

Class 10 Academic Program 2025

[Online]

Class & Exam Routine-03

Date & Day	Live Class English Version - 3.30pm	Live Exam	Online: 8.00am-11.00pm
			Offline: 9.00am-5.00pm
06 April 2025 (Sunday)	Live Class H.Math (HM-23+24); Chapter-10	Daily Live Exam (C-21+22) MCQ (10×1=10); 10 min	
07 April 2025 (Monday)	Live Class Chemistry (C-23+24); Chapter-07	Daily Live Exam (HM-23+24) MCQ (10×1=10); 10 min	
08 April 2025 (Tuesday)	Live Class Math (M-31+32); Chapter-09	Daily Live Exam (C-23+24) MCQ (10×1=10); 10 min	
09 April 2025 (Wednesday)	Live Class Physics (P-01+02); Chapter-01	Daily Live Exam (M-31+32) MCQ (10×1=10); 10 min	
10 April 2025 (Thursday)	Live Class Biology (B-23+24); Chapter-12	Daily Live Exam (P-01+02) MCQ (10×1=10); 10 min	
11 April 2025 (Friday)	Chapter Wise Exam- Physics-Chapter-04 (Work, Power and Energy) MCQ (10×1=10); 10 min & CQ/ Written 30 marks; 1hr		
12 April 2025 (Saturday)	Chapter Wise Exam-Math-Chapter-07 (Practical Geometry)-MCQ (10×1=10); 10 min & CQ/ written 30 marks; 1hr		
13 April 2025 (Sunday)	Live Class H.Math (HM-25+26); Chapter-10	Daily Live Exam (B-23+24) MCQ (10×1=10); 10 min	
14 April 2025 (Monday)	Live Class Chemistry (C-25+26); Chapter-07	Daily Live Exam (HM-25+26) MCQ (10×1=10); 10 min	
15 April 2025 (Tuesday)	Live Class Math (M-33+34); Chapter-09	Daily Live Exam (C-25+26) MCQ (10×1=10); 10 min	
16 April 2025 (Wednesday)	Live Class Physics (P-23+24); Chapter-07	Daily Live Exam (M-33+34) MCQ (10×1=10); 10 min	
17 April 2025 (Thursday)	Live Class Biology (B-01+02); Chapter-01	Daily Live Exam (P-23+24) MCQ (10×1=10); 10 min	
18 April 2025 (Friday)	Chapter Wise Exam-H.Math-Chapter-09 (Exponential and Logarithmic Function) MCQ (10×1=10); 10 min & CQ/ Written 30 marks; 1hr		
19 April 2025 (Saturday)	Live Class ICT (ICT-07+08); Chapter-05	Daily Live Exam (ICT-05+06) MCQ (10×1=10); 10 min	
	Chapter Wise Exam- Physics-Chapter-01 (Physical Quantities and Their Measurements) MCQ (10×1=10); 10 min & CQ/ Written 30 marks; 1hr		
20 April 2025 (Sunday)	Live Class H.Math (HM-27+28); Chapter-11	Daily Live Exam (B-01+02) MCQ (10×1=10); 10 min	
21 April 2025 (Monday)	Live Class Chemistry (C-27+28); Chapter -11	Daily Live Exam (HM-27+28) MCQ (10×1=10); 10 min	
22 April 2025 (Tuesday)	Live Class Math (M-35+36); Chapter -09	Daily Live Exam (C-27+28) MCQ (10×1=10); 10 min	
23 April 2025 (Wednesday)	Live Class Physics (P-25+26); Chapter -07	Daily Live Exam (M-35+36) MCQ (10×1=10); 10 min	
24 April 2025 (Thursday)	Live Class Biology (B-25+26); Chapter -13	Daily Live Exam (P-25+26) MCQ (10×1=10); 10 min	
25 April 2025 (Friday)	Chapter Wise Exam-ICT-Chapter-04 (My Writings and Accounts) MCQ (15×1=15); 15 min & Written 10 marks 15 min		
26 April 2025 (Saturday)	Live Class ICT (ICT-09+10); Chapter-05	Daily Live Exam (ICT-07+08) MCQ (10×1=10); 10 min	
	Chapter Wise Exam-Biology-Chapter-12 (Heredity in Organisms and Biological Evolution) MCQ (10×1=10); 10 min & CQ/ Written 30 marks; 1hr		
27 April 2025 (Sunday)	Live Class H.Math (HM-29+30); Chapter-11	Daily Live Exam (B-25+26) MCQ (10×1=10); 10 min	
28 April 2025 (Monday)	Live Class Chemistry (C-29+30); Chapter-11	Daily Live Exam (HM-29+30) MCQ (10×1=10); 10 min	
29 April 2025 (Tuesday)	Live Class Math (M-21+22); Chapter-08	Daily Live Exam (C-29+30) MCQ (10×1=10); 10 min	
30 April 2025 (Wednesday)	Live Class Physics (P-27+28); Chapter-08	Daily Live Exam (M-21+22) MCQ (10×1=10); 10 min	
01 May 2025 (Thursday)	Live Class Biology (B-27+28); Chapter-13	Daily Live Exam (P-27+28) MCQ (10×1=10); 10 min	
02 May 2025 (Friday)	Chapter Wise Exam-H.Math-Chapter-10 (Binomial Expansion) MCQ (10×1=10); 10 min & CQ/ Written 30 marks; 1hr		
03 May 2025 (Saturday)	Live Class ICT (ICT-11+12); Chapter-05	Daily Live Exam (ICT-09+10) MCQ (10×1=10); 10 min	
	Chapter Wise Exam- Chemistry-Chapter-07 (Chemical Reactions) MCQ (10×1=10); 10 min & CQ/ Written 30 marks; 1hr		
04 May 2025 (Sunday)	Live Class H.Math (HM-31+32); Chapter-11	Daily Live Exam (B-27+28) MCQ (10×1=10); 10 min	
05 May 2025 (Monday)	Live Class Chemistry (C-31+32); Chapter-11	Daily Live Exam (HM-31+32) MCQ (10×1=10); 10 min	
06 May 2025 (Tuesday)	Live Class Math (M-23+24); Chapter-08	Daily Live Exam (C-31+32) MCQ (10×1=10); 10 min	
07 May 2025 (Wednesday)	Live Class Physics (P-29+30); Chapter-08	Daily Live Exam (M-23+24) MCQ (10×1=10); 10 min	
08 May 2025 (Thursday)	Live Class Math (M-25+26); Chapter-08	Daily Live Exam (P-29+30) MCQ (10×1=10); 10 min	
09 May 2025 (Friday)	Chapter Wise Exam- Biology-Chapter-01 (Lessons on Life) MCQ (10×1=10); 10 min & CQ/ Written 30 marks; 1hr		
10 May 2025 (Saturday)	----	Daily Live Exam (ICT-11+12) MCQ (10×1=10); 10 min	
	Chapter Wise Exam- Physics-Chapter-07 (Waves and Sound) MCQ (10×1=10); 10 min & CQ/ Written 30 marks; 1hr		

