indigo
- My mother at sixty six
- An elementary school classroom in a slum
- Keeping quiet
- A thing of beauty
- Aunt Jennifer's Tigers

WRITING SECTION

- Notice
- Advertisement
- Formal and informal invitation and reply
- Formal letter- application for job, letter to editor
- Article

READING SECTION

- Unseen Passage

PHYSICS

- Unit 1 : Electrostatics
- Unit 2 : Current Electricity
- Unit 3 : Magnetism
- Unit 4 : EMI and AC
- Unit 5 : Electro Magnetic Waves (EMW)
- Unit 6 : Optics
- Unit 9 : Semiconductor material and devices

CHEMISTRY

- Chapter 1 - Solid states
- Chapter 2 - Solution
- Chapter 3 - Electrochemistry
- Chapter 4 - Chemical Kinetics
- Chapter 5 - Surface Chemistry
- Chapter 6 - p- Block Elements
- Chapter 7 - The d and f- Block Elements
- Chapter 8 - Coordination Compounds
- Chapter 9 - Haloalkanes and Haloarenes
- Chapter 10 - Alcohols, Phenols and Ether
- Chapter 11 - Aldehyde, Ketones and Carboxylic acid
- Chapter 12 - Amines
- Chapter 13 - Biomolecules

MATHEMATICS

1. RELATIONS AND FUNCTIONS
2. INVERSE TRIGONOMETRIC FUNCTIONS
3. MATRICES
4. DETERMINANTS
5. CONTINUITY AND DIFFERENTIABILITY
6. APPLICATION OF DERIVATIVES
7. INTEGRALS
8. APPLICATION OF INTEGRALS
9. DIFFERENTIAL EQUATIONS
10. VECTOR ALGEBRA
11. THREE DIMENSIONAL GEOMETRY
12. LINEAR PROGRAMMING
13. PROBABILITY

GEOGRAPHY

FUNDAMENTAL HUMAN GEOGRAPHY

- 1- Human geography nature and scope
- 2- The world population distribution
- 3- Population composition
- 4- Human development
- 5- Primary activity
- 7- Tertiary and quaternary activity
- 10- Human settlement

INDIA PEOPLE AND ECONOMY

- 1- Population: Distribution, Density, Growth and Composition
- 2- Migration
- 3- Human Development
- 4- Human Settlements
- 6- Water Resources
- 7- Mineral and Energy Resources
- 9- Planning and Sustainable Development in Indian Context
- 12- Geographical Perspective on Selected Issues and Problems

PHYSICAL EDUCATION

- Unit I – Planning in Sports
- Unit II – Sports & Nutrition
- Unit III – Yoga & lifestyle
- Unit IV – Physical education & sports for CWSN
- Unit V – Children & women in Sports
- Unit VI – Test & Measurement in Sports
- Unit VII – Physiology & Injuries in sports
- Unit VIII – Biomechanics & Sports
- Unit IX – Psychology & Sports
- Unit X – Training in Sports

COMPUTER SCIENCE

Chapter Number	Chapter Name
1	Python Revision Tour
2	Python Revision Tour – II
3	Working with Functions
4	Using Python Libraries
5	File Handling
7	Idea of Algorithmic Efficiency
8	Data Structure – 1
9	Data Structure – 2
10	Communication and Network Concepts
11	Relational Database
12	Simple Queries in SQL
13	Table Creation and Data Manipulation Commands
14	Grouping Records, Join in SQL
15	Interface Python with My SQL