Class Nine Academic Program 2025
[Online/Combo]

Class & Exam Routine Part- 03 [English Version]

Date & Day	Live Class- 01 [3:30pm- 4:30pm]	Live Class- 02 [4:40pm-5:40pm]	Live Exam	Online: 9:00am to 11:55pm / Offline: 9:00am to 5:00pm
04 May 2025 (Sunday)	C-28 Chemistry: Chapter- 06	HM-28 H.Math: Chapter- 05		Daily Live Exam P-28 MCQ (10×1=10) 10 min. / Daily Live Exam B-28 MCQ (10×1=10) 10 min.
05 May 2025 (Monday)	HM-29 H.Math: Chapter- 05	C-29 Chemistry: Chapter- 07		Daily Live Exam C-28 MCQ (10×1=10) 10 min. / Daily Live Exam HM-28 MCQ (10×1=10) 10 min.
06 May 2025 (Tuesday)	B-29 Biology: Chapter- 06	M-43 Math: Chapter- 09		Daily Live Exam C- 29 MCQ (10×1=10) 10 min. / Daily Live Exam HM-29 MCQ (10×1=10) 10 min.
07 May 2025 (Wednesday)	M-44 Math: Chapter- 09	P-29 Physics: Chapter- 05		Daily Live Exam B-29 MCQ (10×1=10) 10 min. / Daily Live Exam M-43 MCQ (10×1=10) 10 min.
08 May 2025 (Thursday)	P-30 Physics: Chapter- 05	B-30 Biology: Chapter- 06		Daily Live Exam M-44 MCQ (10×1=10) 10 min. / Daily Live Exam P-29 MCQ (10×1=10) 10 min.
09 May 2025 (Friday)	ICT-03 ICT: Chapter- 02	ICT-04 ICT: Chapter- 02		Daily Live Exam P-30 MCQ (10×1=10) 10 min. / Daily Live Exam B-30 MCQ (10×1=10) 10 min.
09 May 2025 (Friday)	Chapter Wise Exam: Math- Chapter- 13 (Finite series) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
10 May 2025 (Saturday)	Chapter Wise Exam:Physics- Chapter- 04 (Work,Power and Energy) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
11 May 2025 (Sunday)	C-30 Chemistry: Chapter- 07	HM-30 H.Math: Chapter- 05		Daily Live Exam ICT-03 MCQ (10×1=10) 10 min. / Daily Live Exam ICT-04 MCQ (10×1=10) 10 min.
12 May 2025 (Monday)	HM-35 H.Math: Chapter- 09	C-31 Chemistry: Chapter- 07		Daily Live Exam C-30 MCQ (10×1=10) 10 min. / Daily Live Exam HM-30 MCQ (10×1=10) 10 min.
13 May 2025 (Tuesday)	B-31 Biology: Chapter- 06	M-57 Math: Chapter- 17		Daily Live Exam C- 31 MCQ (10×1=10) 10 min. / Daily Live Exam HM-35 MCQ (10×1=10) 10 min.
14 May 2025 (Wednesday)	M-58 Math: Chapter- 17	P-31 Physics: Chapter- 05		Daily Live Exam B-31 MCQ (10×1=10) 10 min. / Daily Live Exam M-57 MCQ (10×1=10) 10 min.
15 May 2025 (Thursday)	(P-32) Physics: Chapter- 05	B-32 Biology: Chapter- 06		Daily Live Exam M-58 MCQ (10×1=10) 10 min. / Daily Live Exam P-31 MCQ (10×1=10) 10 min.
16 May 2025 (Friday)	ICT-05 ICT: Chapter- 02	ICT-06 ICT: Chapter- 02		Daily Live Exam P-32 MCQ (10×1=10) 10 min. / Daily Live Exam B-32 MCQ (10×1=10) 10 min.
16 May 2025 (Friday)	Chapter Wise Exam: H.Math- Chapter- 05 (Equation) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
