

UDVASH Academic and Admission Care

Class Eight Syllabus

Math Syllabus		
Chapter	Lecture	Syllabus
Chapter-4 Algebraic Formulae and Applications	M-01	Exercise-4.1 Formulae, Corollary, Example
	M-02	Exercise Math, Sample CQ
	M-03	Exercise-4.2 Formulae, Corollary, Example
	M-04	Exercise Math, Sample CQ
Chapter-1 Patterns	M-05	Pattern, Determining the sum of patterns, Exercise Math: 1-8
	M-06	Magic square of order 3, 4, 5 Playing with numbers
	M-07	Geometric pattern, Example: 4
	M-08	Exercise Math: 9-11, Sample CQ
Chapter-8 Quadrilaterals	M-09	Exercise-8.1 Types of Quadrilaterals, Theorem: 1,2
	M-10	Theorem: 3-5
	M-11	Area of Quadrilaterals, Volume, and area of a cube
	M-12	Exercise Math: 1-13
	M-13	Exercise Math: 14-19
	M-14	Exercise Math, Sample CQ
Chapter-4 Algebraic Formulae and Applications	M-15	Exercise-4.3 Example: 1-10, Exercise Math: 1-30
	M-16	Exercise Math: 31-44, Sample CQ
	M-17	Exercise-4.4 H.C.F., Example: 1-3, Exercise Math: 1-20
	M-18	L.C.M., Example: 4-6, Exercise Math: 21-31, Sample CQ
Chapter-2 Profits	M-19	Exercise-2.1 Profit and Loss, Problems related to profit, Example
	M-20	Exercise Math: 1-15
	M-21	Exercise Math: 16-20, Sample CQ
	M-22	Exercise-2.2 Compound Profit, Example: 1-3
	M-23	Example: 4, Exercise Math: 1-10
	M-24	Exercise Math: 11-14, Sample CQ
Chapter-8 Quadrilaterals	M-25	Exercise-8.2 Construction of Quadrilaterals, Construction: 1-4
	M-26	Construction: 5-7, Sample CQ
	M-27	Exercise Math: 1-17
	M-28	Exercise Math: 18-24, Sample CQ
Chapter-5 Algebraic Fractions	M-29	Exercise-5.1 Algebraic Fraction, Lowest Form of Fraction, Example: 1-6
	M-30	Addition & Subtraction of Fractions, Exercise Math: 1-4, Sample CQ
	M-31	Simplification, Example:7, Exercise Math: 5
	M-32	Exercise-5.2 Multiplication and division of fractions, Example: 8-9, Exercise Math: 1-14
	M-33	Simplification, Example: 10, Exercise Math: 15
	M-34	Exercise Math: 16-20, Sample CQ

Chapter	Lecture	Syllabus
Chapter-6 Simple Simultaneous Equations	M-35	Exercise-6.1 Substitution Method, Exercise Math: 1-12
	M-36	Elimination Method, Exercise Math: 13-26, Sample CQ
	M-37	Exercise-6.2 Solving simple simultaneous equation problems, Exercise Math: 1-19
	M-38	Graphic Solution of simple simultaneous equations, Exercise Math: 20-23, Sample CQ
Chapter-10 Circle	M-39	Exercise-10.1 Chord, Arc, Diameter, Circumference of circle, Theorem: 1
	M-40	Exercise Math: 1-4, Sample CQ
	M-41	Exercise-10.1 - Exercise Math: 5,6 Exercise-10.2 - Theorem: 2
	M-42	Theorem: 3, Example: 4, Sample CQ
	M-43	Exercise Math: 1-4 (Exercise-10.2)
	M-44	Exercise Math: 5-6, Sample CQ
	M-45	Exercise-10.3 Ratio of Circumference and Diameter, Area of a Circle, Volume and area of cylinder, Example
	M-46	Exercise Math: 1-18, Sample CQ
Chapter-11 Information and Data	M-47	Information and data, Frequency Distribution Table, Example: 1-3
	M-48	Histogram, Pie-chart, Exercise Math, Sample CQ
	M-49	Central Tendency, Arithmetic Mean
	M-50	Median, Mode, Example: 4-9, Exercise Math
Chapter-3 Measurement	M-51	Exercise-3 Concept of Measurement and Units, Example: 1-9
	M-52	Exercise Math: 1-14
	M-53	Example: 10-16
	M-54	Exercise Math: 15-23
	M-55	Exercise Math: 24-28
	M-56	Exercise Math: 29-31, Sample CQ
Chapter-7 Set	M-57	Exercise-7 Set, Method of expressing set, Classification of sets, Venn-Diagram, Universal Set
	M-58	Set operations, Example
	M-59	Exercise Math: 1-22
	M-60	Exercise Math: 23-25, Sample CQ
Chapter-09 Pythagoras Theorem	M-61	Exercise-9 Pythagoras Theorem, Alternative Proof
	M-62	Converse of Pythagoras theorem
	M-63	Exercise Math: 1-18
	M-64	Exercise Math: 19-26, Sample CQ

