

Half-yearly Examination Syllabus
Class XI(Science)
English

- 1) Comprehension passage**
- 2) Case based passage**
- 3) Note making and summarizing**
- 4) Notice writing**
- 5) Poster making**
- 6) Letter to editor**
- 7) Letter of complaint**
- 8) Letter of enquiry**
- 9) Letter of placing order**
- 10) Speech writing**
- 11)Editing**
- 12)Gap filling**
- 13)SentenceReordering/ Rearranging**
- 14)The portrait of a lady**
- 15)We are not afraid to die**
- 16)Discovering King Tut**
- 17)Summer of beautiful white horse**
- 18)The address**
- 19)Poem A photograph**
- 20)Laburnum top**
- 21)Childhood**
- 22)Voice of the rain**

PHYSICS

- 1.Units and measurements**
- 2.Motion in a straight line**
- 3.Motion in plane**
- 4.Laws of motion**
- 5. Work energy and power**

CHEMISTRY

1. Some basic concept of chemistry
2. Structure of atoms
3. Periodic classification of elements
4. Chemical bonding

MATHS.

Sets

Relation and Function

Trigonometric functions

Complex Number

Linear Inequalities

Permutations and combinations

Binomial Theorem

BIOLOGY:

Chapter 1: The Living World

Chapter 2: Biological Classification

Chapter 3: Plant Kingdom

Chapter 4: Animal Kingdom

Chapter 5: Morphology of Flowering Plants

Chapter 8: Cell: The Unit of Life

Hindi (core):

आरोह (गद्य भाग)

* नमक का दरोगा

* मियां नसीरुद्दीन

* अपू के साथ ढाई साल

आरोह (काव्य भाग)

* हम तो एक-एक करि जाना

- * मेरे तो गिरधर गोपाल
- * घर की याद
- * चंपा काले-काले अक्षर..
- वितान (पूरक पुस्तिका)
- * भारतीय गायिकाओं में बेजोड़ लता मंगेशकर
- अभिव्यक्ति और माध्यम
- * अप्रत्याशित विषय पर लेखन
- * सरकारी पत्र
- * जनसंचार मध्यम
- * पत्रकारिता के विविध आयाम
- * डायरी लेखन की कला
- * कथा-पटकथा
- अपठित बोध (गद्यांश व काव्यांश)

Legal Studies

Unit 1—Introduction to Political Institutions

Chapter 1: Concept of State

Chapter 2: Forms and Organs of Government

Chapter 3: Separation of Powers

Unit 2: Basic Features of the Constitution of India

Chapter 1: Salient Features of the Constitution of India

Chapter 2: Administrative Law

Unit 3: Jurisprudence, Nature, and Source of Law

Chapter 1: Jurisprudence, Nature, and Meaning of Law

Physical Education

Unit 1 - Changing Trends & Career in Physical Education

Unit 2- Olympic Value Education

Unit 3- Yoga

Unit 4- Physical Education & Sports for CWSN (Children With Special Needs)

Unit 5- Physical Fitness, Wellness & Lifestyle

Mass Media:

Unit-I-Introduction to Mass Media (All Chapters)

Unit-II-Evolution of Media

Chapter 1:- Understanding Cinema I

Chapter 2:- Understanding Cinema II

Chapter 3:- Understanding T.V.

Class 11th yoga skill subject (841)*

PART -A(Employability skills)

UNIT 1: COMMUNICATION SKILLS -III

UNIT 2: SELF MANAGEMENT SKILLS-III

part- B (specific skills)

Unit-1 introduction to yoga and yogic practices -1

Unit-2 : introduction to yoga texts-1

***Introduction to Patanjali yoga Sutras**

***Overview of yoga sutras**

***Ashtanga yoga (Eight limbs of yoga)**

***Introduction to Bhagavad Gita**

***Introduction of Hatha yoga pradiipika**

***Introduction to gheranda samhita**

***satkarma (six cleansing techniques)**

Food production

Chapter no 1. Hospitality industry as career

Chapter no 2. The food production department

Chapter no 3. Uniform, Safety and Hygiene in kitchen

Chapter no 4. The kitchen equipments

Chapter no 7. Techniques of preparation

PSYCHOLOGY

Chapter 1. What is Psychology?

Chapter 2. Methods of Enquiry in Psychology

Chapter 3. Human Development

Chapter 4. Sensation, Attentional and Perceptual Processes

LIBRARY AND INFORMATION SCIENCE

Library and information society

Types of Libraries and their role

Changing format of Libraries

Five laws of library science

Library classification theory

(Need purpose and type)

Employability skill

(Communication skill)

Computer Science:

1. Number System
2. Logic Gates
3. Python fundamentals
4. Conditional Statements
5. Iterative statements
6. Nested loops
7. List

Web Applications:

Chapter 2: Website Building Using HTML and CSS

2.1 Introduction to HTML

2.2 Basic Tags in HTML

- 2.3 Images
- 2.4 Lists
- 2.5 Tables
- 2.7 Hyperlinks
- 2.8 Forms
- 2.10 Introduction to CSS
- 2.11 Advantages of CSS
- 2.12 Three ways to implement CSS

CLASS XI – ARTIFICIAL INTELLIGENCE (843)

Unit 1 – Introduction: AI for Everyone

- **Introduction to Artificial Intelligence**
- **Evolution of AI**
- **Types of AI**
- **Domains of AI**
- **AI Terminologies**
- **Benefits and Limitations of AI**
- **Machine Learning and Reinforcement Learning**
- **Applications of AI**

Unit 2 – Unlocking Your Future in AI

- **AI Professionals and Job Roles**
- **Skills Required for AI Careers**
- **AI Tools and Technologies**
- **AI Opportunities in Various Industries**
- **Career Pathways in AI**

Unit 3 – Python Programming

- **Introduction to Python**

- **Features and Applications**
- **Character Set and Tokens**
- **Keywords, Identifiers, Literals, Operators and Punctuators**
- **Variables and Naming Rules**
- **Data Types**
- **Type Casting**
- **Input and Output**
- **Arithmetic, Relational and Logical Operators**
- **if, if-else and Nested if**
- **for and while Loops**
- **range() Function**
- **Nested Loops**
- **break and continue**
- **Introduction to Functions**

Painting.....

- 1..Objective questions from all three units
- 2..Unit one part (A) The Rajasthani school
- 3.. Elements of art