

# SYLLABUS 2021-22

## CLASS - 7

### *Content*

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**Maths**

**Eng Lan.**

**Eng Lit.**

**Sanskrit**

**Hindi**

**Biology**

**Chemistry**

**Physics**

**Geography**

**Hist. Civics**

**Computer**

## Physics - 7

S.N.	Month	Topic	Sub Concept	Activity
1	June	Ch-1 : Physical Quantities Measurement	<ol style="list-style-type: none"> <li>1. Volume</li> <li>2. Area</li> <li>3. Density</li> <li>4. Speed</li> <li>5. Numerical</li> </ol>	<ul style="list-style-type: none"> <li>- To measure the volume of an irregular solid.</li> <li>- Measurement of area of an irregular shape (a leaf) using graph paper</li> </ul>
2.	June	Ch-2 : Force and pressure motion	<ol style="list-style-type: none"> <li>1. Rest and motion</li> <li>2. Types of motion</li> <li>3. Concept of distance and speed</li> <li>4. Velocity</li> <li>5. Mass and weight</li> </ol>	<ul style="list-style-type: none"> <li>- To show spring balance and beam balance.</li> <li>- To stick pictures related to different types of motion.</li> <li>Make a list of things being measured using spring and beam balance in the nearby shops.</li> </ul>
3.	July	Ch-2 : Continue Ch-4 : Reflection of light and colours.	Revision of U.T. 1 <ol style="list-style-type: none"> <li>1. Reflection</li> <li>2. Laws of reflection</li> <li>3. Formation of images by a plane mirror.</li> <li>4. Light and colour</li> </ol>	<ul style="list-style-type: none"> <li>- To show plane mirror in the Lab.</li> <li>- To Prepare models of of periscope pinholes camera &amp; kaleidoscope.</li> <li>- Make a spectrum of colours using a mirror &amp; sunlight.</li> </ul>
4.	Aug.	Ch-4 : Continue.. Ch-3 : Energy	<ol style="list-style-type: none"> <li>1. Energy</li> <li>2. Forms of energy</li> <li>3. Law of conservation</li> <li>4. Interconversion of energy</li> </ol>	<ul style="list-style-type: none"> <li>- Find examples from daily life involve transformation of energy.</li> <li>- Find out the ingredients behind a packet of biscuits or chips and how much energy each packet of that product gives?</li> </ul>
5.	Sept.	Ch-3 : Continue.....		
6.	Oct.		<b>Revision for SA-1</b>	
7.	Nov.	Ch-6 : Sound	<ol style="list-style-type: none"> <li>1. Sources of sound</li> <li>2. Sound as a longitudinal wave</li> </ol>	<ul style="list-style-type: none"> <li>- To show Tuning fork &amp; vibrations.</li> </ul>

## Physics - 7

S.N.	Month	Topic	Sub Concept	Activity
			3. Sound needs a medium to propagate 4. Characteristics of sound wave 5. Reflection & absorption of sound. 6. Relative speed of sound in different mediums.	- To show that sound travels more effectively through solids than through air. - To show that sound is produced by vibrating body. - To show that sound causes waves in the surrounding medium.
7.	Dec.	Ch-6. Continued.....		
8.	Jan.	Ch-7 : Electricity & Magnetism	1. Electric current 2. Electric potential 3. Electrical Resistance 4. Electricity & its sources. 5. Electric circuit & symbols.	- to show different components of an electric circuit & explain their working in brief. - Oersted's experiment to know the magnetic effect of current.
9.	Feb.	Ch-5 : Heat	1. Heat as form of energy 2. Concept of temperature 3. Effects of Heat 4. Application of thermal expansion	- To observe convection currents in a liquid.

### Paper Style - Physics - 7

Unit Test - 1 : Ch-1,2

Unit Test - 2 : Ch- 5,6

#### Paper Style :

Q.1	MCQ	3
Q.2	Fill in the blanks	3
Q.3	Name the following	2
Q.4	Answer in brief	4
Q.5	Define	2
Q.6	Answer in detail	6

SA - 1 : Ch-2,3,4

SA - 2 : Ch-4,5,6,7

#### Paper Style :

Q.1	MCQ's	4
Q.2	Fill in the blanks	4
Q.3	Name the following	3
Q.4	State true or false	4
Q.5	Answer in brief	10
Q.6	Define	5
Q.7	give Reasons	8
Q.8	Answer in Detail	15
Q.9	Answer with the help of diagram	15
Q.10	Demonstrate experiments	20

