

**DAV PUBLIC SCHOOL, UPPAL'S SOUTHEND, SECTOR-49, GURUGRAM**

**SYLLABUS OF TERM – 1 EXAMINATION(2021-22)  
CLASS VI**

**ENGLISH**

Reading: Reading Comprehension

Writing: Diary Entry, Advertisement, Guided Composition

Grammar: Putting it Together, Regular Irregular Verbs, Determiners, Subject Verb

Agreement, Tenses Part 1 and 2

Literature: How Daddy Decided What He Wanted to Be, The White Elephant, Leisure, My Experiments with Truth, Today and Tomorrow

**HINDI**

**अपठित बोध**

अपठित गद्यांश

**पाठ्य पुस्तक**

पाठ-1. साथी हाथ बढ़ाना

पाठ-2. चिट्ठी के अक्षर

पाठ-3. बरसते जल के रूप अनेक

पाठ-4. पुरस्कार

पाठ-6. अनोखा वरदान

पाठ-7. सुंदर लाल

पाठ-8. नजानू कवि बना

पाठ-9. दोहे

पाठ-10. पौंगल

**व्याकरण**

अभ्यास सागर (1- 10)

**लेखन**

पत्र ( अनौपचारिक)

संवाद

विज्ञापन

## SANSKRIT

पाठ- 1 पुरः पुरः प्रगच्छ रे

पाठ- 2 मम प्रिय विद्यालयः

पाठ- 3 चत्वारि प्रियमित्राणि

पाठ- 4 मधुराः श्लोकाः

पाठ- 5 जले अपि वसन्ति जीवाः

पाठ- 6 वीरबालिका गुञ्जन-सक्सेना

- संधिः- दीर्घ (अ/आ)
- शब्दरूप- देव, लता, फल तत् , किम् ( केवल पुल्लिंग में )
- धातुरूप - पठ, गम् , हस्, खाद् ( लट् , लृट् लकारे ) , अस् ( लट् लकारे )
- संख्या - 1 से 20 ( 1 - 4 चतुर्षु लिंगेषु )
- अव्यय शब्द- अत्र , तत्र , कुत्र , अपि , च , एकदा , सर्वत्र
- प्रत्यय क्त्वा (निर्धारित 10 धातु )
- कारकाणि , उपपद विभक्तिः च - अभितः, उभयतः, परितः, प्रति, विना
- उपसर्गः- अनु , आ, प्र , वि, उप
- अपठित गद्यांशः
- चित्रं दृष्ट्वा वाक्यनिर्माणम्

## MATHEMATICS

### CHAPTER NUMBER

### CHAPTER NAME

1	NATURAL NUMBER AND WHOLE NUMBERS
3	INTEGERS
5	PERCENTAGE AND ITS APPLICATIONS
8	BASIC GEOMETRICAL CONCEPT
13	CIRCLES
15	PERIMETER AND AREA

## SCIENCE

1. Ch-1: Our Environment
2. Ch-2: Food
3. Ch-3: Nature Of Matter
4. Ch-4: Separation Of Substances
5. Ch- 8: Structure And Functions Of Living Organisms- Plants
6. Ch-10: Work And Energy

## **SOCIAL SCIENCE**

### **GEOGRAPHY-**

- Ch. 2- Representation of the Earth (With MAP)
- Ch. 3- Locating Places on the Earth (With MAP)
- Ch. 5- The Realms of the Earth (With MAP)

### **HISTORY-**

- Ch. 8- Studying the Past
- Ch. 10 Development of Civilization (ONLY MAP)
- Ch. 11- Iron Age Civilization
- Ch. 12- Janapadas and Mahajanpadas (With MAP)
- Ch. 13- The Mauryan Dynasty (With MAP)

### **CIVICS-**

- Ch. 21- Our Community Life
- Ch. 22- Democracy and Government

## **NAITIK SHIKSHA**

- पाठ 1 - ईश-स्तुति
- पाठ 2 - संध्या और उसकी तैयारी
- पाठ 4 - तुम ही इक नाथ हमारे
- पाठ 5 - आर्य समाज के नियम (1-2 )
- पाठ 6 - भक्तराज ध्रुव
- पाठ 7 - मर्यादा पुरुषोत्तम राम
- पाठ 8 - श्रीकृष्ण चरित

## **ICT(Practical)**

- 1) Designing in impress.
- 2) Modifying slides
- 3) Creating Professional Presentation and Presenting in impress.