17 May 2025 (Saturday)	Chapter Wise Exam: Chemistry- Chapter- 06 (Concept of Mole and Chemical Counting) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
18 May 2025 (Sunday)	C-32 Chemistry: Chapter- 07	HM-36 H.Math: Chapter- 09		Daily Live Exam ICT-05 MCQ (10×1=10) 10 min. / Daily Live Exam ICT-06 MCQ (10×1=10) 10 min.
19 May 2025 (Monday)	HM-37 H.Math: Chapter- 09	C-33 Chemistry: Chapter- 07		Daily Live Exam C-32 MCQ (10×1=10) 10 min. / Daily Live Exam HM-36 MCQ (10×1=10) 10 min.
20 May 2025 (Tuesday)	B-33 Biology: Chapter- 07	M-59 Math: Chapter- 17		Daily Live Exam C- 33 MCQ (10×1=10) 10 min. / Daily Live Exam HM-37 MCQ (10×1=10) 10 min.
21 May 2025 (Wednesday)	M-60 Math: Chapter- 17	P-33 Physics: Chapter- 06		Daily Live Exam B-33 MCQ (10×1=10) 10 min. / Daily Live Exam M-59 MCQ (10×1=10) 10 min.
22 May 2025 (Thursday)	P-34 Physics: Chapter- 06	B-34 Biology: Chapter- 07		Daily Live Exam M-60 MCQ (10×1=10) 10 min. / Daily Live Exam P-33 MCQ (10×1=10) 10 min.
23 May 2025 (Friday)	Chapter Wise Exam: Math- Chapter- 07 (Practical Geometry) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
24 May 2025 (Saturday)	Chapter Wise Exam: Physics- Chapter- 05 (State of Matter and Pressure) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.			
25 May 2025 (Sunday)	C-34 Chemistry: Chapter- 07	HM-38 H.Math: Chapter- 09		Daily Live Exam P-34 MCQ (10×1=10) 10 min. / Daily Live Exam B-34 MCQ (10×1=10) 10 min.
26 May 2025 (Monday)	HM-39 H.Math: Chapter- 09	C-35 Chemistry: Chapter- 07		Daily Live Exam C-34 MCQ (10×1=10) 10 min. / Daily Live Exam HM-38 MCQ (10×1=10) 10 min.
27 May 2025 (Tuesday)	B-35 Biology: Chapter- 07	M-17 Math: Chapter- 04		Daily Live Exam C- 35 MCQ (10×1=10) 10 min. / Daily Live Exam HM-39 MCQ (10×1=10) 10 min.
28 May 2025 (Wednesday)	M-18 Math: Chapter- 04	P-35 Physics: Chapter- 06		Daily Live Exam B-35 MCQ (10×1=10) 10 min. / Daily Live Exam M-17 MCQ (10×1=10) 10 min.
29 May 2025 (Thursday)	P-36 Physics: Chapter- 06	B-36 Biology: Chapter- 07		Daily Live Exam M-18 MCQ (10×1=10) 10 min. / Daily Live Exam P-35 MCQ (10×1=10) 10 min.
30 May 2025 (Friday)	Chapter Wise Exam: Biology- Chapter- 06 (Transport in Organisms) MCQ (10×1=10); 10 min & CQ/ Written (30 marks) 1 hour.			
31 May 2025 (Saturday)	Chapter Wise Exam: Math- Chapter- 17 (Statistics) MCQ (10×1=10) 10 min & CQ/ Written (30 marks) 1 hour.			
01 June 2025 (Sunday)	C-36 Chemistry: Chapter- 07	HM-40 H.Math: Chapter- 09		Daily Live Exam P-36 MCQ (10×1=10) 10 min. / Daily Live Exam B-36 MCQ (10×1=10) 10 min.
02 June 2025 (Monday)	HM-41 H.Math: Chapter- 09	C-37 Chemistry: Chapter- 08		Daily Live Exam C-36 MCQ (10×1=10) 10 min. / Daily Live Exam HM-40 MCQ (10×1=10) 10 min.

