

# HSC 1st Year Academic Program Prime Batch

## [Online/Combo]

### Class and Exam Routine Final

Date & Day	Live Class: 1	Live Class: 2	Live Exam	Online: From 8:00am to 11:55pm
	1:30PM	3:30PM		Offline: From 9:00am to 5:00pm
18 February 2026 (Wednesday)	<b>HM-87</b> H.Math: Chapter-10	<b>P-53</b> Physics: Chapter-8	Daily Live Exam <b>P-57</b> MCQ (10×1=10); 10 min. Daily Live Exam <b>Z-21</b> MCQ (10×1=10); 10 min.	
19 February 2026 (Thursday)	<b>P-54</b> Physics: Chapter-8	<b>Z-22</b> Zoology: Chapter-4		
<b>20 February 2026 (Friday)</b> Chapter Wise Exam-32	<b>Botany Chapter-04 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>Online classes and exams will be closed on February 21, 2026 (Saturday) on the occasion of International Mother Language Day.</b>				
22 February 2026 (Sunday)	<b>P-58</b> Physics: Chapter-9	<b>B-29</b> Botany: Chapter-6	Daily Live Exam <b>P-54</b> MCQ (10×1=10); 10 min. Daily Live Exam <b>Z-22</b> MCQ (10×1=10); 10 min.	
23 February 2026 (Monday)	<b>HM-88</b> H.Math: Chapter-10	<b>Z-23</b> Zoology: Chapter-4		
24 February 2026 (Tuesday)	<b>Z-24</b> Zoology: Chapter-4	<b>B-30</b> Botany: Chapter-6	Daily Live Exam <b>HM-88</b> MCQ (10×1=10); 10 min. Daily Live Exam <b>Z-23</b> MCQ (10×1=10); 10 min.	
25 February 2026 (Wednesday)	<b>P-59</b> Physics: Chapter-9	<b>Z-25</b> Zoology: Chapter-4		
26 February 2026 (Thursday)	<b>P-60</b> Physics: Chapter-9	<b>Z-26</b> Zoology: Chapter-4	Daily Live Exam <b>P-59</b> MCQ (10×1=10); 10 min. Daily Live Exam <b>Z-25</b> MCQ (10×1=10); 10 min.	
<b>27 February 2026 (Friday)</b> Chapter Wise Exam-33	<b>Physics Problem Solving Class-05</b>			
	<b>Physics 1st Paper Chapter-07 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>28 February 2026 (Saturday)</b> Chapter Wise Exam-34	<b>Biology Problem Solving Class-05</b>			
	<b>H.Math 1st Paper Chapter-05 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
01 March 2026 (Sunday)	<b>Z-27</b> Zoology: Chapter-5	<b>HM-09</b> H.Math: Chapter-02	Daily Live Exam <b>P-60</b> MCQ (10×1=10); 10 min. Daily Live Exam <b>Z-26</b> MCQ (10×1=10); 10 min.	
02 March 2026 (Monday)	<b>Z-28</b> Zoology: Chapter-5	<b>HM-10</b> H.Math: Chapter-02		
03 March 2026 (Tuesday)	<b>Z-29</b> Zoology: Chapter-5	<b>B-31</b> Botany: Chapter-7	Daily Live Exam <b>Z-28</b> MCQ (10×1=10); 10 min. Daily Live Exam <b>HM-10</b> MCQ (10×1=10); 10 min.	
04 March 2026 (Wednesday)	<b>HM-11</b> H.Math: Chapter-02	<b>B-32</b> Botany: Chapter-7		
05 March 2026 (Thursday)	<b>B-33</b> Botany: Chapter-7	<b>Z-30</b> Zoology: Chapter-6	Daily Live Exam <b>HM-11</b> MCQ (10×1=10); 10 min. Daily Live Exam <b>B-32</b> MCQ (10×1=10); 10 min.	
<b>06 March 2026 (Friday)</b> Chapter Wise Exam-35	<b>Physics 1st Paper Chapter-08 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>07 March 2026 (Saturday)</b> Chapter Wise Exam-36	<b>H.Math 1st Paper Chapter-10 [Part-02 Lecture HM-83 to 88]; (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
08 March 2026 (Sunday)	<b>B-34</b> Botany: Chapter-7	<b>HM-12</b> H.Math: Chapter-02	Daily Live Exam <b>B-33</b> MCQ (10×1=10); 10 min. Daily Live Exam <b>Z-30</b> MCQ (10×1=10); 10 min.	
09 March 2026 (Monday)	-----	<b>Z-31</b> Zoology: Chapter-6		
10 March 2026 (Tuesday)	-----	<b>Z-32</b> Zoology: Chapter-6	Daily Live Exam <b>Z-31</b> MCQ (10×1=10); 10 min. Daily Live Exam <b>Z-32</b> MCQ (10×1=10); 10 min.	
11 March 2026 (Wednesday)	Biology Problem Solving Class-06	H.Math Problem Solving Class-06		
<b>12 March 2026 (Thursday)</b> Chapter Wise Exam-37	<b>Guideline Seminar-05</b>			
	<b>H.Math 1st Paper Chapter-06 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>March 13, 2026 (Friday)</b> Chapter Wise Exam-38	<b>Botany Chapter-06 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>14 March 2026 (Saturday)</b> Chapter Wise Exam-39	<b>Physics 1st Paper Chapter-09 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>15 March 2026 (Sunday)</b> Chapter Wise Exam-40	<b>Zoology Chapter-04 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>Online classes and exams will be closed from March 16 to March 26 on the occasion of Shab-e-Qadr, Eid-ul-Fitr and Independence Day.</b>				
<b>27 March 2026 (Friday)</b> Chapter Wise Exam-41	<b>Zoology Chapter-05 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>28 March 2026 (Saturday)</b> Chapter Wise Exam-42	<b>Botany Chapter-07 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>29 March 2026 (Sunday)</b> Chapter Wise Exam-43	<b>H.Math 1st Paper Chapter-02 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>30 March 2026 (Monday)</b> Chapter Wise Exam-44	<b>Zoology Chapter-06 (CQ 2×10=20); Time: 50min &amp; (Pre-Admission MCQ 10×1=10); Time: 10min.</b>			
<b>The next paper final routine will be published in...</b>				
<b>***Routine may be changed or modified for special needs***</b>				

