

# Class 10 Academic Program 2025

[Online]

## Class & Exam Routine-02

Date & Day	Live Class English Version - 3.30pm	Live Exam	Online: 9.00am-11.00pm
			Offline: 9.00am-5.00pm
16 February 2025 (Sunday)	<b>Live Class</b> H.Math (HM-11+12); Chapter-08	Daily Live Exam <b>(B-11+12) MCQ</b> (10×1=10); 10 min	
17 February 2025 (Monday)	<b>Live Class</b> Chemistry (C-11+12); Chapter-05	Daily Live Exam <b>(HM-11+12) MCQ</b> (10×1=10); 10 min	
18 February 2025 (Tuesday)	<b>Live Class</b> Math (M-11+12); Chapter-03	Daily Live Exam <b>(C-11+12) MCQ</b> (10×1=10); 10 min	
19 February 2025 (Wednesday)	<b>Live Class</b> Physics (P-13+14); Chapter-03	Daily Live Exam <b>(M-11+12) MCQ</b> (10×1=10); 10 min	
20 February 2025 (Thursday)	<b>Live Class</b> Biology (B-13+14); Chapter-04	Daily Live Exam <b>(P-13+14) MCQ</b> (10×1=10); 10 min	
22 February 2025 (Saturday)	<b>Live Class</b> ICT (ICT-03+04); Chapter-02	Daily Live Exam <b>(ICT-01+02) MCQ</b> (10×1=10); 10 min	
	<b>Chapter Wise Exam</b> –Chemistry–Chapter-04 (Periodic Table) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr		
23 February 2025 (Sunday)	<b>Live Class</b> H.Math (HM-13+14); Chapter-08	Daily Live Exam <b>(B-13+14) MCQ</b> (10×1=10); 10 min	
24 February 2025 (Monday)	<b>Live Class</b> Chemistry (C-13+14); Chapter-05	Daily Live Exam <b>(HM-13+14) MCQ</b> (10×1=10); 10 min	
25 February 2025 (Tuesday)	<b>Live Class</b> Math (M-13+14); Chapter-03	Daily Live Exam <b>(C-13+14) MCQ</b> (10×1=10); 10 min	
26 February 2025 (Wednesday)	<b>Live Class</b> Physics (P-15+16); Chapter-03	Daily Live Exam <b>(M-13+14) MCQ</b> (10×1=10); 10 min	
27 February 2025 (Thursday)	<b>Live Class</b> Biology (B-15+16); Chapter-11	Daily Live Exam <b>(P-15+16) MCQ</b> (10×1=10); 10 min	
28 February 2025 (Friday)	<b>Chapter Wise Exam</b> –Biology–Chapter-04 (Bioenergetics) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr		
01 March 2025 (Saturday)	<b>Chapter Wise Exam</b> –H.Math–Chapter-08 (Trigonometry - Partial) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr		
<b>Class and Exam schedule for the Holy month of "Ramadan"</b>			
Date & Day	Live Class : 1.30pm	Live Exam : Online-8am to 11pm & Offline-9am to 4pm	
02 March 2025 (Sunday)	<b>Live Class</b> H.Math (HM-15+16); Chapter-09	Daily Live Exam <b>(B-15+16) MCQ</b> (10×1=10); 10 min	
03 March 2025 (Monday)	<b>Live Class</b> Chemistry (C-15+16); Chapter-06	Daily Live Exam <b>(HM-15+16) MCQ</b> (10×1=10); 10 min	
04 March 2025 (Tuesday)	<b>Live Class</b> Math (M-15+16); Chapter-03	Daily Live Exam <b>(C-15+16) MCQ</b> (10×1=10); 10 min	
05 March 2025 (Wednesday)	<b>Live Class</b> Physics (P-17+18); Chapter-04	Daily Live Exam <b>(M-15+16) MCQ</b> (10×1=10); 10 min	
06 March 2025 (Thursday)	<b>Live Class</b> Biology (B-17+18); Chapter-11	Daily Live Exam <b>(P-17+18) MCQ</b> (10×1=10); 10 min	