## Chemistry - 7

S.N.	Month	Topic	Sub Concept	Activity
1.	June	Ch-1 : Matter & its Composition	- Matter & its composition - Interconversion of matter	- To show air has mass
2.	June	Ch-1 : Continue...  Ch-2 : Physical & chemical changes	- Inter - particle force - Brownian motion - Diffusion - Differences b/w states of matter - Types of changes - Evaporation - Boiling - Condensation - Freezing - Melting - Sublimation - Chemical changes	- Samples of solid, liquids and examples of gases. - Carmelization of sugar showing change in colour Shape & size.  - Sublimation process
3.	July	Ch-2 : Continue...  Ch-3 : Elements, Compounds and Mixture	- Fermentation - Curdling - Rusting - Digestion - Elements - Representation of elements - Formulae of compounds - Characteristics of compounds - Types of Mixture solutions - Separation technique - Crystallization	- To demonstratre formation of mixture and compound
4.	Aug.	Ch-3 : Continue....  Ch-4 : Atome struture	- Traditional distillation - Centrifugation - Chromatorgraphy - Atoms, molecule and radicals - Atomicity	- To separate mix of ink
5.	Sept.	Ch-4 : Continue....	- Valency - Symbols of & radicals - Valency of hydrogen - Periodic Table	
6.	Oct.		<b>Exam</b>	
7.	Oct/Nov.	Ch-5 : Language of chemistry	- Chemical Rx	- To demonstrate the
			- Equations - Writing a word equation	
8.	Dec.	Ch-6 : Metal & Non Metals	- Occurence in nature	

## Chemistry - 7

S.N.	Month	Topic	Sub Concept	Activity
			- Properties - Physical Properties - Chemical properties - Currosion of metals - Metal plating / prevention - Uses of metals & metaliods	- To show rust is basic in nature.  - Metals are snorous
9.	Jan.	Ch-7 Air & Atmosphere	- Composition air - Laboratory prep of N <sub>2</sub> - Symbiosis - Ammonification - Nitrification - Prep. of oxygen - Rxn of metals - Uses of O <sub>2</sub>	- Decrease in mass when a piece of wood is burnt in air.
10.	Feb.	Ch-7 Continue / Revision	- Carbondioxide Co <sub>2</sub> - Uses - Air quality - Air pollution - Acid rain	- There is a decrease in mass when a piece of wood is burnt in air.
11.	Feb.	Revision / Sample Paper		

### Paper Style - Chemistry - 7

Unit Test - 1 : Ch-1 • Unit Test - 2 : Ch- 7

#### Paper Style :

Q.1 MCQ

Q.2 Fill in the blanks

Q.3 Answer in one word

Q.4 Answer in short

Q.5 a. Answer in detail  
b. Equations

Q.2 a. Definition with examples

b. Difference between

c. Give scientific Reasons

Q.3 a. Complete & balance the equations

b. Expalin with examples

#### Section - B (40 Mark) Attempt four any out of five

1. Experiment with labelled diagram

2. Find out reactant / products from given o

3. Properties

4. Describe in detail

5. Explain the terms

6. Applications

7. What happen when

SA - 1 : Ch-1,2,3 • SA - 2 : Ch-4,5,6,

#### Paper Style :

Q.1 a. MCQ's

b. Fill in the blanks

c. True & false

d. Name the following

## Maths. - 7

S.N.	Month	Topic	Sub Concept	Activity
1.	June	Ch-1 : Integers  Ch-2 : Fractions	<ul style="list-style-type: none"> <li>- Multiplication and division of integers</li> <li>- Properties of operations on integers.</li> <li>- problem sums</li> <li>- Fraction as an operator</li> <li>- (+, -, X, ) of fraction</li> <li>- P. Sums</li> </ul>	Mental Maths.  Live activity By paper Folding
2.	July	Ch-5 sets  Ch-4 : Exponents  Ch-15 : Representing 3D in 2D	<ul style="list-style-type: none"> <li>- How to specify sets by three different method.</li> <li>- Types of sets</li> <li>- Cardinal number</li> <li>- Exponent only natural numbers</li> <li>- Laws of exponents</li> <li>- Application of Laws of exponents in simple daily life problems.</li> <li>- Identification and counting of vertices edges and faces.</li> <li>- Nets of solids</li> <li>- Visual Estimation</li> </ul>	Write some Creative examples of equal and equivalent sets  Worksheet  - Make Net of some 3-D shapes.
3.	Aug.	Ch-3 Rationa Numbers  Ch-9 : Algebraic expressions	<ul style="list-style-type: none"> <li>- Introduction by number line</li> <li>- Properties of Ratinal numbers</li> <li>- All operations on Ratinal number</li> <li>- Terms of algebra (Constant, variable terms, coefficient of terms, like &amp; unlike terms etc.)</li> <li>- Generate elgebraic expressions.</li> <li>- Add and sub on algebraic expressions</li> </ul>	Mental maths  - Who, am I in T.B.
4.	Sept.	Ch-9 : Continue..... Ch-12 Pairs of angles  Ch-6 : Ratio and propotion and	<ul style="list-style-type: none"> <li>- Pairs of angles (linear, supplementary complementary, adjacent)</li> <li>- Properties of parallel lines with transeversal</li> <li>- Ratio and propartion</li> <li>- Unitary method Continued, consolidation, general expression for unitary method</li> </ul>	Live eg. as problem sums
5.	Oct.	Ch-13 : Properties of Triangles	<ul style="list-style-type: none"> <li>- Angle sum property</li> <li>- Exterior angle Property</li> <li>- Pythagoras theorem</li> </ul>	
6..	Nov.	Ch-11 : Linear Inequalities	<ul style="list-style-type: none"> <li>- Inequalities and solution of simple Inequalities in one varaible.</li> </ul>	Mental Maths.

