

SALWAN OPEN MASTERY ACHIEVEMENT TEST SCHEDULE - 2019

The following schedule is recommended keeping in mind the calendar of activities being planned for the academic year 2019-20:

SOMAT – 2019 will be conducted at two levels:

Level 1: for all the students of class VI

Level 2: for all the students of class IX

Day & Date of SOMAT - 2019	Subject
Thursday 22 April 2019	English Level 1
	English Level 2
Saturday 24 April 2019	Mathematics Level 1
	Mathematics Level 2
Monday 26 April 2019	Science Level 1
	Science Level 2

SALWAN OPEN MASTERY ACHIEVEMENT TEST (SOMAT)

SYLLABUS - LEVEL 1 (ENGLISH)

Class VI Moving

Total No. of Questions =30

Max. Marks = 30

Time: 2

hours

Application of Functional Grammar Questions)

(10 Marks/10

1. Joining Sentences (Connectors)
2. Articles
3. Verbs
4. Tenses
5. Passive voice
6. Indirect Speech
7. Adverbs
8. Adjectives
9. Kinds of Sentences
10. Prepositions
11. Subject-Verb Agreement
12. Punctuation marks
13. Pronouns

Vocabulary

(10 Marks/10 Questions)

1. Antonyms & synonyms
2. Homonyms & Homophones
3. Spellings

4. Prefix & Suffix
5. Word Power
6. Spellings
7. Idioms

Comprehension (2 Passages, Weightage 5+5 marks=10 Marks/10 Questions)

- Reasoning Ability and deducing
- Extracting information and direct facts
- Inferring and identifying implied ideas
- Identifying the theme or purpose of the passage

SALWAN OPEN MASTERY ACHIEVEMENT TEST (SOMAT)
SYLLABUS - LEVEL 2 (ENGLISH) Class IX Moving

Total No. of Questions = 40 Max. Marks = 40 Time: 2 hours

Grammar Usage: Questions) (15

- Determiners
- Transformation of Sentences
- Editing/Omission
- Passive Voice
- Reported Speech
- Non-Finites
- Punctuation marks
- Pronouns
- Tenses
- Adverbs
- Adjectives
- Kinds of Sentences
- Prepositions
- Conjunctions

Questions in Reading Comprehension will be based on: (2 Passages, Weightage 7+8=15 marks) Questions) (15

- Discovering Main Idea
- Identifying Detail
- Sequencing Events
- Getting Facts
- Drawing Conclusions/Predicting Outcomes
- Distinguishing Between Fact and Opinion
- Understanding Cause and Effect

- Comparing and Contrasting Ideas
- Generating and Answering Questions
- Summarizing Concepts

Understanding Vocabulary:

(10

Questions)

- ❖ **Synonyms**
- ❖ **Antonyms**
- ❖ **Spelling**
- ❖ **Word Meaning**
- ❖ **Idioms & Phrases**
- ❖ **Analogies**
- ❖ **Prefix/Suffix**
- ❖ **Homonyms**
- Visualizing Ideas
- Determining Author’s Purpose
- Understanding Point of View

Mathematics Syllabus for SOMAT 2019 – Level 1 (Class 6 Moving)

TOPIC	SUB TOPIC	NUMBER OF QUESTIONS
Number System (7, 8, 9-digit numbers)	<ul style="list-style-type: none"> • Number Names – Indian & International System of Numeration • Place, Face Value, Place Value • Expanded & Standard Form • Comparison 	4
The Four Fundamental Operations	<ul style="list-style-type: none"> • Addition, Subtraction, Multiplication and Division of Large Numbers • Word problems 	4
Factors & Multiples	<ul style="list-style-type: none"> • Factors, finding factors • Properties of Factors • Highest Common Factor (HCF) • Multiples, finding multiples • Properties of Multiples • Lowest Common Multiple (LCM) 	2
Fractions	<ul style="list-style-type: none"> • Types of Fractions • Comparison of Like & Unlike Fractions • Addition & Subtraction of Like & Unlike Fractions • Multiplication of Fractions 	4
Decimals	<ul style="list-style-type: none"> • Tenths, Hundredths and Thousandths places – Reading and Writing • Converting Fractions to Decimals and vice-versa • Comparing Decimal Numbers • Addition, Subtraction, Multiplication & Division of Decimals 	3
Percentage	<ul style="list-style-type: none"> • Converting Fraction to Percent and vice-versa • Finding % of a number 	1