## **GENERAL KNOWLEDGE**

UNIT 1: LANGUAGE AND LITERATURE

UNIT 2: ENVIRONMENT AROUND

CURRENT AFFAIRS FOR THE MONTH OF AUGUST 2021

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**DAV PUBLIC SCHOOL, UPPAL'S SOUTHEND, SECTOR-49, GURUGRAM**

**SYLLABUS OF TERM – 1 EXAMINATION(2021-22)  
CLASS VII**

**ENGLISH**

Reading: Reading Comprehension

Writing: Informal Letter, Speech writing, Diary Entry

Grammar: Articles, The Sentence, The Compound Sentences, Phrases and Clauses, Modals

Literature: Monkey Trouble, Birdie Will you Pet?, A Hero, Fight Manju Fight, I Dream A World, Stone Soup in Bohemia

**HINDI**

**अपठित बोध**

अपठित गद्यांश

**पाठ्य पुस्तक**

पाठ-1. बारहमासा

पाठ-2. नाटक में नाटक

पाठ-3. निर्मला, साँप और सयाल

पाठ-4. बातूनी

पाठ-6. समय

पाठ-7. स्कूल की छुट्टियाँ

पाठ-8. एवरेस्ट की चुनौती

पाठ-9. सवाल का जवाब

**व्याकरण**

अभ्यास सागर (1- 10)

**लेखन**

पत्र ( अनौपचारिक)

संवाद

विज्ञापन

**SANSKRIT**

पाठ -१ बुद्धि: एव अस्माकम् बलम्

पाठ -२ अभ्यास: एव परमो गुरुः

-३ पाठ उपकारका: वृक्षाः

पाठ -४ आगच्छ ! भोजनं कुर्याम

पाठ -५ सुवचनानि

वर्ण-विन्यासं एवम् वर्ण-संयोजनं, संयुक्त अक्षर

शब्दरूप-बालक,राम,लता,बालिका,फल,मुनि,किम् (तीनों लिंगों में)

धातुरूप पठ्, गम्, लिख्, क्रीड्, हस्, नी, रक्ष् (5 लकारों में )

संख्या - 1 से 50 (1-4 तीनों लिंगों में)

अव्यय शब्द

प्रत्यय क्त्वा (निर्धारित 25 धातु)

उपपद विभक्तिः - द्वितीया- अभितः, उभयतः, परितः, प्रति, विना

तृतीया- सह, अलम्, काणः, बधिरः

अशुद्धि संशोधनं

अपठित गद्यांश

चित्रमाध्यमेन वाक्य निर्माणं

## **MATHEMATICS**

1. RATIONAL NUMBERS
2. OPERATIONS ON RATIONAL NUMBERS
3. TRIANGLE AND ITS PROPERTIES
4. APPLICATION OF PERCENTAGE
5. RATIONAL NUMBERS AS DECIMALS
6. DATA HANDLING

## **SCIENCE**

1. CH-1 NUTRITION IN LIVING ORGANISMS-PLANTS
2. CH- 2 NUTRITION IN LIVING ORGANISMS - ANIMALS AND MAN
3. CH-3 CHEMICAL SUBSTANCES AND PROCESSES
4. CH-4 ACIDS, BASES AND SALTS
5. CH -5 HEAT
6. CH- 6 MOTION AND TIME
7. CH-10 SOIL

## **SOCIAL SCIENCE**

### **GEOGRAPHY**

- Chapter-1 Components of Environment (With MAP)
- Chapter-2 The Earth and the Changes on it (With MAP)
- Chapter-3 The Surface and the interior of the Earth
- Chapter-4 Air Around Us

### **HISTORY**

- Chapter-9 Medieval Period ( With MAP)
- Chapter-10 The Rise of small Kingdoms in North India ( With MAP)
- Chapter-12 Turkish invasions in North India ( With MAP)
- Chapter-13 Delhi Sultanate (With MAP)