**HSC 1st Year Academic Program Prime Batch (Class & Exam Syllabus-05)**

Physics 1 <sup>st</sup> Paper Reference Book: <b>मातालाल TEXT</b>		
Chapter	Lecture	Lecture-based discussion topics
<b>Chapter-8</b> Periodic Motion	P-53	Applications of simple harmonic motion, oscillation in the vertical plane, combined oscillations in springs, motion of a simple pendulum, derivation of the time period formula for a simple pendulum.
	P-54	Applications and mathematical problems related to the simple pendulum.
<b>Chapter-9</b> Wave	P-58	Beats or sound modulation.
	P-59	Free and forced vibrations, resonance, wave intensity, standard intensity and intensity level, harmonics and sound spectrum, audible sound, musical notes and tones.
	P-60	Vibration in a stretched string, vibration in air columns, and mathematical problems.

H.Math 1 <sup>st</sup> Paper Reference Book: <b>मातालाल TEXT</b>		
Chapter	Lecture	Lecture-based discussion topics
<b>अध्याय-२</b> ভেক্টর	HM-09	Exercise - 2; Quantities, vectors, types of quantities or different types of vectors, vector addition, vector subtraction, internal and external division of a segment between two points, geometric proof problems using the concept of vector addition and subtraction.
	HM-10	Exercise - 2; Vector division (components of a vector), projection and component, expressing of a vector in a two-dimensional Cartesian coordinate system, expressing a vector in a three-dimensional Cartesian coordinate system, Problems related to addition and subtraction of vectors and determination of magnitude, determination of unit vectors in the direction, opposite direction or parallel to a vector, vector multiplication, multiplication of a vector quantity by a scalar quantity, dot multiplication of vectors (scalar multiplication).
	HM-11	Problems related to dot product of vectors and perpendicularity of two vectors, problems related to a vector lying in the same plane of another two vectors, problems related to determining the angle between two vectors, perpendicular projection of vectors and determination of components, vector/cross multiplication of vectors, cross product of vectors and problems related to two vectors being parallel.
	HM-12	Exercise - 2; Unit vector perpendicular to a plane formed by two vectors, some information about area, using vectors, problems related to finding the area of a polygon, volume of a cube and the condition for three vectors to be co-planar, vectors and Cartesian equations of a straight line in three-dimensional coordinate system, vectors and Cartesian equations of a straight line through two given points.
<b>Chapter-10</b> Integration	HM-87	Exercise-10.7; Area determination by integration, Area of the region bounded by the line $y=f(x)$ and the x-axis within a certain limit, Area of the region bounded by the line $x=f(y)$ and the y-axis within a certain limit, Area of the region bounded by two curves and two straight lines parallel to the y-axis (area determination with respect to the x-axis), Area of the region bounded by two curves and two straight lines parallel to the x-axis (area determination with respect to the y-axis), Difference between integration and area.
	HM-88	Exercise - 10.7; Symmetry, Area determination related problems.

