HSC 2nd Year Academic Program Pioneer Batch [Online]

Class & Exam Routine-01 (English Version)

200 (200	Live Class: 1	Live Class: 2	Live Exam
Date & Day	9:15am	1:30pm	Online: From 8:00am to 11:55pm
05 March 2025 (Wednesday)	C-01 Chemistry: Chapter-1	HM-07 H.Math: Chapter-3	Basic Introductory Exam MCQ (10×1=10); 10 min.
OC Manach 2025 (Thursday)	B O1 Physics Charles 1	7 01 7 - 1 - 1 · · · · Charles 7	Daily Live Exam [C-01] MCQ (10×1=10); 10 min.
06 March 2025 (Thursday)	P-01 Physics: Chapter-1	z-01 Zoology: Chapter-7	Daily Live Exam [HM-07] MCQ (10×1=10); 10 min.
00 March 2025 (Cabuaday)	7 02 7 - 1 - 1 · · · · Charles 7	Daily Live Exam [P-01] MC	Daily Live Exam [P-01] MCQ (10×1=10); 10 min.
08 March 2025 (Saturday)	Z-02 Zoology: Chapter-7	HM-01 H.Math: Chapter-1	Daily Live Exam [Z-01] MCQ (10×1=10); 10 min.
10 March 2025 (Marchael)	2 03 Physics Chapter 1	C 02 Chamistan Chastan 1	Daily Live Exam [Z-02] MCQ (10×1=10); 10 min.
10 March 2025 (Monday)	P-02 Physics: Chapter-1	C-02 Chemistry: Chapter-1	Daily Live Exam [HM-01] MCQ (10×1=10); 10 min.
12 March 2025 (Wednesday)	C-03 Chemistry: Chapter-1	HM-08 H.Math: Chapter-3	Daily Live Exam [P-02] MCQ (10×1=10); 10 min.
12 Mai Cii 2023 (Wediiesday)	C-03 Chemistry, Chapter-1	Hid-06 H.Math. Chapter-3	Daily Live Exam [C-02] MCQ (10×1=10); 10 min.
13 March 2025 (Thursday)	P-03 Physics: Chapter-1	Z-03 Zoology: Chapter-7	Daily Live Exam [C-03] MCQ (10×1=10); 10 min.
13 March 2023 (Thursday)	P-03 Filysics. Chapter-1	2-03 200logy. Chapter-7	Daily Live Exam [HM-08] MCQ (10×1=10); 10 min.
15 March 2025 (Saturday)	P-04 Physics: Chapter-1	HM-02 H.Math: Chapter-1	Daily Live Exam [P-03] MCQ (10×1=10); 10 min.
13 March 2023 (Saturday)	P-04 Filysics. Chapter-1	Tim-02 Timetti. Chapter-1	Daily Live Exam [Z-03] MCQ (10×1=10); 10 min.
17 March 2025 (Monday)	Z-04 Zoology: Chapter-7	C-04 Chemistry: Chapter-1	Daily Live Exam [P-04] MCQ (10×1=10); 10 min.
17 March 2023 (Monday)	2-04 20010gy. Chapter -7	C-04 Chemistry. Chapter-1	Daily Live Exam [HM-02] MCQ (10×1=10); 10 min.
19 March 2025 (Wednesday)	C-05 Chemistry: Chapter-1	HM-09 H.Math: Chapter-3	Daily Live Exam [Z-04] MCQ (10×1=10); 10 min.
13 March 2023 (Wednesday)	C 03 chemistry. Chapter 1	THE OST LANGETT. CHOPLET S	Daily Live Exam [C-04] MCQ (10×1=10); 10 min.
20 March 2025 (Thursday)	P-05 Physics: Chapter-1	z-05 Zoology: Chapter-7	Daily Live Exam [C-05] MCQ (10×1=10); 10 min.
2011010112023 (111013003)	T 35 T Trysics. Chapter 1	2 00 20010gy. Chapter 7	Daily Live Exam [HM-09] MCQ (10×1=10); 10 min.
21 March 2025 (Friday)	Chapter-wise Exam [Chemistry	2nd Paper Chapter-01] (Part-01); I	ecture C-01 to 05; (CQ 2×10=20); Time: 50min &
21 1-181 (11 2023 (11 1089)	(Pre-Admission MCQ 10×1=10); T	ime: 10min.	
22 March 2025 (Saturday)	P-06 Physics: Chapter-1	HM-03 H.Math: Chapter-1	Daily Live Exam [P-05] MCQ (10×1=10); 10 min.
22 March 2023 (Saturday)	F-00 Filysics. Chapter-1	Tim-03 Till Hatti. Chapter-1	Daily Live Exam [Z-05] MCQ (10×1=10); 10 min.