### **CIVICS-**

- Chapter-18 Democracy and Government
- Chapter-19 Our State Government
- Chapter-20 Media- The Mainstay of Democracy

## **NAITIK SHIKSHA**

- पाठ- 1 ईशस्तुति
- पाठ- 2 धर्म के लक्षण
- पाठ- 3 आर्य समाज के नियम (3 से 6 )
- पाठ- 4 अभियान गीत
- पाठ- 6 प्रातः उठने के लाभ
- पाठ- 8 सत्संग का महत्व

## **ICT(Practical)**

- 1) Scratch I
- 2) Scratch II

## **GENERAL KNOWLEDGE**

UNIT 1: LANGUAGE AND LITERATURE

UNIT 2: ENVIRONMENT AROUND

CURRENT AFFAIRS FOR THE MONTH OF AUGUST 2021

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**DAV PUBLIC SCHOOL, UPPAL'S SOUTHEND, SECTOR-49, GURUGRAM**

**SYLLABUS OF TERM – 1 EXAMINATION(2021-22)  
CLASS VIII**

**ENGLISH**

Reading: Reading Comprehension

Writing: Notice, Dialogue Completion, Diary Entry, Email, Speech writing, Informal letter

Grammar: Tenses, Narration, Modals, Subject Verb Agreement, Punctuation

Literature: Three Questions, Granny's Tree Climbing, The Fun They Had, Father's Help, My Mother, The Luncheon

**HINDI**

**अपठित बोध**

अपठित गद्यांश

**पाठ्य पुस्तक**

पाठ-1. हम पंछी उन्मुक्त गगन के

पाठ-2. असल धन

पाठ-3. अच्छे पड़ोसी के गुण

पाठ-4. दोपहरी

पाठ-6. आश्रम के अतिथि और संस्मरण

पाठ-7. अन्याय के खिलाफ़ लड़ाई

पाठ-9. जब भोलाराम ने पंप लगाया

**व्याकरण**

अनुस्वार, अनुनासिक, नुक्ता

'र' के विभिन्न रूप

उपसर्ग, प्रत्यय

तत्सम, तद्भव

शब्द भंडार (पर्यायवाची, विलोम, वाक्यांश के लिए एक शब्द)

स्वर संधि

वाक्य शुद्धीकरण

मुहावरे

अलंकार

**लेखन**

पत्र ( अनौपचारिक)

संवाद लेखन

सूचना लेखन

अनुच्छेद

## SANSKRIT

पाठ- १ सुवचनानि।

पाठ- २ वसुधैवकुटुम्बकम्।

पाठ- ३ अहं नदी अस्मि।

पाठ- ४ क्षमस्व महर्षे !

पाठ- ५ दिव्या गीर्वाणभारती

शब्दरूप - राम, लता, फल, नदी, अस्मद्, तत्, किम्, (त्रिषु लिङ्गेषु)

धातुरूप - भू, गम्, पठ् ( ५ लकारेषु ) सेव्, लभ् ( लट् लृट् लकारयोः )

संख्या - 1 - 50 (1-4 त्रिषु लिङ्गेषु)

सन्धि - दीर्घ, गुण

अव्ययपदानि - तदा, मा, सर्वत्र, इतस्ततः, एकदा, बहिः, अपि, कदा, कुत्र, कुतः, कथम्, किमर्थम्,

उपसर्गाः - अनु, अव, अधि, आ, उत्, उप, अति, अप, निर्, दुर्

प्रत्ययाः - क्त्वा, तुमुन्

अपठित-गद्यांशः

चित्रवर्णनम्

## MATHEMATICS

S.NO TOPIC

1. CH-1 SQUARES AND SQUARE ROOTS
2. CH-2 CUBES AND CUBE ROOTS
3. CH-3 EXPONENTS AND RADICALS
4. CH-4 DIRECT AND INVERSE VARIATION
5. CH-7 ALGEBRAIC IDENTITIES
6. CH-10 PARALLEL LINES
7. CH-13 INTRODUCTION TO GRAPHS
8. CH-14 MENSURATION TILL WORKSHEET 4