## Maths. - 7

S.N.	Month	Topic	Sub Concept	Activity
7.	Dec.	Ch-10 : Simple Linear equations in one variable  Ch-18 Perimeter and Area  Ch-14 : Symmetry	- Linear equations in one variable - Transposing & Balancing method - Root of equation - Perimeter of - Square, rectangle - Area of parallelogram square, Triangle and combined figures. - Symmetry - Reflection and Rotational symmetry - Angle of rotation - Rotational order	Worksheet of T.B.  Mental maths  Draw some Rotational symmetry
8.	Jan.	Ch-16 :Congruence  Ch-17 : Construction	- Congruence through Superimposition - Criteria of congruence. - Contruction of parallel line from a point outside it. - Construction of simple triangles	Live activity with biscuits
9.	Feb.	Ch-8 : Speed distance and Time  Ch-7 : Percentage	- Speed, Distance and Time Formulas - P. Sums - Conversion of percentage into Fraction decimal and ratio and vice verse - Application to profit and loss - Application to simple interest	- Live activity of speed and Time & Distance Worksheet or percentage of SA-I marks
10.	March	Ch-19 : Data handling  Ch-20 : Chance and probability	- Collection and organisation of data - Mean, Median and mode of ungrouped Data. - Bar graph - Feel of probability using data throughg experiments - Notion of chance in events like tossing coins, dice etc.	Find mean median and mode of weight of your classmates/  Activity in T.B

### Paper Style - Maths. - 7

Unit Test - 1 : Ch-1,2,5

Unit Test - 2 : Ch- 10,11,14

**Paper Style :**

Q.1 Objectives

Q.2 Do as directed

SA - 1 : Ch-3,4,5,6,9,12,13

SA - 2 : Ch-7,8,10,11,16,17,18,19,20

**Paper Style :**

Q.1 Compulsary

Q.2 Any 4 form 7 questions.

## HINDI - 7

S.N.	Month	Topic	Sub Concept	Activity
१.	जुन	१. वीर २. निर्णय का अभिवादन विलोम, समानार्थी पत्र लेखन	- वीरता, सत्य, आत्मविश्वास और गुणों की पहचान - निःस्वार्थ देश-सेवा, सैनिक-जीवन निर्णय लेने की क्षमता	समूह गान समूह चर्चा
२.	जुलाई	३. रुचियों का ज्ञान-भान ४. दिन दोपहर में शाम निबंध / अपठित गद्यांश	- बचपन की शरारते, जीवन के विभिन्न - प्राकृतिक सौंदर्य, जीव जंतुओं के प्रति विषय पर विचार - विमर्श	रुचियों पर चर्चा काल्पनिक वर्णन चर्चा
३.	अगस्त	५. मनभावन सावन ६. अंतरंग पत्राचार व्याकरण कार्य (लिंग, वचन, मुहावरे)	- ऋतु प्रभाव, वातावरण में बदलाव - मित्रता, उत्साह वर्णन, सकारात्मक सोच	समूह चर्चा पत्र लेखन
४.	सितम्बर	७. नमक सत्याग्रह ८. पैसो का पेड़ विलोम / समानार्थी	- सत्याग्रह, आत्मसम्मान, समर्पण दृढविश्वास - सत्यावादिता, कुशलता, परोपकार, आपसी संबंध, शब्द भंडार	समूह चर्चा वाद-विवाद अभ्यास
५.	अक्टूबर	९. सिंदबाद (SA-1)	- हास्य विनोद / आनंदानुभव, बुद्धिमता	समूह चर्चा
	नवम्बर	१०. बंदनी-जननी (व्याकरण)	- स्वाधीनता, देशप्रेम त्याग समर्पण	कविता गान
६.	डिसे.	लिंग-वचन - विशेषण ११. असीम अजीम प्रेमजी १२. तिलक की लोकप्रियता	- शब्दों का वर्गीकरण - लगन, परिश्रम, समाज सेवा, त्याग - देशभक्ति, आत्मविश्वास, स्पष्टवादिता	अभ्यास - डिक्टेशन अभिनय परिचर्चा
७.	जनवरी	१३. गाथा गजनंदनकी १४. गुड-गुड बच्चन (व्याकरण)	- आपसी संबंध / परस्पर प्रेम सहयोग - नाम की सार्थकता एवं महत्त्व	अभिनय समूह चर्चा
८.	फरवरी	१५. कुरल सप्तक १६. हिंदी की ब्यार पत्र लेखन १७. मशीनी मानव	- विश्वमैत्री, समय की उपयोगिता - भाषा का महत्त्व शिक्षण व्यवस्था - कृत्रिमता, काल्पनिकता वैचारिकता	समय सारिणी बनवाना डायरी लेखन समूह चर्चा
९.	मार्च	१८. सम्मान की वापसी व्याकरण अभ्यास (तदभव, तत्सम)	मेहनत धैर्य व सकारात्मक सोच	समूह चर्चा डिक्टेशन
१०.	अप्रैल	(SA-2)		