Geometry	<ul style="list-style-type: none"> • Types of lines • Angles, Types of Angles 	2
Perimeter, Area & Volume	<ul style="list-style-type: none"> • Perimeter – Rectangle & Square • Area – Rectangle & Square • Volume – Cube & Cuboid 	2
Time	<ul style="list-style-type: none"> • 24-hour Clock • Addition & Subtraction of Time 	2
Money	<ul style="list-style-type: none"> • Conversion • Addition, Subtraction and Multiplication of Money • Unitary Method 	3
Data Handling	<ul style="list-style-type: none"> • Tally Chart • Pictograph • Bar Graph 	3
TOTAL NO OF QUESTIONS		30
Total Time		2 Hours

Mathematics Syllabus for SOMAT 2019 – Level 2 (Class IX Moving)

TOPIC	SUB TOPIC	NUMBER OF QUESTIONS
Basics of Numbers	<ol style="list-style-type: none"> 1. Number Expansion 2. Rational Numbers 	2
Algebra	<ol style="list-style-type: none"> 1. Basic operations on Algebraic Expressions 2. Identities : $(a + b)^2$, $(a - b)^2$, $a^2 - b^2$, $(x + a)(x + b)$ 3. Factorization 	5
Linear Equations	<ol style="list-style-type: none"> 1. Solving Linear Equations 2. Formulation of linear equation from a given situation. 	5
Percentages and ratio	<ol style="list-style-type: none"> 1. Ratio and Proportion 2. Percentages and its applications 3. Simple and compound interest 4. Direct and Inverse Variation 	4
Powers and Exponents	<ol style="list-style-type: none"> 1. Square roots and cube roots 2. Properties of exponents 	4
Angles between parallel lines	<ol style="list-style-type: none"> 1. Angle properties between parallel lines and transversal. 	3
Triangles	<ol style="list-style-type: none"> 1. Properties of triangles 2. Congruence 	4
Quadrilaterals	<ol style="list-style-type: none"> 1. Types of quadrilaterals. 2. Properties of parallelogram, square, rectangle, rhombus, trapezium and kite 	5
Mensuration	<ol style="list-style-type: none"> 1. Area and Perimeter of regular shapes 2. Surface area of 3 – D shapes 	5

	3. Volume of cube, cuboid and cylinder	
Data Interpretation and Graph	1. Range, Class Marks 2. Mean, Median and Mode (Ungrouped data) 3. Coordinate Axis	3
Total no. of questions		40
Total Time		2 hours

SALWAN OPEN MASTERY ACHIEVEMENT TEST - 2019

SYLLABUS FOR SOMAT 2019 (SCIENCE)

Level-1

Class VI Moving

Total no. of Questions: 40
hours

Marks: 40

Time: 2

S. NO.	TOPICS	CONCEPTS	No. of questions
1.	Plants	Parts of a plant Germination Adaptation (basic understanding of adaptation) Seed dispersal	4
2.	Animals	Basic understanding of adaptation Reproduction & lifecycle	4
3.	Food	Different food items. Components of food and their functions Purpose of eating food.	4
4.	Matter	What is matter? Identification of solids, liquids and gases. Change of states. Methods of separation	4
5.	Organ Systems	Digestive, respiratory, skeletal and nervous system.	5
6.	Force, Work and Energy.	Understanding of force and its types	5