## SCIENCE

1. CH-2: MICROORGANISMS- FRIENDS OR FOE
2. CH-4: FORCE AND PRESSURE
3. CH-5: FRICTION
4. CH-6: SOURCES OF ENERGY
5. CH-7: COMBUSTION
6. CH-8: CONSERVATION OF PLANTS AND ANIMALS
7. CH-16: ELECTRIC CURRENT AND ITS CHEMICAL EFFECT



## **SOCIAL SCIENCE**

### **GEOGRAPHY**

- Ch-1 Resources: Utilisation and development
- Ch-2 Natural Resources: Land, Soil and water(with mapwork)
- Ch-3 Natural Resources: Vegetation and Wildlife(with Mapwork)

### **HISTORY**

- Ch-8 The Modern period
- Ch-9 Establishment of company rule in India
- Ch-11 The first war of independence-1857 (with mapwork)

### **CIVICS**

- Ch-16 Our Constitution
- Ch-17 Fundamental rights,Fundamental duties and directive principles of state policy.
- Ch-18 The Union Government:The legislature

## **NAITIK SHIKSHA**

- पाठ-1 ओंकार ध्वज
- पाठ-2 ईश्वर का सर्वश्रेष्ठ नाम
- पाठ-3 आत्म बोध
- पाठ-4 गीता के दो श्लोक
- पाठ-5 गायत्री जाप का प्रभाव
- पाठ-6 संस्कृत भाषा
- पाठ-8 पंच महायज्ञ

## **ICT(Practical)**

- 1) HTML I
- 2) Lists and Tables in HTML
- 3) HTML III

## **GENERAL KNOWLEDGE**

UNIT 1: LANGUAGE AND LITERATURE

UNIT 2: ENVIRONMENT AROUND

CURRENT AFFAIRS FOR THE MONTH OF AUGUST 2021

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**DAV PUBLIC SCHOOL, UPPAL'S SOUTHEND, SECTOR-49, GURUGRAM**

**SYLLABUS OF TERM – 1 EXAMINATION(2021-22)  
CLASS IX**

**ENGLISH**

**Objective Paper:**

Reading: Reading Comprehension (Factual and Discursive Passage)

Writing: Description of a Person, Story Writing

Grammar: Tenses, Reported Speech, Modals, Subject Verb Agreement, Determiners

Literature:

Beehive- The Fun They Had, The Road Not Taken, The Sound of Music Part 1 and 2, Wind, The Little Girl, A Truly Beautiful Mind, Rain on the Roof, My Childhood, A Legend of Northland

Moments- The Lost Child, The Adventures of Toto, In the Kingdom of Fools, The Happy Prince

**Subjective paper:**

Writing: Story Writing

Literature:

Beehive- The Road Not Taken, Truly Beautiful Mind, My Childhood, The Little Girl

Moments- The Happy Prince

**HINDI**

**वस्तुनिष्ठ**

अपठित बोध

अपठित गद्यांश

पाठ्य पुस्तक

1. दुख का अधिकार
2. एवरेस्ट: मेरी शिखर यात्रा
3. रैदास के पद
4. दोहे (रहीम)

**व्याकरण**

उपसर्ग, प्रत्यय, अनुस्वार, अनुनासिक पर्यायवाची, विलोम, श्रुतिसमाभिन्नार्थक शब्द शब्द और पद

अर्थ के आधार पर वाक्य भेद

**विषयनिष्ठ**

1. दुख का अधिकार
2. रैदास के पद
3. दोहे (रहीम)

## SANSKRIT

### बहुविकल्पात्मकं प्रश्नपत्रम् -

अनुप्रयुक्त व्याकरणम् -

संधिः - स्वरसंधिः - दीर्घ, गुण, अयादि

व्यञ्जनसंधिः - वर्गस्य प्रथमवर्णस्य स्थाने तृतीयः वर्णः, म् स्थाने अनुस्वारः

विसर्गसंधिः - उत्त्वम्

शब्दरूपाणि - अकारान्त-पुल्लिङ्गशब्दाः - बालकवत्

उकारान्त-पुल्लिङ्गशब्दाः - साधुवत्

आकारान्त-स्त्रीलिङ्गशब्दाः - लतावत्

ईकारान्त-स्त्रीलिङ्गशब्दाः - नदीवत्

सर्वनामशब्दाः - अस्मद्, युष्मद्

धातुरूपाणि - पठ्, गम्, वद्, भू, क्रीड्, नी, दृश्, कृ, पा (पञ्च लकारेषु) सेव्, लभ् (लट्, लृट्)