## Paper Style – Hindi - 7

UT - I Ch. : - 1,2 - विलोम / समानार्थी (20 Marks)

UT - II Ch. : - 8, 9, 10 / (20 Marks)

SA - I – Ch. : 3, 4, 5, 6, 7 (80 Marks)

SA - II – Ch. : 11 to 18 (80 Marks)

### Unit Test 1 & Unit Test 2

- Q.1. शब्दों के अर्थ
- Q.2. अशुद्ध शब्दों को शुद्ध करो
- Q.3. वाक्य बनाओ
- Q.4. खाली स्थान भरे
- Q.5. काव्यांश को पढ़कर प्रश्नों के उत्तर दे
- Q.6. एक वाक्य में प्रश्नों के उत्तर लिखे
- Q.7. विलोम , समानार्थी

(भाग क )

### SA-1 & SA-2

- Q.1. निबंध , पत्र
- Q.2. अपठित गद्यांश
- Q.3. **व्याकरण**  
समानार्थी  
विलोम  
भाववाचक  
विशेषण  
वाक्यांश के लिए एक शब्द  
मुहावरे का वाक्य में प्रयोग  
परिभाषाएँ लिखे (संज्ञा, सर्वनाम, क्रिया, भाषा, व्याकरण)

(भाग ख ) उत्कर्ष हिंदी पाठ माला

- Q.1. शब्द अर्थ
- Q.1. अशुद्ध शब्दों को शुद्ध करे
- Q.1. शब्दों का वाक्य में प्रयोग -
- Q.1. खाली स्थान भरे
- Q.1. पाठ्यांश को पढ़कर प्रश्नों के उत्तर लिखे
- Q.1. पाठों के प्रश्नों के उत्तर लिखे

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## Sanskrit- 7

S.N.	Month	Topic	Sub Concept	Activity
1	June	०१. वर्णमाला ०२. वन्दना १. भारतवर्षः	- स्वराः - व्यञ्जनाः - अनुनासिक् वर्णाः - संयुक्त व्यञ्जनवर्णाः	-विभक्ति - table practice
2	July	२. शान्तिदूतः कपोतः ३. बालो विद्यालयगामी ४. एकतायां बलमस्ति	- लङ्.लकार - भूतकाल (परस्मैपद) - विशेषपदस्य योगे विभक्तिः - लट् लकार - वर्तमान (आत्मनेपद) - कृ-विशेषप्रयोग - उपसर्गाः (१०३)	- भूतकाल table and sentence Practice - पक्षिणः वैशिष्ट्य - 'कृ' table practice
3	Aug	५. चन्द्रशेखरः आजादः ६. अमूल्यानि मौक्तकानि	- लङ्.लकार (परस्मैपद) - असधातु (लङ्.) - एकवचनम् - बहुवचनम्	- अस,कृ table practice
4	Sept.	७. आयुर्वेदः स्वास्थ्यलाभाय ८. अभ्यासेन किं न सिध्यति पुनरावर्तनम्	- प्रश्ननिर्माणम् - सन्धि (१०१) - संयोग (३४) - लट्-लङ्. लकार - स्म प्रयोगे पुनरावर्तनम्	-स्वतन्त्रता सेनानि नामानि - कीम् table practice - Script writing - लट्-लङ्. table practice
5	Oct	<b>SA-1 Exam</b>		
6	Nov	९. धन्याः भारतीयाः महिलाः	-सन्धि (स्वर-५२) -लङ्.लकार (परस्मैपद-आत्मनेपद-५५)	- लङ्.-लकार table practice
7	Dec	१०. विदेशयात्रा वर्णनम् ११. वर्ष वर्ष ई वर्षा मेघ १२. दीपोत्सव	- प्रत्ययाः (१०४) - विशेष विभक्ति (५९) - लोट् लकार (परस्मैपद) - विशेषण-विशेष्य	- table practice of लोट्-लकार
8	Jan	१३. सामान्यज्ञान प्रतियोगिता १४. सन्मित्रं पुण्येन लभ्यते	- लङ्.लकार - कृदन्त - प्रत्ययाः (१०४)	
9	Feb	१५. तेनाली रामस्य चातुर्यम् संख्या (१ से ५०) - व्यावहारिक शब्द सूची	- विभक्ति ,सन्धि - पुनरावर्तनम् - अव्ययानि	
10	March	- अपठित - कथा वर्णनम् - वार्तालापः - चित्र वर्णनम् - सूक्तयः - व्यवहार वाक्यानि	- पुनरावर्तनम्	
11	April	<b>SA-2 Exam</b>		

