

SALWAN PUBLIC SCHOOL, MAYUR VIHAR-III, DELHI-110096

Ref No:-SPS/MV/2019-20/5945

Date:-5th March 2020

Dear Parents,

All the Salwan Schools do make their utmost efforts to give best qualitative results in X and XII and in order to ensure that by the time our students reach X or XII their foundation has been adequately strengthened. Salwan Education Trust has decided to conduct SALWAN OPEN MASTERY ACHIEVEMENT TEST (SOMAT) in Mathematics, Science and English for all Salwan Schools at the beginning of the session for the students promoted to Class VI and Class IX. The children have to be given exposure to thought provoking questions to tax their memory and recollect the relevant concept and if they have understood it, apply it to solve the question/problem.

This whole exercise will help us to assess the learning outcome after the primary and middle level. It is felt that this will gradually enhance their mental faculties and they would not only be better prepared to go to next higher class but also take future challenges comfortably and confidently. At this stage, our students are competent enough to take challenges to their academic prowess. SOMAT will not only enhance their thinking skills but will also help them to get more organized. By learning to reason out concepts, they will strive for active learning and systematic problem solving.

The exams are proposed to be conducted on the following dates across all Salwan Schools with a common paper in English, Maths and Science through an external agency in the MCQ format.

Day & Date	Subject	Course content
Tuesday 07 April 2020	English – Level – 1(Class VI Moving) English – Level – 2(Class IX Moving)	For Level – 1 : Prescribed syllabus of classes IV and V
Wednesday 08 April 2020	Mathematics – Level – 1(Class VI Moving) Mathematics – Level – 2(Class IX Moving)	For Level – 2 : Prescribed syllabus of classes VI, VII and VIII
Thursday 09 April 2020	Science – Level – 1 (Class VI Moving) Science – Level – 2 (Class IX Moving)	

You can also login for the exam dates and syllabus at school website www.spsmayurvihar.com.

Kindly ensure that your child is well prepared for SOMAT. The March holiday should be put to better use in preparing for this very rewarding and enriching experience.

Regards

(Seema Malik)
Principal

SALWAN OPEN MASTERY ACHIEVEMENT TEST (SOMAT 2020)

Syllabus for Class VI Moving

Question Paper Composition for all the subjects:

Total marks: 100, Duration: 2 hrs., No. of questions: 50 (20 questions of 1 mark each; 20 questions of 2 marks each and 10 questions of 4 marks each)

LEVEL 1 (ENGLISH)

Application of Functional Grammar

- | | | | | |
|-----------------------------------|-----------------------|---------------|-----------------------|------------------|
| 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

- 1) Antonyms & synonym 2) Homonyms & Homophones 3) Spellings 4) Prefix & Suffix 5) Word Power 6) Spellings 7) Idioms

Comprehension

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

LEVEL 1 (MATHEMATICS)

TOPIC	SUB TOPIC
Number System (7, 8, 9-digit numbers)	Number Names – Indian & International System of Numeration Place, Face Value, Place Value, Expanded & Standard Form Comparison
The Four Fundamental Operations	Addition, Subtraction, Multiplication and Division of Large Numbers, Word problems
Factors & Multiples	Factors, finding factors, Properties of Factors, Highest Common Factor (HCF), Multiples, finding multiples, Properties of Multiples, Lowest Common Multiple (LCM)
Fractions	Types of Fractions, Comparison of Like & Unlike Fractions Addition & Subtraction of Like & Unlike Fractions, Multiplication of Fractions
Decimals	Tenths, Hundredths and Thousandths places – Reading and Writing, Converting Fractions to Decimals and vice-versa, Comparing Decimal Numbers, Addition, Subtraction, Multiplication & Division of Decimals
Percentage	Converting Fraction to Percent and vice-versa, Finding % of a number
Geometry	Types of lines, Angles, Types of Angles
Perimeter, Area & Volume	Perimeter – Rectangle & Square, Area – Rectangle & Square, Volume – Cube & Cuboid
Time	24-hour Clock, Addition & Subtraction of Time
Money	Conversion, Addition, Subtraction and Multiplication of Money, Unitary Method
Data Handling	Tally Chart, Pictograph, Bar Graph

LEVEL 1 (SCIENCE)

