

# Class 10 Academic Program 2025

## [New Batch-Online/Combo]

### Class & Exam Routine-02 [English Version]

| Date & Day   | Live Class-01<br>Time-7.00pm  | Live Class-02<br>Time-9.30pm | Live Exam   | Online: 9.00am-11.55pm |
|--|---|------------------------------|---|------------------------|
|  |   |                              |   | Offline: 9.00am-5.00pm |
| 18 May 2025 (Sunday)   | Biology (B-09); Chapter-03  | Chemistry (C-09); Chapter-04 | Daily Live Exam <b>(HM-04) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(M-08) MCQ</b> (10×1=10); 10 min   |                        |
| 19 May 2025 (Monday)   | Math (M-09); Chapter-03   | Physics (P-09); Chapter-03   | Daily Live Exam <b>(B-09) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(C-09) MCQ</b> (10×1=10); 10 min    |                        |
| 20 May 2025 (Tuesday)  | H.Math (HM-05); Chapter-02  | Physics (P-10); Chapter-03   | Daily Live Exam <b>(M-09) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(P-09) MCQ</b> (10×1=10); 10 min    |                        |
| 21 May 2025 (Wednesday)  | Biology (B-10); Chapter-03  | Chemistry (C-10); Chapter-04 | Daily Live Exam <b>(HM-05) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(P-10) MCQ</b> (10×1=10); 10 min   |                        |
| 22 May 2025 (Thursday)   | H.Math (HM-06); Chapter-02  | ICT (ICT-05); Chapter-04     | Daily Live Exam <b>(B-10) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(C-10) MCQ</b> (10×1=10); 10 min    |                        |
| 23 May 2025 (Friday)   | Math (M-10); Chapter-03   | ICT (ICT-06); Chapter-04     | Daily Live Exam <b>(HM-06) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(ICT-05) MCQ</b> (10×1=10); 10 min |                        |
|  | <b>Chapter Wise Exam</b> -Chemistry-Chapter-03 (Structure of Matter) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr                      |                              |   |                        |
| 24 May 2025 (Saturday)   | <b>Chapter Wise Exam</b> -Physics-Chapter-01 (Physical Quantities and Their Measurements) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr |                              |   |                        |
| 25 May 2025 (Sunday)   | Biology (B-11); Chapter-04  | Chemistry (C-11); Chapter-05 | Daily Live Exam <b>(M-10) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(ICT-06) MCQ</b> (10×1=10); 10 min  |                        |
| 26 May 2025 (Monday)   | Math (M-11); Chapter-03   | Physics (P-11); Chapter-03   | Daily Live Exam <b>(B-11) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(C-11) MCQ</b> (10×1=10); 10 min    |                        |
| 27 May 2025 (Tuesday)  | ---   | ---                          | Daily Live Exam <b>(M-11) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(P-11) MCQ</b> (10×1=10); 10 min    |                        |
| 28 May 2025 (Wednesday)  | Biology (B-12); Chapter-04  | Chemistry (C-12); Chapter-05 | ---   |                        |
| 29 May 2025 (Thursday)   | H.Math (HM-11); Chapter-08  | Math (M-12); Chapter-03      | Daily Live Exam <b>(B-12) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(C-12) MCQ</b> (10×1=10); 10 min    |                        |
| 30 May 2025 (Friday)   | H.Math (HM-12); Chapter-08  | ---                          | Daily Live Exam <b>(HM-11) MCQ</b> (10×1=10); 10 min  |                        |
|  | <b>Chapter Wise Exam</b> -Biology-Chapter-01 (Lessons on Life) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr                            |                              |   |                        |
| 31 May 2025 (Saturday)   | <b>Chapter Wise Exam</b> -ICT-Chapter-02(Computer Maintenance and Cyber Security) <b>MCQ</b> (10×1=10); 10min& <b>CQ/ Written</b> 30 marks; 1hr           |                              |   |                        |
| 01 June 2025 (Sunday)  | Biology (B-13); Chapter-04  | Chemistry (C-13); Chapter-05 | Daily Live Exam <b>(HM-12) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(M-12) MCQ</b> (10×1=10); 10 min   |                        |
| 02 June 2025 (Monday)  | Math (M-13); Chapter-03   | Physics (P-12); Chapter-03   | Daily Live Exam <b>(B-13) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(C-13) MCQ</b> (10×1=10); 10 min    |                        |
| <b>(03 June to 14 June, 2025) All Classes and examinations will be closed due to 'Eid-ul-Adha'</b> |   |                              |   |                        |
| 15 June 2025 (Sunday)  | Biology (B-14); Chapter-04  | Chemistry (C-14); Chapter-05 | Daily Live Exam <b>(M-13) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(P-12) MCQ</b> (10×1=10); 10 min    |                        |
| 16 June 2025 (Monday)  | Math (M-14); Chapter-03   | Physics (P-13); Chapter-03   | Daily Live Exam <b>(B-14) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(C-14) MCQ</b> (10×1=10); 10 min    |                        |
| 17 June 2025 (Tuesday)   | H.Math (HM-13); Chapter-08  | Physics (P-14); Chapter-03   | Daily Live Exam <b>(M-14) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(P-13) MCQ</b> (10×1=10); 10 min    |                        |
| 18 June 2025 (Wednesday)   | Biology (B-15); Chapter-11  | Chemistry (C-15); Chapter-06 | Daily Live Exam <b>(HM-13) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(P-14) MCQ</b> (10×1=10); 10 min   |                        |
| 19 June 2025 (Thursday)  | H.Math (HM-14); Chapter-08  | Math (M-15); Chapter-03      | Daily Live Exam <b>(B-15) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(C-15) MCQ</b> (10×1=10); 10 min    |                        |
| 20 June 2025 (Friday)  | <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                           |                              |   |                        |
| 21 June 2025 (Saturday)  | <b>Chapter Wise Exam</b> - ICT-Chapter-04 (My Writings and Accounts) <b>MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr                      |                              |   |                        |
| 22 June 2025 (Sunday)  | Biology (B-16); Chapter-11  | Chemistry (C-16); Chapter-06 | Daily Live Exam <b>(HM-14) MCQ</b> (10×1=10); 10 min  |                        |