Botany Reference Book: <b>मातालाल TEXT</b>		
Chapter	Lecture	Lecture-based discussion topics
<b>Chapter-6</b> Bryophyta and Pteridophyta	B-29	Bryophyta: Introduction to Bryophyta, Characteristics of Bryophyta, <i>Riccia</i> . Characteristics of <i>Riccia</i> , External Structure of <i>Riccia</i> , Internal structure of <i>Riccia</i> , Reproduction and alternation of generation of <i>Riccia</i>
	B-30	Pteridophyta: Characteristics of Pteridophyta, <i>Pteris</i> . Physical structure of <i>Pteris</i> , Internal Structure, Reproduction of <i>Pteris</i> , Alternation of generation in <i>Pteris</i> , Economic importance of <i>Pteris</i> .
<b>Chapter-7</b> Gymnosperms and Angiosperms	B-31	Gymnosperms (Introduction, characteristics), <i>Cycas</i> (Characteristics, Structure, Reproduction)
	B-32	Angiosperms (Introduction, characteristics), Differences between Gymnosperm and angiosperm, Introduction to angiosperm families, Characteristics, Root, Stem, Leaf
	B-33	Inflorescence, Aestivation, Placentation, Fruits, Floral Formula, Floral Diagram
	B-34	Poaceae Family, Malvaceae Family, Differences between Poaceae and Malvaceae Family, Differences between Monocot plant and dicot plant

Zoology Reference Book: <b>मातालाल TEXT</b>		
Chapter	Lecture	Lecture-based discussion topics
<b>Chapter-4</b> Human Physiology: Blood and Circulation	Z-22	Heart (Location, Shape and size, Covering, Wall), Structure of cardiac muscle, Chambers of the heart, Valves of the heart, Circulation of blood through the heart
	Z-23	Heartbeat-Cardiac Cycle, Myogenic control of heartbeat and transmission of impulse
	Z-24	Blood Pressure and baroreceptor, Blood Circulation in humans (Systemic, Pulmonary, Coronary, Portal)
	Z-25	Cardiac Diseases, Chest Pain or Angina, Heart Attack, Heart Failure
	Z-26	Basic idea about treatment of cardiac disease, artificial pacemaker, Open heart surgery, Coronary Bypass surgery
<b>Chapter-5</b> Human Physiology: Respiration and Breathing	Z-27	Respiration, Phases of respiration (Internal respiration and external respiration), Differences between internal and external respiration, Parts of the respiratory system
	Z-28	Lungs, Functions of the respiratory system, Breathing: inspiration and expiration, Gaseous exchange
	Z-29	Control of inspiration and expiration, Diseases of respiratory system, Artificial respiration
<b>Chapter 6</b> Human Physiology: Waste and Excretion	Z-30	Various types of waste products in humans, excretory system of humans, Structure and function of kidney
	Z-31	Ultrastructure of kidney-Nephron, Functions of nephron, physiology of excretion (production of nitrogenous waste and formation of urine), Urine
	Z-32	Role of kidney in excretion and osmoregulation, kidney failure, dialysis, kidney transplant, hormonal action