ICT Syllabus

Chapter	Lecture	Syllabus
Chapter-1 The Importance of Information & Communication Technology	ICT-01	Lesson: 1-4 Communication, Importance of Information & Communication Technology in creating and getting job & in Business.
	ICT-02	Lesson: 5-7 The Application of Information & Communication Technology in Government Activities, Healthcare & Research, Sample Question
Chapter-2 Computer Network	ICT-03	Lesson: 8-11 The Idea & Use of Network, Topology
	ICT-04	Lesson: 12-14 Network Related Devices, Satellite and Optical Fiber, Sample Question
Chapter-3 Safe and Ethical Use of Information & Communication Technology	ICT-05	Lesson: 15-18 The Idea of Security, Malicious Software, Computer Virus, Online Identity, and Its Safety
	ICT-06	Lesson: 19-21 Cyber Crime, The Right to Information Act, Sample Question
Chapter-4 Use of Spreadsheet	ICT-07	Lesson: 22 Spreadsheet
	ICT-08	Lesson: 23-43 The Technique of Using Spreadsheet, Sample Question
Chapter-5 Use of the internet in Education and in Daily Life	ICT-09	Lesson: 44-46 Use of the Internet in Daily life, Influence of the Internet in Education, Role of the Internet in solving Everyday Problems
	ICT-10	Lesson: 47-69 E-mail, Sample Question

Science Syllabus

Chapter	Lecture	Syllabus
Chapter-6 The Structure of Atoms	S-01	Lesson: 1-6 Idea of Atoms, Atomic number, Mass number and isotopes
	S-02	Lesson: 7-8 The properties and application of isotopes, Sample CQ
	S-03	Lesson: 9-11 Electron distribution in atoms
	S-04	Lesson: 12-13 The Electron distribution and properties of elements, Sample CQ
Chapter-1 Classification of Animal World	S-05	Lesson: 1 Classification of Animal World
	S-06	Lesson: 2-5 Classification of invertebrate animals
	S-07	Lesson: 6-9 Classification of vertebrate animals, Necessity of classification, Sample CQ
Chapter-2 Growth and Heredity of Living Organism	S-08	Lesson: 1 Cell division
	S-09	Lesson: 2-4 Mitosis, Pro-metaphase, metaphase, anaphase, and telophase
	S-10	Lesson: 5-9 Meiosis, Chromosome, Sample CQ
Chapter-7 The Earth and Gravitation	S-11	Lesson: 1-3 Gravitation, Gravity, and the acceleration due to Gravity
	S-12	Lesson: 4-5 Mass and Weight, The relation between mass and weight, Mathematical Problem
	S-13	Lesson: 6 Gravitational acceleration and weight of objects at different places on Earth
	S-14	Lesson: 7-8 Weightlessness, Sample CQ
Chapter-3 Diffusion, Osmosis and Transpiration	S-15	Lesson: 1-2 Diffusion
	S-16	Lesson: 3-5 Osmosis, Importance of osmosis, Absorption of water and mineral salts
	S-17	Lesson: 6-10 Transpiration, Significance of transpiration, Transpiration of water and mineral salts, Sample CQ
Chapter-4 Reproduction in Plants	S-18	Lesson: 1-3 Reproduction
	S-19	Lesson: 4-6 Sexual reproduction, Pollination
	S-20	Lesson: 7-10 Fertilization, Germination, Sample CQ
Chapter-8 Chemical Reaction	S-21	Lesson: 1-2 Symbol, formula and valency
	S-22	Lesson: 3-4 Chemical equation, Sample CQ
	S-23	Lesson: 5-9 Chemical Reaction
	S-24	Lesson: 10-14 Conversion of reactions, Dry cells, Sample CQ
Chapter-5 Co-ordination and Secretion	S-25	Lesson: 1-3 Co-ordination in plants
	S-26	Lesson: 4-7 Nervous System, Brain, Sample CQ
	S-27	Lesson: 8-10 Spinal cord
	S-28	Lesson: 10-12 Excretory system, Sample CQ

Chapter	Lecture	Syllabus
Chapter-9 Electric Circuits and Current Electricity	S-29	Lesson: 1 Flow of current
	S-30	Lesson: 2-5 Different types of current flow, Resistance, Sample CQ
	S-31	Lesson: 6-8 Electric circuit
	S-32	Lesson: 9-12 Ammeter, voltmeter and Fuses, Sample CQ
Chapter-13 Food and Nutrition	S-33	Lesson: 1-3 Nutrition, nutrition value and food elements
	S-34	Lesson: 4-6 Lipids, Vitamins
	S-35	Lesson: 7-9 Vitamin C, Mineral salt, Deficiency related diseases, Sample CQ
Chapter-14 Environment and Ecosystem	S-36	Lesson: 1-2 Ecosystem, Components of ecosystem
	S-37	Lesson: 3-7 Types of ecosystems, Food chain and Food web
	S-38	Lesson: 8-10 Energy flow in the ecosystem, Sample CQ
Chapter-10 Acid, Base and Salt	S-39	Lesson: 1-4 Acid, Base, and indicators
	S-40	Lesson: 5-10 Use of acids and bases, characteristics, Sample CQ
	S-41	Lesson: 11-13 Acid, alkali, and salt identification
Chapter-11 Light	S-42	Lesson: 1-5 The refraction of light
	S-43	Lesson: 6-8 Total internal reflection, critical angle, Magnifying glass
	S-44	Lesson: 9-10 Human eye, Sample CQ
Chapter-12 The Outer Space and Satellites	S-45	Lesson: 1-3 The outer space, The Universe, Natural Planet or Satellite
	S-46	Lesson: 4-7 Artificial Satellite and its movement, importance and uses. Sample CQ