07 March 2025 (Friday)	<b>Chapter Wise Exam</b> - Chemistry–Chapter-05 (Chemical Bond-Partial) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr		
08 March 2025 (Saturday)	<b>Chapter Wise Exam</b> -ICT–Chapter-02 (Computer Maintenance and Cyber Security) <b>MCQ</b> (15×1=15); 15 min & <b>Written</b> 10 marks 15 min		
09 March 2025 (Sunday)	<b>Live Class</b> H.Math (HM-17+18); Chapter-09	Daily Live Exam <b>(B-17+18) MCQ</b> (10×1=10); 10 min	
10 March 2025 (Monday)	<b>Live Class</b> Chemistry (C-17+18); Chapter-06	Daily Live Exam <b>(HM-17+18) MCQ</b> (10×1=10); 10 min	
11 March 2025 (Tuesday)	<b>Live Class</b> Math (M-17+18); Chapter-07	Daily Live Exam <b>(C-17+18) MCQ</b> (10×1=10); 10 min	
12 March 2025 (Wednesday)	<b>Live Class</b> Physics (P-19+20); Chapter-04	Daily Live Exam <b>(M-17+18) MCQ</b> (10×1=10); 10 min	
13 March 2025 (Thursday)	<b>Live Class</b> Biology (B-19+20); Chapter-12	Daily Live Exam <b>(P-19+20) MCQ</b> (10×1=10); 10 min	
14 March 2025 (Friday)	<b>Chapter Wise Exam</b> –Math–Chapter-03 (Algebraic Expressions) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr		
15 March 2025 (Saturday)	<b>Chapter Wise Exam</b> - Physics–Chapter-03 (Force) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr		
16 March 2025 (Sunday)	<b>Live Class</b> H.Math (HM-19+20); Chapter-09	Daily Live Exam <b>(B-19+20) MCQ</b> (10×1=10); 10 min	
17 March 2025 (Monday)	<b>Live Class</b> Chemistry (C-19+20); Chapter-06	Daily Live Exam <b>(HM-19+20) MCQ</b> (10×1=10); 10 min	
18 March 2025 (Tuesday)	<b>Live Class</b> Math (M-19+20); Chapter-07	Daily Live Exam <b>(C-19+20) MCQ</b> (10×1=10); 10 min	
19 March 2025 (Wednesday)	<b>Live Class</b> Physics (P-21+22); Chapter-04	Daily Live Exam <b>(M-19+20) MCQ</b> (10×1=10); 10 min	
20 March 2025 (Thursday)	<b>Live Class</b> Biology (B-21+22); Chapter-12	Daily Live Exam <b>(P-21+22) MCQ</b> (10×1=10); 10 min	
21 March 2025 (Friday)	<b>Chapter Wise Exam</b> - Biology–Chapter-11 (Reproduction in organism-Partial) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr		
22 March 2025 (Saturday)	<b>Chapter Wise Exam</b> - Chemistry–Chapter-06 (Concept of Mole and Chemical Counting) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr		
23 March 2025 (Sunday)	<b>Live Class</b> H.Math (HM-21+22); Chapter-09	Daily Live Exam <b>(B-21+22) MCQ</b> (10×1=10); 10 min	
24 March 2025 (Monday)	<b>Live Class</b> Chemistry (C-21+22); Chapter-07	Daily Live Exam <b>(HM-21+22) MCQ</b> (10×1=10); 10 min	
25 March 2025 (Tuesday)	<b>Live Class</b> ICT (ICT-05+06); Chapter-04	Daily Live Exam <b>(ICT-03+04) MCQ</b> (10×1=10); 10 min	
(26 March to 05 April, 2025) All Classes and examinations will be closed due to 'Eid-UI-Fitr'			
3 <sup>rd</sup> Part Routine Upcoming.....			