## Paper Style

### \* W.T -1 Exam (Ch- 1 ,2,3 + Grammer )

- प्र-1. समानार्थक पद
  2. वर्णमाला
  3. लङ्.लकार (परस्मैपद)
  4. रिक्तस्थानानि पूर्यत (विशेषपद विभक्ति)
  5. विकल्पेभ्यः उचितं शब्दं लिखत ।  
(विभक्ति)

प्र-2. पद्यांश पूर्यत Lesson no-3

प्र-3. प्रश्ननिर्माणं कुरुत

प्र-4. संयुक्त व्यञ्जनवर्णाः

प्र-5. पूर्णवाक्येन उत्तरत ।

### \* S.A-1 Exam (Ch- 1 to 8)

1. अपठित
2. वर्ण संयोजन
3. सन्धि + संयोग
4. पूर्णवाक्येन उत्तरत
5. कस्य रचना का ?
6. कः अवदत् ? पदानि
7. समानार्थक पदानि
8. प्रश्ननिर्माणं कुरुत ।
9. शब्दस्य अर्थ
10. लङ्.लकार
11. स्म प्रयोग

### \* W.T -2 Exam (Ch- 9,10,11 + Grammer)

1. समुचितं मेलनं कुरुत ।
2. पर्याय शब्द
3. पद्यांश पूर्णं करोति ।
4. संधि कुरुत ।
5. विपरितार्थकं पदं
6. पूर्णवाक्येन उत्तरत
7. विकल्पेभ्यः उचितं पदं चित्वा लिखत ।
8. लोट् लकार
9. प्रत्ययाः

### \* S.A-2 Exam (Ch-8 to 15 + Grammer)

1. अपठित
2. चित्रं दृष्ट्वा वाक्यानि रचयत ।
3. वार्तालापः ।
4. कथा पूर्यत ।
5. नामानि लिखत
  1. पुष्पाणि
  2. शाकाः
  3. रसाः
  4. वासराः
  5. दैनिक वस्तुनि
  6. संख्या - (१ से ५०)
6. विकल्पेभ्यः उचितं पदं चित्वा लिखत ।
7. पूर्णवाक्येन उत्तरत ।
8. विपरितार्थकपदानि लिखत ।
9. पर्यायशब्दाः
10. धातुरुपैः
  1. लट्
  2. लङ्.
  3. लोट्
  4. लृट्
11. नामरूप -
  1. पुल्लिङ्ग
  2. स्त्री
  3. नपु
11. सन्धि कुरुत
12. सन्धिच्छेदं कुरुत ।
13. कृदन्त
14. अव्ययानिः
15. सूक्तयः

## STD 7 BIOLOGY

SR.NO	Month	Topic	SUBTOPIC	Activity
1.	June	Chapter-1 Tissues	<b>Plant tissues classification</b> 1. Meristematic tissue 2. Permanent tissues - a) Simple permanent tissues b) Complex permanent tissue <b>Animal tissues classification</b> 3. Epithelial tissue, Muscular tissue, Nervous tissue and Connective tissue	<b>a)</b> Study of plant and animal tissues.
2.	July	Chapter-4 Plant life  Photosynthesis   Respiration	1. Autotrophic nutrition 2. Photosynthesis Process 3. Factors affecting and Significance of photosynthesis  4. Heterotrophic nutrition 5. Importance of Respiration 6. Types of Respiration 7. Respiration in plants	<b>a)</b> Study the experiments of Photosynthesis   <b>b)</b> Videos on respiration in plants
3.	Aug	Chapter-5 Human body- The Excretory System	1. Excretory organs 2. Excretory system 3. Common disorders of the urinary system	<b>a)</b> Study the model of excretory system
4.	Sep	Chapter-6 Human Body- The Nervous system	1. Nervous system and its organs 2. Structure of brain and spinal cord 3. Reflex action 4. Sense organs	<b>a)</b> Study the model of brain and sense organs
5.	Oct	<b>SA-I Exam</b>		
6.	Nov	Chapter-7 Allergy	1. Allergens, its types and route entries 2. Types of allergies	<b>a)</b> Group discussion