|  |  |                              |   |
|--|--|------------------------------|---|
|  |  |                              | Daily Live Exam <b>(M-15) MCQ</b> (10×1=10); 10 min   |
| 23 June 2025 (Monday)                      | Math (M-16); Chapter-03  | Physics (P-15); Chapter-03   | Daily Live Exam <b>(B-16) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(C-16) MCQ</b> (10×1=10); 10 min    |
| 24 June 2025 (Tuesday)                     | H.Math (HM-15); Chapter-09   | Physics (P-16); Chapter-04   | Daily Live Exam <b>(M-16) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(P-15) MCQ</b> (10×1=10); 10 min    |
| 25 June 2025 (Wednesday)                   | Biology (B-17); Chapter-11   | Chemistry (C-17); Chapter-06 | Daily Live Exam <b>(HM-15) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(P-16) MCQ</b> (10×1=10); 10 min   |
| 26 June 2025 (Thursday)                    | H.Math (HM-16); Chapter-09   | ICT (ICT-07); Chapter-08     | Daily Live Exam <b>(B-17) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(C-17) MCQ</b> (10×1=10); 10 min    |
| 27 June 2025 (Friday)                      | <b>Chapter Wise Exam-H.Math-Chapter-02 (Algebraic Expression) MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr |                              |   |
| 28 June 2025 (Saturday)                    | Math (M-17); Chapter-07  | ICT (ICT-08); Chapter-08     | Daily Live Exam <b>(HM-16) MCQ</b> (10×1=10); 10 min<br>Daily Live Exam <b>(ICT-07) MCQ</b> (10×1=10); 10 min |
|  | <b>Chapter Wise Exam-Biology-Chapter-03 (Cell Division) MCQ</b> (10×1=10); 10 min & <b>CQ/ Written</b> 30 marks; 1hr       |                              |   |
| 3 <sup>rd</sup> Part Routine Upcoming..... |  |                              |   |