4th Part Routine Upcoming.....

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 **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) to get all information in time.

Class 10 Academic Program 2025 [Online] Syllabus

Physics

Chapter	Lecture	Content
Chapter-01 (Physical Quantities and Their Measurements)	P-01	Physics, Scope of Physics, Development of Physics, Initial Stage, Rising Stage of Science, Introduction to Modern Physics, Contemporary Physics, Contributions of Jagadish Chandra Bose, Objectives of Physics, Unfold the Mystery of Nature, To Know the Laws of Nature, Development of Technology Using the Laws of Nature, Physical Quantities and Their Measurements, Units of Measurements, Prefix, Dimension, Scientific Symbols and Notations
	P-02	Measuring Instruments, Scale or Ruler, Balance, Stop Watch, Vernier Calipers, Screw Gauge, Error and Accuracy
Chapter-07 (Waves and Sound)	P-23	Simple Harmonic Motion
	P-24	Waves, Characteristics of Waves, Types of Waves, Wave related quantities
	P-25	Sound Wave, Characteristics of sound wave, Echo, Variation of Velocity of Sound, Uses of Sound (Three dimensional Seismic Surveys, Ultrasound cleaner)
	P-26	Musical Sound, Sound Pollution
Chapter-08 (Reflection of Light)	P-27	Nature of Light, Reflection, Laws of Reflection, Reflection from smooth and rough planes
	P-28	Mirror, Image, Spherical Mirror,
	P-29	Convex Mirror, Image in a Spherical Convex Mirror, Concave Mirror, Image on concave mirror (At a distance less than focal length, At a distance greater than focal Length)
	P-30	Magnification, Use of Mirrors, Plane Mirror, Convex Mirror, Concave Mirror, Safe Driving Invisible Curves of Hilly Roads