All classes & exams will be closed on the occasion of the holy Eid-ul-Adha [from 03.06.2025 to 14.06.2025].			
15 June 2025 (Sunday)	**C-38** Chemistry: Chapter- 08	**HM-42** H.Math: Chapter- 09	Daily Live Exam **C- 37** MCQ (10×1=10) 10 min. Daily Live Exam **HM-41** MCQ (10×1=10) 10 min.
16 June 2025 (Monday)	**HM-21** H.Math: Chapter- 04	**C-39** Chemistry: Chapter- 08	Daily Live Exam **C-38** MCQ (10×1=10) 10 min. Daily Live Exam **HM-42** MCQ (10×1=10) 10 min.
17 June 2025 (Tuesday)	**B-37** Biology: Chapter- 08	**M-19** Math: Chapter- 04	Daily Live Exam **C- 39** MCQ (10×1=10) 10 min. Daily Live Exam **HM-21** MCQ (10×1=10) 10 min.
18 June 2025 (Wednesday)	**M-20** Math: Chapter- 04	**P-37** Physics: Chapter- 06	Daily Live Exam **B-37** MCQ (10×1=10) 10 min. Daily Live Exam **M-19** MCQ (10×1=10) 10 min.
19 June 2025 (Thursday)	**P-38** Physics: Chapter- 06	**B-38** Biology: Chapter- 08	Daily Live Exam **M-20** MCQ (10×1=10) 10 min. Daily Live Exam **P-37** MCQ (10×1=10) 10 min.
20 June 2025 (Friday)	**ICT-07** ICT: Chapter- 03	**ICT-08** ICT: Chapter- 03	Daily Live Exam **P-38** MCQ (10×1=10) 10 min. Daily Live Exam **B-38** MCQ (10×1=10) 10 min.
	Chapter Wise Exam: ICT- Chapter- 02 (Computer Maintenance and Cyber Security) MCQ (15×1=15); 15 min & Written (10 marks); 15 min.		
21 June 2025 (Saturday)	**Chapter Wise Exam: Math- Chapter- 04 (Exponents and Logarithms) MCQ (10×1=10) 10 min & CQ/ Written (30 marks) 1 hour.**		
22 June 2025 (Sunday)	**C-40** Chemistry: Chapter- 08	**HM-22** H.Math: Chapter- 04	Daily Live Exam **ICT-07** MCQ (10×1=10) 10 min. Daily Live Exam **ICT-08** MCQ (10×1=10) 10 min.
23 June 2025 (Monday)	**HM-23** H.Math: Chapter- 04	**C-41** Chemistry: Chapter- 08	Daily Live Exam **C-40** MCQ (10×1=10) 10 min. Daily Live Exam **HM-22** MCQ (10×1=10) 10 min.
24 June 2025 (Tuesday)	**B-39** Biology: Chapter- 09	**M-33** Math: Chapter- 08	Daily Live Exam **C- 41** MCQ (10×1=10) 10 min. Daily Live Exam **HM-23** MCQ (10×1=10) 10 min.
25 June 2025 (Wednesday)	**M-34** Math: Chapter- 08	**P-39** Physics: Chapter- 07	Daily Live Exam **B-39** MCQ (10×1=10) 10 min. Daily Live Exam **M-33** MCQ (10×1=10) 10 min.
26 June 2025 (Thursday)	**P-40** Physics: Chapter- 07	**B-40** Biology: Chapter- 09	Daily Live Exam **M-34** MCQ (10×1=10) 10 min. Daily Live Exam **P-39** MCQ (10×1=10) 10 min.
27 June 2025 (Friday)	**Chapter Wise Exam: H.Math- Chapter- 09 (Exponential and Logarithmic Function) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.**		
28 June 2025 (Saturday)	**Chapter Wise Exam: Biology- Chapter- 07 (Exchange of Gases) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.**		
29 June 2025 (Sunday)	**C-42** Chemistry: Chapter- 08	**HM-24** H.Math: Chapter- 04	Daily Live Exam **P-40** MCQ (10×1=10) 10 min. Daily Live Exam **B-40** MCQ (10×1=10) 10 min.
30 June 2025 (Monday)	**HM-53** H.Math: Chapter- 14	**C-43** Chemistry: Chapter- 09	Daily Live Exam **C-42** MCQ (10×1=10) 10 min. Daily Live Exam **HM-24** MCQ (10×1=10) 10 min.
01 July 2025 (Tuesday)	**B-41** Biology: Chapter- 09	**M-35** Math: Chapter- 08	Daily Live Exam **C- 43** MCQ (10×1=10) 10 min. Daily Live Exam **HM-53** MCQ (10×1=10) 10 min.
02 July 2025 (Wednesday)	**M-36** Math: Chapter- 08	**P-41** Physics: Chapter- 07	Daily Live Exam **B-41** MCQ (10×1=10) 10 min. Daily Live Exam **M-35** MCQ (10×1=10) 10 min.
03 July 2025 (Thursday)	**P-42** Physics: Chapter- 07	**B-42** Biology: Chapter- 09	Daily Live Exam **M-36** MCQ (10×1=10) 10 min. Daily Live Exam **P-41** MCQ (10×1=10) 10 min.
04 July 2025 (Friday)	**Chapter Wise Exam: Physics- Chapter- 06 (Effect of Heat on Matter) MCQ (10×1=10) 10 min & CQ/ Written (30 marks) 1 hour.**		
05 July 2025 (Saturday)	**Chapter Wise Exam: Chemistry- Chapter- 07 (Chemical Reactions) MCQ (10×1=10); 10 min & CQ/ Written (30 marks); 1 hour.**		
Next Class & Exam Routine (Part-04) will be published in...			