## Online Class & Exam System:

- Scan the QR code below to attend classes and exams or visit [online.udvash-unmesh.com](https://online.udvash-unmesh.com) and login using the registration number provided.
- You can appear once between **8 am to 11 pm** as per date mentioned in daily exam routine.
- Use the **Past Class** option to view recorded videos and PDFs of daily classes. But, for more practice, students can participate in the **Practice Exam** for the same syllabus multiple times.
- **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 ([Fb.com/groups/ssc.udvashunmesh](https://fb.com/groups/ssc.udvashunmesh)) to get all information in time.

## Class 10 Academic Program 2025 [Online] Syllabus

### Physics

Chapter	Lecture	Content
<b>Chapter-03</b> (Force)	<b>P-13</b>	Effect of Force on Motion: Newton's Second Law & Gravitational Force
	<b>P-14</b>	Mathematical problems
	<b>P-15</b>	Newton's Third Law
	<b>P-16</b>	Frictional Force, Types of Friction (Static Friction, Kinetic Friction, Rolling Friction), Effects of Friction on Motion (Tyre's Surface, Smoothness off road, Controlling Motion and Breaking Force), Increase and Decrease of Friction, Friction: An essential hazard, Mathematical problems
<b>Chapter-04</b> (Work, Power and Energy)	<b>P-17</b>	Work, Energy
	<b>P-18</b>	Different Forms of energy, Kinetic Energy, Potential Energy
	<b>P-19</b>	Sources of Energy, Non-Renewable Energy (Fuel Energy, Nuclear Energy), Renewable Energy (Hydroelectricity, Biomass, Solar energy, Wind energy, Bio Fuel, Geothermal energy), Transformation of energy and impact on environment, Conservation and Transformation of Energy, Conservation of energy, Transformation of Energy (Electrical energy, Chemical energy, Heat energy, Mechanical energy, Light energy, Mass)
	<b>P-20</b>	Relation between mass and energy, Mathematical problems
	<b>P-21</b>	Power, Efficiency
	<b>P-22</b>	Mathematical problems

### Chemistry

Chapter	Lecture	Content
<b>Chapter-05</b> (Chemical Bond-Partial)	<b>C-11</b>	Valence Electrons, Valency, Radicals and Their Valencies, Chemical Formula of Compounds, Molecular Formula and Structural Formula, Octet and Duet Rules
	<b>C-12</b>	Inert Gases and their Stability, Chemical Bonds and the Causes of their Formation, Cations and Anions
	<b>C-13</b>	Ionic Bond or Electrovalent Bond, Covalent Bonds, Revision
	<b>C-14</b>	Characteristics of Ionic and Covalent Bonds (Melting Point and Boiling Point, Solubility, Electrical Conductivity)
<b>Chapter-06</b> (Concept of Mole and Chemical Counting)	<b>C-15</b>	Mole, Avogadro's number, Molar Volume of Gas, Mole and Molecular Formula
	<b>C-16</b>	Molar Solution & Molarity, Mathematical problems
	<b>C-17</b>	The Percentage Composition of Elements in Compounds, Percent Composition and Empirical Formula
	<b>C-18</b>	Determining the Molecular Formula of a Compound from Percent Composition
	<b>C-19</b>	Chemical Reactions and Chemical Equations, Balancing Chemical Equations.
<b>C-20</b>	Mole and Chemical Equation, Calculation of the Percentage of Yield, Limiting Reactant.	
<b>Chapter-07</b> (Chemical Reactions)	<b>C-21</b>	Changes of Matter, Physical Change, Chemical Change, Classification of Chemical Reactions (Direction of Reaction, Heat Change and Reactions), Electron Transfer: Redox Reactions
	<b>C-22</b>	Oxidation Number and Determining Oxidation Number, Oxidation-reduction is a simultaneous process