Chemistry

Chapter	Lecture	Content
Chapter-07 (Chemical Reactions)	C-23	Reactions that occur through electron transfer (Addition, Decomposition, Substitution or Displacement and Combustion Reaction)
	C-24	Non Redox Reaction (Precipitation and Neutralization Reaction), Special Types of Chemical Reactions (Hydrolysis and Hydration Reaction)
	C-25	Special Types of Chemical Reactions, Isomerization and Polymerization, Example of a Few Real Life Chemical Reactions, Ways of Prevention of Some Harmful Reactions, Rate of Reaction
	C-26	Le Chatelier's Principle, Explanation of Le Chatelier's Principle and Effect
Chapter-11 (Mineral Resources : Fossils-Partial)	C-27	Hydrocarbon, Aliphatic Hydrocarbon, Aromatic Hydrocarbons
	C-28	Saturated Hydrocarbons (Alkane), Preparation of Alkane & Characteristic Reactions
	C-29	Unsaturated Hydrocarbons: Alkene & Alkyne, Naming of Alkane and Alkyne
	C-30	Preparation of alkene & alkyne and Characteristic reactions
	C-31	Alcohol, Aldehyde, preparation of Fatty acid, Chemical Properties of fatty acid
	C-32	Alcohol, aldehyde, Characteristic reactions of fatty acid

Biology

Chapter	Lecture	Content
Chapter-12 (Heredity in Organisms and Biological Evolution)	B-23	Theories of biological evolution, Origin of life, Theory of Darwin or Darwinism (General Facts about natural events)
	B-24	Non-Darwinian Evolution, Evidence of biological evolution, Application of the principles of biological evolution
Chapter-01 (Lessons on Life)	B-01	Concept of Biology, Branches of Biology (Physical Biology, Applied Biology), Classification of living beings, Aim of Classification, Living World (Margulis+ R.H.Whittaker's Classification- Monera, Protista)
	B-02	Living World (Margulis + R.H.Whittaker Classification - Fungi, Plantae, Animalia), Different steps of Classification, System of Binomial Nomenclature, Scientific Name
Chapter-13 (Environment of life)	B-25	Ecosystem, Components of an ecosystem, Ecosystem of a pond
	B-26	Food chain (Predator Food chain, Parasitic Food chain, Saprophytic food chain), Food web, Nutrient flow in ecosystems and Energy flow in the ecosystem
	B-27	Relation of energy between trophic levels, Concept of energy pyramid, Effects of energy pyramid to keep food chain in limit, Biodiversity, Types of biodiversity, Effect of biodiversity on the maintenance of stability in an ecosystem
	B-28	Interaction and interdependence among different organisms and the balance of environment, Positive interactions, Negative interactions, Significance and method of conserving environment

Mathematics

Chapter	Lecture	Content
Chapter-09 (Trigonometric Ratio)	M-31	Naming of sides of a right-angled triangle, Constancy of ratios of the sides of similar right-angled triangles, Trigonometric ratios of an acute angle, Relation among the trigonometric ratios, Trigonometric identity
	M-32	Example (1-12), Work, Exercise - 9.1 (1-7, 19, 20)
	M-33	Exercise - 9.1 (8-16)
	M-34	Exercise - 9.1 (17, 18, 21-25)
	M-35	Proof of Trigonometric ratio for the angles $0^\circ, 30^\circ, 60^\circ, 45^\circ, 90^\circ$, Example (13), Exercise-9.2 (1-17, 22, 27)
	M-36	Example (14), Exercise -9.2 (18-21, 23-26, 28-32)
Chapter-08 (Circle)	M-21	Circle, Interior and exterior of a circle, Chord and diameter of a circle of (17, 18, 19) theorem, Exercise -8.1 (1-2)
	M-22	Exercise - 8.1 (3-8)
	M-23	Exercise - 8.1 (9-12), Arc, Inscribed angle, Central angle, theorem - 20, 21, 22
	M-24	Exercise - 8.2
	M-25	Inscribed Quadrilaterals related theorem (23, 24), Exercise -8.3 (1, 2)
	M-26	Exercise - 8.3 (3-7)