Online Class & Exam System:

- Scan the QR code below to attend classes and exams or visit **online.udvash-unmesh.com** and **login** using the registration number provided.
- You can appear once between **9 am** to **11:55pm** as per date mentioned in **daily exam** routine.
  However, for more practice, students can participate in the **Practice Exam** of the same syllabus multiple times.
- Use the **Past Class** option to view recorded videos and PDFs of daily classes.
- **Q&A** option can be used 24/7 to solve any subject related problems after the class.
- All those admitted in the 'Combo Batch' can participate in the Chapter wise exams online as well as in any nearby branch.
- Join our Facebook group **(https://www.facebook.com/groups/udvashnineten25)** to get all information in time.

Physics		
Chapter	**Lecture**	**Lecture-based discussion**
Chapter-05 **State of Matter and Pressure**	**P-29**	Pressure of air, Torricelli's experiment, Pressure of air and weather.
	P-30	Three States of Matter: Solid, Liquid and Gas, Molecular Kinetic Theory of Matter, Fourth state of Substance.
	P-31	Elasticity
	P-32	Mathematical Problems.
Chapter-06 **Effect of Heat on Matter**	**P-33**	Heat and Temperature, Internal Energy
	P-34	Thermometric Properties of Matter, Relation among different scales and Mathematical Problems.
	P-35	Thermal Expansion of Matter, Expansion of Solids, Expansion of Liquid, Expansion of Gases,
	P-36	Effect of Temperature on Change of State, Dependence of Vaporization(Flow of air the area of the exposed surface of the liquid, nature of liquid, pressure of air).
	P-37	Specific Heat, Fundamental principle of Calorimetry, Effect of pressure on Melting Point and boiling Point
	P-38	Specific Heat, Fundamental principle of Calorimetry, Mathematical Problems.
Chapter-07 **Waves and Sound**	**P-39**	Simple Harmonic Motion
	P-40	Waves, Characteristics of Waves, Types of Waves,

| | P-41 | Wave related quantities, Sound Wave, Characteristics of sound wave, Echo, |
| | P-42 | Variation of Velocity of Sound, Mathematical problem |