उपपदविभक्तिः -

द्वितीया - परितः, निकषा, प्रति, विना

तृतीया - सह/समम्/सार्धम्, विना, अलम्, हीन

चतुर्थी - रुच्, दा/यच्छ्, नमः, कुप्

पञ्चमी - विना, बहिः, भी, रक्ष्

षष्ठी - उपरि, अधः, पुरतः, पृष्ठतः

सप्तमी - स्निह्, निपुणः, विश्वस्

प्रत्ययाः - क्त्वा, तुमुन्, ल्यप्, क्तवतु

संख्या 1-100

उपसर्गाः - आ, वि, प्रति, उप, अनु, निर्, प्र, अधि, अप, नि, अव

### लेखनात्मकं प्रश्नपत्रम् -

प्रथमः पाठः - भारतीयसन्तगीतिः

द्वितीयः पाठः - स्वर्णकाकः

तृतीयः पाठः - गोदोहनम्

पञ्चमः पाठः - सूक्तिमौक्तिकम्

# MATHEMATICS

## SYLLABUS FOR OBJECTIVE PAPER

1. CHAPTER -1 NUMBER SYSTEM
2. CHAPTER -3 CO-ORDINATE GEOMETRY
3. CHAPTER -4 LINEAR EQUATIONS IN TWO VARIABLES
4. CHAPTER -6 LINES AND ANGLES
5. CHAPTER -7 TRIANGLES
6. CHAPTER -12 HERON'S FORMULA
7. CHAPTER -14 STATISTICS

## SYLLABUS FOR SUBJECTIVE PAPER

CHAPTER -1 NUMBER SYSTEM

CHAPTER -7 TRIANGLES

CHAPTER -12 HERON'S FORMULA

# SCIENCE

Syllabus for both Objective and Subjective paper

## **PHYSICS:**

CH- 8 MOTION

CH- 9 FORCE AND LAWS OF MOTION

## **CHEMISTRY**

CH-2 IS MATTER AROUND US PURE

## **BIOLOGY**

CH-5 THE FUNDAMENTAL UNIT OF LIFE

CH-6 TISSUES

# SOCIAL SCIENCE

## **HISTORY-**

Ch-1 French Revolution (Objective and subjective)

## **ECONOMICS**

Ch-1 The Story of Village Palampur (Objective)

Ch-2 People as a resource (Objective and Subjective)

## **GEOGRAPHY**

Ch-1 India Size and location (Objective and Subjective)

Ch-2 Physical features of India (Objective)

## **POLITICAL SCIENCE**

Ch 1 What is Democracy? Why Democracy? (Objective and Subjective)

Ch-2 Constitutional Design (Objective)

## LIST OF MAP WORK-

CLASS IX (2021-22)

### **SUBJECT - HISTORY**

Chapter-1: The French Revolution

Outline Political Map of France

- Bordeaux
- Nantes
- Paris
- Marseilles

### **SUBJECT – GEOGRAPHY**

Chapter -1: India-Size and Location

- India-States with Capitals, Tropic of Cancer, Standard Meridian

Chapter -2: Physical Features of India

- Mountain Ranges: The Karakoram, The Zasker, The Shivalik, The Aravali, The Vindhya, The Satpura, Western & Eastern Ghats
- Mountain Peaks – K2, Kanchan Junga, Anai Mudi
- Plateau - Deccan Plateau, Chotta Nagpur Plateau, Malwa Plateau
- Coastal Plains - Konkan, Malabar, Coromandel & Northern Circar