**"Note:** The routine may be modified or changed due to special needs"

### 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 **9 am to 11.55 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                      | Chapter     | Chapter  |
|------------------------------|-------------|--|
| <b>Chapter-03</b><br>(Force) | <b>P-09</b> | Inertia and Concept of Force: Newton's First Law, Inertia, Force   |
|                              | <b>P-10</b> | Nature of Fundamental Force, Gravitational Force, Electromagnetic Force, Weak Nuclear Force or Weak Force, Strong Nuclear Force, Balanced and Unbalanced Forces, Momentum  |
|                              | <b>P-11</b> | Collision, Conservation of Momentum and Energy, Safe Journey: Velocity and Motion  |
|                              | <b>P-12</b> | Effect of Force on Motion: Newton's Second Law   |
|                              | <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 |

## Chemistry

| Chapter  | Chapter     | Chapter  |
|--|-------------|--|
| <b>Chapter-04</b><br>(Periodic Table)                        | <b>C-09</b> | The Special Names of Elements Present in Various Groups (Alkali Metals, Alkaline Earth Metals, Coin Metals, Halogen Group, Inert Gas, Transition Elements) |
|  | <b>C-10</b> | Advantages of the Periodic Table, Element in the Same Group in the Periodic Table Show similar Chemical Properties, Lime Water Test                        |
| <b>Chapter-05</b><br>(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><br>(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   |

## Biology

| Chapter   | Chapter     | Chapter  |
|---|-------------|--|
| <b>Chapter-03</b><br>(Cell Division)                    | <b>B-09</b> | Cell Division and its Classifications, Mitosis, Stages of Mitosis  |
|   | <b>B-10</b> | Significance of mitosis, Meiosis, Significance of Meiosis  |
| <b>Chapter-04</b><br>(Bioenergetics)                    | <b>B-11</b> | Bioenergetics, The role and Structure of ATP, Photosynthesis, The Process of Photosynthesis (Light dependent phase, Light independent phase or dark phase)   |
|   | <b>B-12</b> | Calvin cycle, Hatch and Slack cycle or $C_4$ cycle, Role of Chlorophyll in Photosynthesis, Role of Light in Photosynthesis, Factors affecting photosynthesis, Importance of photosynthesis in living world |
|   | <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><br>(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, Megasporogenesis  |

## Mathematics

| Chapter                                      | Chapter     | Chapter   |
|--|-------------|---|
| <b>Chapter-03</b><br>(Algebraic Expressions) | <b>M-09</b> | Factorization, Some techniques for determining the Factor, Work, Exercise- 3.3 (1-15)   |
|  | <b>M-10</b> | Exercise- 3.3 (16-25)   |
|  | <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><br>(Practical Geometry)    | <b>M-17</b> | Construction (1, 2, 3) Exercise -7.1 (1, 2)   |

### Higher mathematics

| Chapter   | Chapter      | Chapter  |
|---|--------------|--|
| <b>Chapter-02</b><br>(Algebraic Expression)                 | <b>HM-05</b> | Exercise-2 (12,13), Partial Fractions, Example (23-29), Work   |
|   | <b>HM-06</b> | Exercises-2 (11,14)  |
| <b>Chapter-08</b><br>(Trigonometry-Partial)                 | <b>HM-11</b> | Sign of trigonometric ratios in different quadrants , Trigonometric Ratios<br>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><br>(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   |

### ICT

| Chapter   | Chapter       | Chapter  |
|---|---------------|--|
| <b>Chapter-04</b><br>(My Writings and Accounts) | <b>ICT-05</b> | My Writing on Word Processor   |
|   | <b>ICT-06</b> | Spreadsheet and My Accounts Analysis of Spreadsheet  |
| <b>Chapter-05</b><br>(Multimedia and Graphics)  | <b>ICT-07</b> | Concept of Multimedia, Media of Multimedia, Presentation Software, Opening Power Point Programme and Creating Slides, Saving Presentation, Adding New Slide, Display Slides in Presentation, Adding or Changing Background to the Slides, Insert Picture in Slide, Inserting Transition into Slide, Applying Transition Separately in Text, Applying Sound to Transition, Add Video to the Slide |
|   | <b>ICT-08</b> | Graphics (Importance of Graphics, To open Photoshop program, To prepare new file in photoshop program), The Toolbox of Photoshop and Palette Distinction, Selection of Tools and Acquaintance of Move Tools  |

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