Chemistry		
Chapter	**Lecture**	**Lecture-based discussion**
Chapter-06 **Concept of Mole and Chemical Counting**	C-28	Mole and Chemical Equation, Calculation of the Percentage of Yield, Limiting Reactant.
Chapter-07 **Chemical Reactions**	C-29	Changes of Matter, Physical Change, Chemical Change, Classification of Chemical Reactions (Direction of Reaction, Heat Change and Reactions).
	C-30	Chemical Change, Classification of Chemical Reactions (Oxidation, Reduction, Electron Transfer, Redox Reactions)
	C-31	Oxidation Number and Determining Oxidation Number, Oxidation-reduction is a simultaneous process.
	C-32	Reactions that occur through electron transfer (Addition, Decomposition, Substitution or Displacement and Combustion Reaction)
	C-33	Non Redox Reaction (Precipitation and Neutralization Reaction), Special Types of Chemical Reactions (Hydrolysis and Hydration Reaction),
	C-34	Special Types of Chemical Reactions, Isomerization and Polymerization,
	C-35	Example of a Few Real-Life Chemical Reactions, Ways of Prevention of Some Harmful Reactions, Rate of Reaction.
	C-36	Le Chatelier's Principle, Explanation of Le Chatelier's Principle and Effect,
Chapter-08 **Chemistry & Energy**	C-37	Source of chemical energy, Classification of chemical reactions according to change of heat, (Exothermic and Endothermic), Calculation of heat change in chemical reactions using the bond energy.
	C-38	Mathematical problem related to heat change in chemical reactions, Transformation of chemical energy into different types of energy, Chemical energy and use of various energies obtained from chemical energy.
	C-39	Appropriate use of chemical energy, Importance of purity of fuel, Negative effects of the use of chemical energy, uses of ethanol as fuel.
	C-40	Electrochemical cells, conductors, electronic conductors, Electrolyte & Electrode, Electrolytic cell, Electrolysis, Uses of electrolysis.
	C-41	Mechanism of electrolysis.
	C-42	Production of electricity by chemical reactions, nuclear reaction & electricity generation.
Chapter-09 **Acid- Base Balance**	C-43	Acid, Demonstrating properties of dilute acids through experiments, The role of water in chemical properties of acids, Alkali & Base, Properties of dilute bases.

Math		
Chapter	**Lecture**	**Lecture-based discussion**
Chapter-09 **Trigonometric Ratio**	M-43	Proof of Trigonometric Ratios of Angles 0°,30°,60°,45°,90°, Example (13) Exercise 9.2 (1-17, 22, 27).
	M-44	Example (14), Exercise-9.2 (18-21, 23-26, 28-32).
Chapter-17 **Statistics**	M-57	Cumulative frequency, frequency distribution table, Mass Polygons, Ogive curve.
	M-58	Determination of mean, Determination of arithmatic mean in short cut method.
	M-59	Concept of median, Examples, Exercises- 17.
	M-60	Concept of mode, Examples, Exercises – 17.
Chapter-04 **Exponents and Logarithms**	M-17	Exponents, Laws of of Exponents, Proofs and Examples, Exercise-4.1 (1-8).
	M-18	Exercise 4.1 (9-22), Basic concepts of Logarithms.
	M-19	Proof of Laws of Logarithms, Exercise – 4.2
	M-20	Method of Logarithms (Normal Logarithm, Common Logarithm) Concepts of characteristics and mantissa of common logs, Exercise 4.3, Example.
Chapter-08 **Circle**	M-33	Circle, interior and exterior of a circle, chord and diameter, Theorems (17, 18, 19), Exercise-8.1 (1-2).
	M-34	Exercise- 8.1 (3-8).
	M-35	Arc of a Circle, Inscribed angle, Central angle, Theorem- 20, 21, 22
	M-36	Exercise – 8.2

H. Math		
Chapter	**Lecture**	**Lecture-based discussion**
Chapter-05 **Equation**	HM-28	Exercise-5.3
	HM-29	(System of Quadratic Equations in Two Variables, Example), Exercise-5.4
	HM-30	(Applications of Quadratic Equations, Example), Exercise-5.5
Chapter-09	HM-35	Rational and Irrational Exponents, Laws for Exponents, Explanation of Roots (Proof of Formula (7), Rational Fractional Exponents, Corollary, Exercise-9.1 Examples (9-12).
	HM-36	Exercise 9.1 Examples (13,14,15), Activity.