7.	Dec	Chapter-7 continues....  Chapter-2 Kingdom Classification -I	3. Symptoms of Allergies 4. prevention and care  1. Classification and its advantages 2. 5 kingdom classification 3. Useful and harmful bacteria	a)Study of different organisms by permanent slides and plant specimens
8.	Jan	Chapter-2 continues....	4. Amoeba and its life processes 5. Useful and harmful fungi	-
9.	Feb	Chapter- 3 Kingdom Classification-II	Kingdom animal- Invertebrates and vertebrates	a)Study of animal specimens
10.	March	<b>Revision</b>		
11.	April	<b>SA-II Exam</b>		

### Syllabus for exams:

Unit test I: Chapter-1

SA: I Chapters- 4,5,6 (Nervous system)

Unit test II: Chapter-6 (Sense organs)SA: II Chapters- 2,3,7

### Paper style - 7

#### **Unit test I and II (20 marks)**

Q.1 Multiple questions

Q.2 Fill in the blanks

Q.3(a) Concept based one word answer  
(b) True/ false.

Q.4(a) Difference between  
(b) Match the following

Q.5 (a) Short answer questions.  
(b) Long answer questions and  
Picture/ diagram based questions.

#### **SA.I and SA.II (80 marks)**

Q.1(a) MCQs

(b) Fill in the blanks

(c) True /False

Q.2 (a) Name the following

(b) Match the following

(c) Circle the odd one out giving reason

Q.3(a) Difference between

(b) Give reasons

Q.4 (a) Short answer questions

(b) Long answer questions

Q.5 (a) Picture based questions

(b) Draw a labelled diagram

## STD 7 GEOGRAPHY

SR.NO	Month	Topic	SUBTOPIC	Activity
1	June	L-1 Topographical sheets: colours signs and symbols  L-2 Scale and Distance  L-3 Composition and structure of the Atmosphere	Use of colours on Topographical sheets. Conventional signs and symbols  Use of scales for measurement; types of scales. Measuring distance on the map using scales.  Composition of the Atmosphere. Structure of the Atmosphere ( Troposphere, stratosphere, Thermosphere, mesosphere, exosphere)	In your notebook, draw a diagram showing the layers of the atmosphere.
2	July	L-4 Greenhouse effect and Global warming  L-5 Study of weather  L- 6 Recording of Weather	Green House effect- meaning and cause Global warming Causes of ozone depletion Impact of global warming Ways to reduce global warming  Elements of weather Difference between weather and climate  Weather instruments Isohyets and isotherms	Make a collection of a dozen pictures to show the various consequences of global warming  From the weather report published in your local news paper, record the time of sunrise and sunset for a week in your notebook.
3	Aug	L-7 Types of Rocks  L-8 Weathering and soil	Types of rocks (igneous, metamorphic, sedimentary) Formation of rocks  Weathering- meaning; factors affecting weathering Types of weathering (mechanical, chemical , biological) Soil formation Soil profile, importance of soil conservation	Prepare a chart of different type of rocks and write information about their colour ,hardness, texture and permeability  If there is no soil to grow crops on, where will we get our food from? Discuss with teacher.

4	Sep	L-9 Industries: Their need and classification  L-10 Major Industries	Need for industries in the world Types of industries : large scale , small scale, cottage industries; agro based industries Factors related to establishment of an industry  Important industries of the world- iron and steel, cotton textile, information technology , sugar industry, ship building , fishing , automobile, important centres of their location on world map	With the help of the internet find out the names of three companies from the following industries :- 1) Iron and steel 2) Textile 3) Cement  Imagine that you are a factory owner. Write down a few ways in which you can reduce the pollution caused by factory
5	Oct		SA 1- Exam	
6	Nov	L-11 continues L-11 Renewable and non-renewable resources	Pollution due to industries and its prevention  Renewable & Energy sources (Solar power , Hydro power and wind power) Non-renewable resources (Coal and petroleum)	Make a list of five different ways in which you can save water, for instance , reusing water used for washing vegetable to water plants
7	Dec	L-12 Europe – Location , Area, Physical features and political  L- 13 Europe – Climate, Natural vegetation, wildlife, forest and mineral	Location Boundaries Political divisions (countries with capitals ) Major physical features Case study:- Tourism in Switzerland  Climate Factors affecting the climate of Europe Vegetation and wild life Minerals and power resources	Refer to the physical map of Europe in your atlas. Moving an anticlockwise direction starting from the Arctic ocean and the white sea, observe and note down the names of all the surrounding water bodies such as seas, bays, gulfs , straits, etc. Then mark each of them on an outline map of Europe.  Collect the pictures and information on the natural vegetation and wild life of Europe from encyclopaedias and internet, make a scrapbook
8	Jan	L – 14 Africa : Location, Area, Political and Physical features	Location Boundaries Political divisions (countries with capitals ) Major physical features Case study:- Cocoa cultivation in Ghana	Collect pictures of wildlife of Africa. Paste them in your scrapbook. Write the brief description of each animals/ reptiles and birds