## Biology

Chapter	Lecture	Content
<b>Chapter-04</b> (Bioenergetics)	<b>B-13</b>	Respiration, Type of respiration, Respiratory Factors (Aerobic respiration)
	<b>B-14</b>	Respiratory Factors (Anaerobic respiration), Factors affecting respiration, Significance of respiration
<b>Chapter-11</b> (Reproduction in organism-Partial)	<b>B-15</b>	Concept of reproduction in organism and its significance, Plant Reproduction (Reproductive organ: Flower, Different parts of a flower)
	<b>B-16</b>	Inflorescence, Pollination, Medium of Pollination
	<b>B-17</b>	Microsporogenesis, Megaspороgenesis
	<b>B-18</b>	Fertilization, Development of new sporophyte, Origin of fruits
<b>Chapter-12</b> (Heredity in Organisms and Biological Evolution)	<b>B-19</b>	Heredity in organism, Components carrying (heredity materials) behavioural features to the offspring from generation to generation, Chromosome, DNA
	<b>B-20</b>	RNA, Gene, DNA replication
	<b>B-21</b>	DNA Test, Determination of human sex
	<b>B-22</b>	Genetic disorder (Colour blind or Colour blindness, Thalassemia)

## Mathematics

Chapter	Lecture	Content
<b>Chapter-03</b> (Algebraic Expressions)	<b>M-11</b>	Exercise -3.3 (26-31), Concept of Remainder Theorem, Concept of Factor Theorem, Example, Work
	<b>M-12</b>	Exercise -3.4 (1-16)
	<b>M-13</b>	Forming and applying algebraic formulae solving real life problems (Related to Payable or Attainable, Related to Time and Work, Related to Time and Distance) affairs, Exercise - 3.5 (14-19)
	<b>M-14</b>	Forming and applying algebraic formulae solving real life problems (Related to pipe and water tank, Related to profit and loss ) affairs, Exercise - 3.5 (20-25)
	<b>M-15</b>	Algebraic formula formation (Related to investment and profit), Exercise -3.5 (26-33)
	<b>M-16</b>	Exercise - 3.5 (34-38)
<b>Chapter-07</b> (Practical Geometry)	<b>M-17</b>	Construction (1, 2, 3) Exercise -7.1 (1, 2)
	<b>M-18</b>	Exercise - 7.1 (3-7)
	<b>M-19</b>	Construction (4, 5), Example (3, 4), Exercise - 7.2 (1-10)
	<b>M-20</b>	Exercise - 7.2 (11-19)

## Higher mathematics

Chapter	Lecture	Content
<b>Chapter-08</b> (Trigonometry - Partial)	<b>HM-11</b>	Sign of trigonometric ratios in different quadrants , Trigonometric Ratios Exercise -8.2 (1-6)
	<b>HM-12</b>	Exercise -8.2 (7-13), Example, Exercise -8.3 (10, 12)
	<b>HM-13</b>	Trigonometric ratios of many angles, Exercise -8.3 (7-9)
	<b>HM-14</b>	Exercise -8.3 (11, 13-16)
<b>Chapter-09</b> (Exponential and Logarithmic Function)	<b>HM-15</b>	Rational and Irrational Exponents, Laws of Exponents, Explanation of the Root { Proof of Formula (7)}, Rational Fractional Exponents, Conditions, Exercise -9.1 Example (9-12)
	<b>HM-16</b>	Exercise -9.1, Example (13,14,15),Work
	<b>HM-17</b>	Exercise -9.1 (1-6, 8)
	<b>HM-18</b>	Example (16, 17), Exercise -9.1 (7, 9)
	<b>HM-19</b>	Example (18-29), 223 pages of work
	<b>HM-20</b>	Exercise -9.2 (1, 2, 3, 4, 5 of 7,6)
	<b>HM-21</b>	Exercise -9.2 (6, 7, 8 of 7), Example (31, 33), Exercise -9.2 (10, 11, 12)
	<b>HM-22</b>	Logarithm and Absolute Value, Function graph, Exercise -9.2 (8, 9, 13, 14, 15)

## ICT

Chapter	Lecture	Content
<b>Chapter-02</b> (Computer Maintenance and Cyber Security)	<b>ICT-03</b>	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
	<b>ICT-04</b>	Piracy, The Urgency of Copyright Law, Right to Information and Security, General Troubleshooting, Some Common Desktop Computer Problems and Solutions
<b>Chapter-04</b> (My Writings and Accounts)	<b>ICT-05</b>	My Writing on Word Processor
	<b>ICT-06</b>	Spreadsheet and My Accounts Analysis of Spreadsheet

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