	HM-37	Exercise-9.1 (1-6, 8).
Exponential and Logarithmic Function	HM-38	Example (16, 17), Exercise-9.1 (7, 9).
	HM-39	Examples (18-29), Activity on page 223.
	HM-40	Exercise-9.2 (1, 2, 3, 4, 5 of 7, 6).
	HM-41	Exercise-9.2 (6,7,8, of 7), Examples (31, 33), Exercise-9.2 (10, 11, 12).
	HM-42	Logarithmic and Absolute Value Functions, Graph of Functions, Exercise-9.2 (8, 9, 13, 14, 15).
Chapter-04 Geometric Constructions	HM-21	Construction-(1, 2, 3, 4, 5, 6), Example-1, 2, 3
	HM-22	Exercise-4 (12, 13, 14), Exercise-4 (1-6).
	HM-23	Exercise-4 (7-11).
	HM-24	Exercise-4 (15-18).
Chapter-14 Probability	HM-53	Some Concepts related to Probability, Logic Based Probability, Data Based Probability, Examples, Activity, Exercise-14 (1-6).

Biology		
Chapter	**Lecture**	**Lecture-based discussion**
Chapter-06 Transport in Organisms	B-29	Blood group, Donation of blood and social responsibilities, Stricture and function of heart.
	B-30	Circulation of blood through the heart, Blood vessels (artery, vein, capillaries).
	B-31	Blood pressure, Ideal blood pressure, Hypertension, Cholesterol, Demerits of high cholesterol, Functions of cholesterol- Usefulness and its risk.
	B-32	Irregularities in blood and bone marrow-Leukemia, Circulatory diseases and their remedies (Heart attack, Rheumatic fever, Measures to keep the heart sound).
Chapter-07 Exchange of Gases	B-33	Gas exchange in plants, Human respiratory system (Nasal cavity and nasal passage, Pharynx, Larynx, Trachea)
	B-34	Human respiratory system (Bronchus, Lungs, Diaphragm), Breathing
	B-35	Gaseous exchange, O_2 absorption, CO_2 transport, Diseases of respiratory system (Asthma)
	B-36	Diseases of respiratory system (Bronchitis, Pneumonia, Tuberculosis, Lung cancer)
Chapter-08 Excretory System	B-37	Excretory system, Excretory products, Kidney, Nephron
	B-38	Function of kidney, Role of kidneys in osmoregulation, Kidney stone, Kidney failure, Dialysis and kidney transplant, Precaution.
Chapter-09 Firmness and Locomotion	B-39	Introductions of human skeleton, Role of skeleton in firmness and locomotion
	B-40	Bone, Cartilage and Joint, Synovial joint, Types of joint
	B-41	Muscles, Roles of bones and muscles in human locomotion, Tendon and ligament
	B-42	Diseases of bones (Osteoporosis, Rheumatoid arthritis) (Review of the chapter)

Information & Communication Technology		
Chapter	**Lecture**	**Lecture-based discussion**
Chapter-02 Computer Maintenance and Cyber Security	ICT-03	Computer Maintenance, Importance of Software in the Maintenance of Computer, Installation and Uninstallation of Software, Installation of Software, Deletion of Software.
	ICT-04	Information Security and Cyber Risk, Cyber Crime, Hacking, Brute Force Attack, Data Interception, DDoS Attack, Cyber Bullying, Fake News.
	ICT-05	The Strategies for Security over the Internet, Two Factor Authentication (2FA), Internet Addiction Disorder (IAD), Addiction to Computer Games, Addiction to Social Networking Site, The Way out of Addiction.
	ICT-06	Piracy, The Urgency of Copyright Law, Right to Information and Security, General Troubleshooting, Some Common Desktop Computer Problems and Solutions.
Chapter-03 The Internet in my Education	ICT-07	Internet, Digital content, Types of Digital Content, E-Book, Benefits of using E-Books, Different types of E-books.
	ICT-08	The Internet in Education, The Internet and my Academic Subjects, Web page and web portal, web page and web client, web client, web browser, Search engine.