		L- 15 Africa: Climate, Natural vegetation, wildlife , minerals	Climate Factors affecting the climate of Africa Vegetation and wild life Minerals and power resources	
9	Feb	L- 16 Australia: Location, Area, Political and Physical features  L- 17 Australia: : Climate, Natural vegetation, wildlife , minerals	Location Boundaries Political divisions (countries with capitals ) Major physical features Case study:-Sheep rearing  Climate Factors affecting the climate of Australia Vegetation and wild life Minerals and power resources	Collect the information about the Great barrier reef from encyclopaedias or the internet and write the dairy describing all you have learnt about it in your notebook.
10	March	L-18Antarctica: Location, Physical features, climate and Natural Vegetation	Location Boundaries Climate Human Void zone	With the help of encyclopaedia and the internet find out more about the wildlife of Antarctica. Collect information and pictures of the albatross, blue whale, krill etc
	Revision			
11.	April		SA 2- Exam	

### **Syllabus for exams**

Unit Test- 1 L-1,2

SA-1- L-3,4,5,6,7,8,9

Unit Test- 2 L-10,11

SA-2 –L- 12,13,14,15,16,17,18

### **Paper style - 7**

Unit Test 1 &2(20 marks)

Q1- Objectives/ map( as per syllabus) 10m

Q2- Subjective 10m

SA-1 and SA-2 – 80 Marks

Part-I Objectives and map ( as per syllabus) 30 m

Part-II Subjective ( attempt any 5/9) 50 m

Types of objectives

-Choose the correction option

-Fill in the blanks

-Mark the wrong statements and correct them

-Match the columns

**Note: Type of Questions are subject to change for all the Paper Styles.**



# History

Month	L-No	Topic	Sub - Topic	Activity
June	1	Rise of Christianity	<ul style="list-style-type: none"> <li>a. The Medieval Period</li> <li>b. The Birth of Christianity.</li> <li>c. Main Teachings of Jesus.</li> </ul>	<ul style="list-style-type: none"> <li>Brainstorming</li> <li>Explanation</li> </ul>
	2	Spread of Christianity	<ul style="list-style-type: none"> <li>a. Decline of Ancient Roman Empire.</li> <li>b. Spread of Christianity</li> <li>c. The Crusades</li> <li>d. Monasteries and their impact</li> </ul>	<ul style="list-style-type: none"> <li>Brainstorming</li> <li>Explanation</li> </ul>
July	3	Birth of Prophet Muhammad and Spread of Islam	<ul style="list-style-type: none"> <li>a. The Advent of Islam</li> <li>b. Spread of Islam.</li> <li>c. The Abbasid and Umayyad Dynasties.</li> <li>d. India and the Arab world</li> <li>e. The Turks.</li> </ul>	<ul style="list-style-type: none"> <li>Brainstorming</li> <li>Explanation</li> </ul>
	4	The Turkish invasion and the Establishment of the Delhi Sultanate.	<ul style="list-style-type: none"> <li>a. Mahmud of Ghazni</li> <li>b. Muhammad Ghorī</li> <li>c. Qutbuddin Aibak</li> <li>d. Iltutmish</li> <li>e. Razia Sultan</li> <li>f. Ghiasuddin Balban</li> </ul>	<ul style="list-style-type: none"> <li>Telling short Stories</li> <li>Brainstorming</li> <li>Explanation</li> </ul>
Aug	5	Expansion of the Delhi Sultanate: The Khilji and the Tughlaq Dynasties	<ul style="list-style-type: none"> <li>a. Alauddin Khilji</li> <li>b. Mongol Invasion</li> <li>c. Measures against Nobles</li> <li>d. Reorganisation of the Army</li> <li>e. Revenue Reforms</li> <li>f. Market control Policy</li> <li>g. Art and Learning</li> <li>h. Ghiasuddin Tughlaq</li> <li>i. Muhammad Bin Tughlaq</li> <li>j. Firoze Shah Tughlaq</li> <li>k. The sayyid and the lodhi Dynasties</li> <li>l. A Comparative Study of The Khiljis and Tughlaqs.</li> </ul>	<ul style="list-style-type: none"> <li>Brainstorming</li> <li>Explanation</li> <li>Telling short Stories</li> </ul>
	6	Life under the Delhi Sultanate.	<ul style="list-style-type: none"> <li>a. Social and Cultural Life.</li> <li>b. Architecture</li> </ul>	<ul style="list-style-type: none"> <li>Brainstorming</li> <li>Discussion &amp; Explanation</li> </ul>