		Basic understanding of work and energy	
7.	Air, Water & Weather	What does air contain? Water cycle. Basic understanding of weather.	5
8.	Our Universe	Parts of solar system Understanding of movement of earth and moon	5
9.	Soil	What does soil contain? Types of soil	2
10.	Nature and Environment	Pollution types and their effects. Saving environment-Use of renewable sources of energy	2
		Total Questions	40

SYLLABUS (SCIENCE)
(LEVEL 2) For Class IX Moving

Total = 50 marks

Duration = Two hours

No. of Questions: 50

S. NO.	TOPIC	CONCEPTS	NUMBER OF QUESTIONS
1	NUTRITION	<p><u>ANIMAL:-</u></p> <ul style="list-style-type: none"> • Human Digestive System • Deficiency Diseases • Food Test <p><u>PLANT:-</u></p> <ul style="list-style-type: none"> • Photosynthesis • Leaf and Stomata • Mode of Nutrition • Nitrogen Fixation 	6
2	RESPIRATION	<ul style="list-style-type: none"> • Aerobic and Anaerobic Respiration • Human Respiratory System • Respiration in Plants 	3

3	TRANSPORTATION	<p><u>ANIMAL:-</u></p> <ul style="list-style-type: none"> • Need for Circulatory System • Detailed Circulatory System – Blood, Blood Vessel and Heart. <p><u>PLANT:-</u></p> <ul style="list-style-type: none"> • Root • Vascular Tissues • Transpiration 	3
4	EXCRETION	<ul style="list-style-type: none"> • Human Excretory System 	2
5	REPRODUCTION	<p><u>ANIMAL:-</u></p> <ul style="list-style-type: none"> • Asexual and Sexual Reproduction • Male and Female Reproductive System • Reproductive Health <p><u>PLANT:-</u></p> <ul style="list-style-type: none"> • Asexual Reproduction • Sexual Reproduction (Flower, Pollination, Fertilisation, Fruit and Seed Formation) 	4
6	CELL	<ul style="list-style-type: none"> • Basics of Cell 	2
7	ADAPTATION	<ul style="list-style-type: none"> • Adaptation features in Plants and Animals 	2
8	FORCE, PRESSURE AND FRICTION	<ul style="list-style-type: none"> • Types of Forces (Balanced and Unbalanced forces) and applications • Understanding and calculation of Pressure • Pressure exerted by liquids and gases • Atmospheric pressure • Variation of Pressure with height • Types of Friction • Factors affecting Friction • 	3
9	ELECTRICITY AND MAGNETISM	<ul style="list-style-type: none"> • Conductors and Insulators • Components of Electric Circuit (Bulb, Switch, Fuse etc.) • Working of Electric Circuits • Heating effect of an electric current • Magnetic effect of an electric current – characteristics of magnet • Chemical effect of an electric current – Electrolysis of water, Electroplating and its applications 	4
10	LIGHT	<ul style="list-style-type: none"> • Reflection of light and Laws of reflection • Image formation by plain mirror • Image formation by spherical mirrors and uses • Types of lenses and uses • Ray Diagrams • How do we see things - Eye – basics • Dispersion of Light - Colour 	5
11	HEAT	<ul style="list-style-type: none"> • Understanding of Heat • Thermometer • Modes of heat transfer 	3
12	TIME AND MOTION	<ul style="list-style-type: none"> • Measurement of speed and time • Distance – time Graph • Types of motion 	4
13	SOUND	<ul style="list-style-type: none"> • What is sound? • Pitch(frequency), Amplitude of sound and Time period 	3

14	METALS AND NON METALS	<ul style="list-style-type: none"> • Symbols of Atoms and Molecules • Physical and Chemical properties of Metals and Non Metals. • Applications of Metals and Non Metals. 	4
15	CHANGES AROUND US	<ul style="list-style-type: none"> • Acids, bases and salts • Physical and chemical changes • Litmus test 	2
		Total	50