## **INFORMATION TECHNOLOGY**

### **THEORY**

Part A- Employability Skills

1. Communication Skills
2. Self Management Skills
3. Basic ICT Skills

Part B- Specific Skills

1. Introduction to IT-ITeS industry
2. Ergonomics
3. Digital Documentation

### **PRACTICAL**

Software : Open office writer

Invitations / Banners/Mail merge

# **ARTIFICIAL INTELLIGENCE**

## **THEORY**

### Chapter 1 Introduction to AI

1. What is intelligence?
2. Types of intelligence
3. Difference between Human and Machine intelligence
4. What is AI?
5. Need of AI
6. Advantages and Disadvantages of AI
7. Applications of AI
8. History of AI
9. Three domains of AI
10. Types of AI
11. AI and SDG
12. AI Ethics

### Chapter 2 AI project cycle

1. Introduction
2. Problem scoping
3. Data acquisition
4. Data exploration

### Chapter 4 Introduction to Python

1. Algorithms and Flowcharts
2. Types of softwares and Programming languages
3. Python features
4. Installing Python
5. Interactive vs Scripting Mode
6. Python identifiers and keywords
7. Python numbers
8. Python Strings
9. Python statements and comments
10. Datatypes

## **PRACTICAL**

Powerpoint presentation on any of the AI related topics discussed in the class  
Basic Algorithm / Flowchart / Python program

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**DAV PUBLIC SCHOOL, UPPAL'S SOUTHEND, SECTOR-49, GURUGRAM**

**SYLLABUS OF TERM – 1 EXAMINATION(2021-22)**

**CLASS X**

**ENGLISH**

Reading: Reading Comprehension (Discursive and Factual passage)

Writing:

Letter to Editor

Letter of Complaint(Business and Official)

Grammar: Tenses, Reported Speech, Modals, Subject Verb Agreement, Determiners

Literature:

First Flight: A Letter to God, Dust of Snow, Fire and Ice, Nelson Mandela- A Long Walk to Freedom, A Tiger in the Zoo, Two Stories About Flying, From the Diary of Anne Frank, The Ball poem, Hundred Dresses 1, Hundred Dresses 2

Footprints Without Feet- A Triumph of Surgery, The Thief's Story, Footprints Without Feet

**HINDI**

**अपठित बोध**

अपठित गद्यांश

**पाठ्य पुस्तक**

1. साखी (कबीर)
2. पद (मीरा)
3. बड़े भाई साहब
4. ततौरा-वामीरो कथा
5. अब कहाँ दूसरों के दुख से दुखी होने वाले

**व्याकरण**

पदबंध, समास, रचना के आधार पर वाक्य भेद, मुहावरे

## SANSKRIT

अनुप्रयुक्त व्याकरणम् -

संधिः - व्यञ्जनसंधिः - वर्गस्य प्रथमवर्णस्य स्थाने तृतीयः वर्णः, वर्गस्य प्रथमवर्णस्य स्थाने पञ्चमः वर्णः

विसर्गसंधिः - उत्त्वम्, स्, ष, श्

समासः - तत्पुरुषः

अव्ययीभावः (अनु, उप, सह, निर्, प्रति, यथा)

द्वन्द्वः

प्रत्ययाः - मतुप्, त्व, टाप्

वाच्यपरिवर्तनम्

समयः

अव्ययपदानि

अशुद्धिसंशोधनम्

प्रथमः पाठः - शुचिपर्यावरणम्

द्वितीयः पाठः - बुद्धिर्बलवती सदा

चतुर्थः पाठः - शिशुलालनम्

पञ्चमः पाठः - जननी तुल्यवत्सला

## MATHEMATICS

UNITS	UNIT NAME	NAME & NO. OF THE CHAPTER
1	NUMBER SYSTEMS	CH – 1 REAL NUMBERS
2	ALGEBRA	CH – 2 POLYNOMIALS CH – 3 PAIR OF LINEAR EQUATIONS IN TWO VARIABLES
3	COORDINATE GEOMETRY	CH – 7 COORDINATE GEOMETRY
4	GEOMETRY	CH – 6 TRIANGLES
5	TRIGONOMETRY	CH – 8 INTRODUCTION TO TRIGONOMETRY
6	MENSURATION	CH – 12 AREAS RELATED TO CIRCLES
7	STATISTICS & PROBABILITY	CH – 15 PROBABILITY