Higher mathematics

Chapter	Lecture	Content
Chapter-10 (Binomial Expansion)	HM-23	Binomial Expansion of $(1 + y)^n$, Use of Pascal's Triangle, Example (1, 2, 3), Exercise - 10.1 (1, 2, 4, 5, 6)
	HM-24	Relation between $n!$ and ${}^n C_r$, Example (4), Exercise -10.1 (3), Binomial expansion of $(x + y)^n$
	HM-25	Finding the value of $n!$ and ${}^n C_r$, Finding the $(r+1)^{th}$ term, Exercise -10.2 (10-14), HW: Example (10)
	HM-26	Exercise -10.2 (15-19)
Chapter-11 (Coordinate Geometry)	HM-27	Rectangular Cartesian Coordinates, Distance between two points, Example, Exercise - 11.1
	HM-28	Area of triangles, The Formula for Determining the Area of Triangular Region, Example (7-11), Exercise - 11.2 (1-7)
	HM-29	Determination of the Area Using the Coordinates of the Vertices, Exercise - 11.2 (8, 9)
	HM-30	Exercise - 11.2 (10), Example (12, 13)
	HM-31	Gradient or Slope (+ve and -ve slope details), Exercise -11.3 Full
	HM-32	Equation of Straight Lines, Graph (Graph various equations, especially with +ve and -ve and slope), Exercise -11.4 (10-16)

ICT

Chapter	Lecture	Content
Chapter-05 (Multimedia and Graphics)	ICT-07	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
	ICT-08	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
	ICT-09	Selection of Tools and Move Tools (Re-discussion), Shifting of Selection, Fill Colour in the Floating Selection, The use of Feather, Select with Lasso Tool and Polygonal Lasso Tool, Stroke, Saving File, Layer, Insert New Layer, Thumbnail Icon, Clustering, Integrating and Segregating Palette, Making Layer Object, Preparing Text Layer, Transferring Picture from One file to Another, Fixing Target Layer, Changing the Opacity of the Layer, Removing Layer, Combining or Merging Layers
	ICT-10	Cut, Copy, Paste and Paste into The Use of Crop Tool, Cropping up Tilted Picture, Use of Eraser Tool, Creating Blend with Gradient Tool, To create linear blend with gradient tool, Editing Gradient, Adding and Removing New Color and Color Stops, Adjusting Brightness and Contrast of Picture
	ICT-11	Illustrator, Open Illustrator Programme, To Open File in Illustrator, Work Tools, Title Bar, Name of the Necessary Tools of the Toolbox, Filling Color on Object, Color, Gradient and None [Color, (,) Gradient (,) None (/)], Increasing and Reducing the Size of Object, Changing the Positioning of Page By Hand Tool, Mode of Viewing Object, Creating Object, Selecting Object and Erasing Borderline or Path, Path, Selection Tool, Direct Selection Tool, Grouping Object, Lock the Objects, Use of Cut, Copy, Paste Command
	ICT-12	Layer, Creating New Layer, Cancelling Layer, Merging Layers, Use of Color in Object, Color Palette, Fill Color, The Use of Stroke, Pen and Pencil Tool, Closed Path and Opened Path, Pencil Tool and Pen Tool, Editing Path, Adding Anchor Point, Removing Anchor Point, Editing Curve Path, Writing Job, Point Text, Editing Writing, Selecting Letters, Changing Color of Letters, Deleting Letters, Enlarging or Reducing Font Size, Increasing or Decreasing Font Size Vertically and Horizontally, Baseline Shift, The Leading, Area Text, Typing in the Path, Typing outside Circular Object, Arranging Writing in Open Path, Creating Outline of Letters, Placement of Image in Illustrator

Scan the **QR Code** for more Information

OR

Udvash Helpline: 09666775566



Udvash Branches