



**G.K.**

Classes IX

Total marks: 50

Mental Ability=15

Subject Based=10

Financial Literacy=5 (pages : 1 to 12 )

Current affairs=15

Opinion Based=5

**MATHEMATICS:**

- 1) Lines and angles
- 2) Polynomials
- 3) Number system
- 4) Triangles
- 5) Coordinate geometry
- 6) Linear equations in two variables
- 7) Heron's formula

**SCIENCE:**

**PHYSICS**

Chapter 8 Motion

Chapter 9 Force and laws of motion

**CHEMISTRY**

1. Matter in our surroundings
2. Is matter around us pure?

**BIOLOGY**

Chapter 5- The fundamental unit of life

Chapter 6- Tissues

Chapter 13- Why do we fall ill? (Till 13.2.5 i.e. infectious and non-infectious causes )

**Practical syllabus for mid term (practical based questions will be included in the theory exam)**

## PHYSICS

1. To find density of a solid heavier than water
- 2 To find speed of a pulse propagated through stretched string or Slinky

## CHEMISTRY

1. To determine the melting point of ice.
2. To determine the boiling point of water.
3. To prepare
  - a) a true solution of common salt, sugar and alum
  - b) a suspension of soil, chalk powder and fine sand in water
  - c) a colloidal of starch in water and egg albumin in water and distinguish between these on the basis of
    1. Transparency
    2. Filtration criterion
    3. Stability
4. To prepare a) a mixture b) a compound using iron filings and sulphur powder and distinguish between these on the basis of:
  - i. appearance i.e., homogeneity and heterogeneity
  - ii. Behaviour towards a magnet
  - iii. Behaviour towards carbon disulphide as a solvent.
  - iv. Effect of heat.
5. To carry out the following reactions and classify them as physical or chemical changes.
  - a. Iron with copper sulphate solution in water.
  - b. Burning of magnesium in air.
  - c. Zinc with dilute sulphuric acid
  - d. Heating of copper sulphate
  - e. Sodium sulphate with barium chloride in the form of their solutions in water.
6. To separate the components of a mixture of sand, common salt and ammonium chloride (or camphor) by sublimation.

## BIOLOGY

1. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cell and to record observations and draw their labelled diagrams.
2. Identification of parenchyma, collenchyma, and sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres and nerve cells in animals from prepared slides. Drawing of their labelled diagrams.

## हिंदी

स्पर्श : धूल, दुख का अधिकार, रैदास के पद, आदमीनामा

एवरेस्ट : मेरी शिखर यात्रा, तुम कब जाओगे अतिथि, रहीम के दोहे, एक फूल की चाह ।

संचयन : स्मृति, कुल्लू कुम्हार की उनाकोटी, गिल्लू

व्याकरण : संधि, व्यंजन संधि, विसर्ग संधि, विराम चिह्न, वर्ण-विचार, अनुस्वार, उपसर्ग-प्रत्यय, नुक्ता, अनुनासिक, संधि -स्वर संधि

लेखन : अनुच्छेद, चित्र-वर्णन, विज्ञापन-लेखन, अपठित गद्यांश, अपठित पद्यांश, अनौपचारिक पत्र, संवाद लेखन

संस्कृतः

\* पाठ्यपुस्तिका

पाठ - 1 तत् त्वम् असि

पाठ 2 अतिवैकः परमापदां पदम्

पाठ 3 पाथेयम्

पाठ 4 स्वर-यवृत्तम्

पाठ 5 भ्रातृरनेहस्तु कुलम्;

पाठ 6 विद्यया भान्ति सर्वगुणाः

\* व्याकरणम्

- च्यातुर-पाणि - अभ्यासपत्रिकानुसार - लट्, लृट्, लङ् लकारेषु
- शब्दर-पाणि - अभ्यासपत्रिकानुसार
- उपपद-विभक्तिः
- क्त्वा, ल्यप्, तुमुन् प्रत्ययाः
- उच्चारण स्थान, वर्ण संयोजन वियोजन च
- स्वर, विसर्ग, व्यञ्जन सन्ध्याः - अभ्यासपत्रिकानुसार

GERMAN

Modul 7- Lektion 1

modul 7- Lektion 2

modul 7- Lektion 3

Genetiv, werden, prepositions,

modal verben, comparativ superlativ, conjunctions, email writing, Dialog Writing

FRENCH:

Lecon :- 1,2,3,4,5,6.

Section A :- La Compréhension

Section B :- L'Expression Écrite

1. Les dialogues - re -ordering

2. Les recettes

3. Le message / L'invitation

4. Le bulletin Météo

5. Décrivez l'image

## Section C :-Grammaire

1. Les articles
2. Les adjectifs possessifs
3. Les adjectifs démonstratifs
4. Les prépositions
5. Les temps - Présent, futur Proche, futur Simple, Passé composé ,  
Pronominal verbs, Impératif, passe recent
6. Corrigez les fautes
7. Les adjectifs qualificatifs
8. Re - écrivez les phrases
9. Les pronoms personnels

## Section D :- Culture Civilisation

Lecon 1, 2, 3, 4, 5 , 6.

## COMPUTERS

Chapter 5 HTML-I (Pages 150-170)

## SOCIAL SCIENCE

### History:

- The French Revolution
- Socialism in Europe and the Russian Revolution

### Political Science

- What is Democracy? Why Democracy
- Constitutional Design

### Geography

- India - Size and Location
- Physical Features of India
- Drainage (till Himalayan Rivers)

### Economics

- Ch. -1 : Story of the village Palampur
- Ch.-2 : People as a resource

**ENGLISH:**

**(NOTE: ENGLISH MID TERM REVISED SYLLABUS AS PER CBSE)**

**LITERATURE**

- How I Taught My Grandmother to Read
- A Dog Named Duke
- The Brook
- The Road Not Taken
- The Solitary Reaper
- Villa for Sale

**MAIN COURSE BOOK**

- People
- Adventure
- Environment
- The Class IX Radio and Video Show

**WORK BOOK**

- Verb Forms
- Determiners
- Future Time Reference
- Modals

**Long Reading Text/Novel**

Three Men in a Boat by Jerome K. Jerome (Chapter 1-10 )

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*BS\_Syllabus @ Mid Term@ 17-18*