## SCIENCE

### **PHYSICS**

CH-10 : LIGHT- REFLECTION AND REFRACTION

CH: 11: THE HUMAN EYE AND THE COLOURFUL WORLD(From page 191)

### **CHEMISTRY**

CH 1 - CHEMICAL REACTIONS AND EQUATIONS

CH 2- ACIDS, BASES AND SALTS

CH 3-METALS AND NON-METALS

### **BIOLOGY**

CH -6 LIFE PROCESSES

## SOCIAL SCIENCE

### **HISTORY**

The Rise of Nationalism in Europe

### **GEOGRAPHY**

1. Resources and Development

2. Water Resources ( map only)

3. Agriculture

### **CIVICS**

1. Power Sharing

2. Federalism

### **ECONOMICS**

1. Development

2. Sectors of Indian Economy

Map work-

### **A. GEOGRAPHY**

Chapter 1: Resources and Development

a. Major soil Types

Chapter 3: Water Resources

Dams:

a. Salal

b. Bhakra Nangal

c. Tehri

d. Rana Pratap Sagar

e. Sardar Sarovar

f. Hirakud

g. Nagarjuna Sagar

h. Tungabhadra

Chapter 4: Agriculture

a. Major areas of Rice and Wheat

b. Largest / Major producer States of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute

## **INFORMATION TECHNOLOGY**

### **THEORY**

Part A- Employability Skills

\*Communication Skills

\*Self Management Skills

\*ICT Skills

Part B- Subject Specific Skills

\*Electronic Spreadsheets (Advanced)

\*Database Management System(Database concepts, Terminologies, Features of open office, Tables creation, Datatypes)

### **PRACTICAL**

Software to be used- Open Office Calc and Open Office Base

\*Electronic Spreadsheets

\*Database Management System(Tables creation, Datatypes, inserting and modifying records in tables)

## **ARTIFICIAL INTELLIGENCE**

### **THEORY**

Reference Book - CBSE Handbook

Part A- Employability Skills

\*Communication Skills

\*Self Management Skills

Part B- Subject Specific Skills

\*Chapter 1- Introduction to AI (page 7-18)

\*AI domain- Data science, computer vision and NLP

\*Applications of AI

\*AI, ML and DL

\*AI ethics, bias and access

\*Chapter 2- AI project cycle (page 19-32)

\*Sustainable development goals

\*Problem Scoping-4w canvas

\*Data Acquisition-testing and training data, data features, modes of data acquisition

\*Data Exploration- visual representations

\*Modelling - Learning based and rule based approach

\*Learning based- supervised, unsupervised and reinforcement learning

\*What is Evaluation

\*Neural networks

## **PRACTICAL**

Reference Book - Python Content Manual

Chapter1- Algorithm and flowchart

Chapter2- Introduction to python

Chapter4- Lists and tuples

Chapter5-Flow of control and conditions.

## **HOME SCIENCE**

### **TERM I (THEORY)**

#### **Unit I : Human Growth and Development II**

a. Play (birth-5 years), role of play in growth and development of children. Types of play- active, passive, natural, serious and exploratory, selection of play material for children.

b. Childhood (3years onwards)-Age specific milestones- Physical, motor , social, emotional, cognitive and language

c. Adolescents: Special Features- Physical and biological, motor, social, emotional, cognitive and language

#### **Unit II : Management of Resources**

Time, Energy & Money a) Time Management - Definition and Importance b) Time plans - Factors affecting time plan c) Energy Management: Definition and Importance d) Fatigue and Work Simplification

#### **Unit III : Food & Personal Hygiene**

Principles of hygienic handling of food, including serving of food. a) Hygiene in kitchen b) Personal hygiene of food handler c) Hygiene during food storage

### **TERM I (PRACTICAL)**

1. Make a suitable play material for children between birth to 5 years (group activity)
2. List five areas of agreement and disagreement each with parents, siblings and friends, and give your suggestion to improve the relationships.
3. Plan a balanced meal for yourself.
4. Make a time plan to self for one day

## **PAINTING**

### **THEORY**

Unit 1: Fundamental of visual art ( Elements of art, Principles of art)

Unit 2: Methods and Materials of Painting ( understanding and appropriate use of Tools, Painting Materials)

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