TOPICS	CONCEPTS
Plants	Parts of a plant, Germination, Adaptation (basic understanding of adaptation), Seed dispersal
Animals	Basic understanding of adaptation, Reproduction & lifecycle
Food	Different food items, Components of food and their functions, Purpose of eating food.
Matter	What is matter?, Identification of solids, liquids and gases., Change of states. Methods of separation
Organ Systems	Digestive, respiratory, skeletal and nervous system.
Force, Work and Energy.	Understanding of force and its types, Basic understanding of work and energy
Air, Water & Weather	What does air contain?, Water cycle., Basic understanding of weather.
Our Universe	Parts of solar system, Understanding of movement of earth and moon
Soil	What does soil contain?, Types of soil
Nature and Environment	Pollution types and their effects., Saving environment-Use of renewable sources of energy

SALWAN OPEN MASTERY ACHIEVEMENT TEST (SOMAT 2020)**Syllabus for Class IX Moving**

Question Paper Composition for all the subjects:

TOTAL MARKS: 100, DURATION: 2 HRS., No. of questions: 50(20 questions of 1 mark each; 20 questions of 2 marks each and 10 questions of 4 marks each)

LEVEL 2 (ENGLISH)**Grammar Usage:** 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)

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: Synonyms, Antonyms, Spelling, Word Meaning, Idioms & Phrases, Analogies, Prefix/Suffix Homonyms

- Visualizing Ideas
- Determining Author's Purpose
- Understanding Point of View

LEVEL 2 (MATHEMATICS)

TOPIC	SUB TOPIC
Basics of Numbers	Number Expansion, Rational Numbers
Algebra	Basic operations on Algebraic Expressions, Identities : $(a + b)^2$, $(a - b)^2$, $a^2 - b^2$, $(x + a)(x + b)$, Factorization
Linear Equations	Solving Linear Equations, Formulation of linear equation from a given situation.
Percentages and ratio	Ratio and Proportion, Percentages and its applications, Simple and compound interest, Direct and Inverse Variation
Powers and Exponents	Square roots and cube roots, Properties of exponents
Angles between parallel lines	Angle properties between parallel lines and transversal.
Triangles	Properties of triangles, Congruence
Quadrilaterals	Types of quadrilaterals, Properties of parallelogram, square, rectangle, rhombus, trapezium and kite
Mensuration	Area and Perimeter of regular shapes, Surface area of 3 - D shapes, Volume of cube, cuboid and cylinder
Data Interpretation and Graph	Range, Class Marks, Mean, Median and Mode (Ungrouped data), Coordinate Axis

LEVEL 2 (SCIENCE)

TOPIC	CONCEPTS
NUTRITION	ANIMAL:- Human Digestive System, Deficiency Diseases, Food Test PLANT:- Photosynthesis, Leaf and Stomata, Mode of Nutrition, Nitrogen Fixation
RESPIRATION	Aerobic and Anaerobic Respiration, Human Respiratory System, Respiration in Plants
TRANSPORTATION	ANIMAL:- Need for Circulatory System, Detailed Circulatory System – Blood, Blood Vessel and Heart. PLANT:- Root, Vascular Tissues, Transpiration
EXCRETION	Human Excretory System
REPRODUCTION	ANIMAL:- Asexual and Sexual Reproduction, Male and Female Reproductive System, Reproductive Health, PLANT:- Asexual Reproduction, Sexual Reproduction (Flower, Pollination, Fertilisation, Fruit and Seed Formation)
CELL	Basics of Cell
ADAPTATION	Adaptation features in Plants and Animals
FORCE, PRESSURE AND FRICTION	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
ELECTRICITY AND MAGNETISM	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
LIGHT	Reflection of light and Laws of reflection, Image formation by plane 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
HEAT	Understanding of Heat, Thermometer, Modes of heat transfer
TIME AND MOTION	Measurement of speed and time, Distance – time Graph, Types of motion
SOUND	What is sound?, Pitch(frequency), Amplitude of sound and Time period
METALS AND NON METALS	Symbols of Atoms and Molecules, Physical and Chemical properties of Metals and Non Metals, Applications of Metals and Non Metals.
CHANGES AROUND US	Acids, bases and salts, Physical and chemical changes, Litmus test