Month	L-No	Topic	Sub- Topic	Activity
			<ul style="list-style-type: none"> <li>c. Music and Dance</li> <li>d. Painting and other Cultural Changes.</li> </ul>	
Sep	7	Rise of the Vijayanagar and Bahmani kingdoms.	<ul style="list-style-type: none"> <li>a. The Vijayanagar kingdom.</li> <li>b. Achievements of the Vijayanagar Kingdom.</li> <li>c. Krishnadeva Raya.</li> <li>c. The Bahmani Kingdom.</li> <li>d. Mahmud Gawan.</li> <li>e. Achievements of the Bahmani Kingdom.</li> </ul>	<ul style="list-style-type: none"> <li>Brainstorming</li> <li>Discussion</li> <li>Explanation</li> </ul>
	8	Babur, Humayun and Sher Shah.	<ul style="list-style-type: none"> <li>a. Babur.</li> <li>b. The first Battle of Panipat.</li> <li>c. Babur's Memoirs</li> <li>d. Humayun.</li> <li>e Military Expeditions.</li> <li>f. Humayun's Exile and Return.</li> <li>g. Sher Shah Suri, Early Life.</li> <li>h. Sher Shah's Administration.</li> <li>i. Central and Provincial Administration.</li> </ul>	<ul style="list-style-type: none"> <li>Telling short Stories</li> <li>Brainstorming</li> <li>Explanation</li> </ul>
	9	Akbar	<ul style="list-style-type: none"> <li>a. Second Battle of Panipat.</li> <li>b. Bairam Khan's Regency.</li> <li>c. Conquests of Akbar.</li> <li>d. The Deccan Campaign.</li> <li>e. Administration of Akbar.</li> <li>f. Akbar's Religious Policy</li> <li>g. Rajput Policy.</li> <li>h. Social and Cultural Achievements.</li> </ul>	<ul style="list-style-type: none"> <li>Brainstorming</li> <li>Explanation</li> <li>Telling short Stories</li> </ul>
Oct		Revision		
Nov	10	Jahangir, Shah Jahan, Aurangzeb	<ul style="list-style-type: none"> <li>a. Jahangir</li> <li>b. Conquest of Mewar, The Deccan Campaigns, Conquest of Kangra, Loss of Kandahar.</li> <li>c. Nur Jahan.</li> </ul>	<ul style="list-style-type: none"> <li>Telling short stories</li> <li>Brainstorming</li> <li>Discussion</li> <li>Explanation</li> </ul>

Month	L-No	Topic	Sub - Topic	Activity
			d. Shah Jahan, End of Shah Jahan's reign. e. Aurangzeb and His Deccan Policy. f. Aurangzeb's Early and Later Reign. g. Aurangzeb's Deccan Campaigns.	Telling short stories Brainstorming Discussion Explanation
Dec	11	Bhakti and Sufi Movement	a. Causes for the Rise of Sufi Movement. b. Causes for the Rise of Bhakti Movement. c. The Sufi Movement. (Teachings of Sufism) d. The Bhakti Movement. (Teachings of the Bhakti Saints, Ramananda, Sant Kabir, Chaitanya Mahaprabhu, Meera Bai, The Alwars and Nayanars, Shankra Jnaneswara) e. Sikhism. f. Impact of the Religious Movements.	Brainstorming Telling short stories Explanation
	12	The Constitution and the Preamble.	a. Role of the Constituent Assembly. b. The Preamble. ( Sources of the Constitution) c. The Nature of The State. d. Other Objectives of the Constitution.	Brainstorming Discussion Explanation
Jan	13	Directive Principles of State Policy	a. Features of a Welfare State. b. Directive Principles of State Policy. c. Principles Promoting Economic Equality. d. Gandhian Principles. e. General Principles. f. Fundamental Rights and Directive Principles. g. Implementation of Directive Principles.	Brainstorming Discussion Explanation

## **Syllabus for exams**

**Unit Test - 1** Ch - 1 & 2

**SA-1**- Ch - 3,4,5,6& 7

**Unit Test - 2** Ch - 8 & 9

**SA-2**- Ch - 10,11,12 &13

## **Paper Style**

### **Unit Test 1 & 2 (20 marks)**

#### Part - 1

- |   |          |
|---|----------|
| Q.1 Fill in the blanks                            | 2½ marks |
| Q2. Match the following                           | 2½ marks |
| Q3. State whether the following are true or false | 2½ marks |
| Q.4 Identify the pictures                         | 2½ marks |

#### Part - 2

- |   |         |
|---|---------|
| Q1. Answer the following questions in one or two words/sentences. | 5 marks |
| Q2. Answer the following questions briefly.                       | 5 marks |

### **SA - I and SA - II - 80 marks**

#### Part – 1 Marks:- 40

- |                            |          |
|----------------------------|----------|
| Q.1 Fill in the Blanks:    | 10 marks |
| Q.2 Write true or false:   | 10 marks |
| Q.3 Match the columns:     | 10 marks |
| Q4. Identify the Pictures: | 10 marks |

#### Part II Marks:- 40

- |  |          |
|--|----------|
| Q1. Answer the question in one or two sentences.     | 10 marks |
| Q2. Answer the questions in three or four sentences. | 10 marks |
| Q3. Answer the questions in detail.                  | 10 marks |
| Q4. Write Short Notes.                               | 10 marks |