24 March 2025 (Monday)	Z-06 Zoology: Chapter-7	C-06 Chemistry: Chapter-1	Daily Live Exam [P-06] MCQ (10×1=10); 10 min.
2 11 161 611 2023 (1 1611669)	2 de Zoology, emapter 7	C-06 Chemistry: Chapter-1	Daily Live Exam [HM-03] MCQ (10×1=10); 10 min.
Online classes and			dependence Day, Shab-e-Qadr and Eid-ul-Fitr.
Date & Day	Live Class: 1	Live Class: 2	Live Exam
	2:30pm	6:30pm	Online: From 8:00am to 11:55pm
05 April 2025 (Saturday)	B-01 Botany: Chapter-7	HM-04 H.Math: Chapter-1	Daily Live Exam [Z-06] MCQ (10×1=10); 10 min.
,			Daily Live Exam [C-06] MCQ (10×1=10); 10 min.
06 April 2025 (Sunday)	Chapter-wise Exam [Zoology Ch	napter-07] (CQ 2×10=20); Time: 50	min & (Pre-Admission MCQ 10×1=10); Time: 10min.
Online c	lasses and exams will be closed o	n 07 April 2025 (Monday) in solida	rity with the 'Global Strike for Gaza'.
08 April 2025 (Tuesday)	C-07 Chemistry: Chapter-1	B-02 Botany: Chapter-7	Daily Live Exam [B-01] MCQ (10×1=10); 10 min.
	o or elicinistry, eliciped	o or second, enopeer y	Daily Live Exam [HM-04] MCQ (10×1=10); 10 min.
09 April 2025 (Wednesday)	P-07 Physics: Chapter-1	C-08 Chemistry: Chapter-1	Daily Live Exam [C-07] MCQ (10×1=10); 10 min.
			Daily Live Exam [B-02] MCQ (10×1=10); 10 min.
10 April 2025 (Thursday)	Biology Problem Solving Class	Evening- 6:30 PM)	
11 April 2025 (Friday)	P-08 Physics: Chapter-1	HM-05 H.Math: Chapter-2	Daily Live Exam [P-07] MCQ (10×1=10); 10 min.
			Daily Live Exam [C-08] MCQ (10×1=10); 10 min.
			2 2 2
Online			e occasion of the 'March for Gaza'.
Online		on 12 April 2025 (Saturday) on the	paily Live Exam [P-08] MCQ (10×1=10); 10 min.
Online 13 April 2025 (Sunday)	classes and exams will be closed C-09 Chemistry: Chapter-1	on 12 April 2025 (Saturday) on the	Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min.
13 April 2025 (Sunday)	C-09 Chemistry: Chapter-1 Chapter-wise Exam [H.Math 2nd	on 12 April 2025 (Saturday) on the HM-06 H.Math: Chapter-2 Description of the control of the c	Daily Live Exam [P-08] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min.
13 April 2025 (Sunday)	classes and exams will be closed C-09 Chemistry: Chapter-1	on 12 April 2025 (Saturday) on the HM-06 H.Math: Chapter-2 Description of the control of the c	Daily Live Exam [P-08] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. thakh' on 14 April 2025 (Monday).
13 April 2025 (Sunday)	C-09 Chemistry: Chapter-1 Chapter-wise Exam [H.Math 2nd	on 12 April 2025 (Saturday) on the HM-06 H.Math: Chapter-2 d Paper Chapter-01] (CQ 2×10=20); ed on the occasion of 'Pahela Bois	Daily Live Exam [P-08] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. Chakh' on 14 April 2025 (Monday). Daily Live Exam [C-09] MCQ (10×1=10); 10 min.
13 April 2025 (Sunday) Onli 16 April 2025 (Wednesday)	C-09 Chemistry: Chapter-1 Chapter-wise Exam [H.Math 2nd ne classes and exams will be close P-09 Physics: Chapter-2	on 12 April 2025 (Saturday) on the HM-06 H.Math: Chapter-2 d Paper Chapter-01] (CQ 2×10=20); ed on the occasion of 'Pahela Bois B-03 Botany: Chapter-7	Daily Live Exam [P-08] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. thakh' on 14 April 2025 (Monday).
13 April 2025 (Sunday) Onli	C-09 Chemistry: Chapter-1 Chapter-wise Exam [H.Math 2nd ne classes and exams will be closed	on 12 April 2025 (Saturday) on the HM-06 H.Math: Chapter-2 d Paper Chapter-01] (CQ 2×10=20); ed on the occasion of 'Pahela Bois B-03 Botany: Chapter-7	Daily Live Exam [P-08] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. hakh' on 14 April 2025 (Monday). Daily Live Exam [C-09] MCQ (10×1=10); 10 min. Daily Live Exam [HM-06] MCQ (10×1=10); 10 min.
13 April 2025 (Sunday) Onli 16 April 2025 (Wednesday) 17 April 2025 (Thursday)	C-09 Chemistry: Chapter-1 Chapter-wise Exam [H.Math 2nd et al. 200] P-09 Physics: Chapter-2 H.Math Problem Solving Class (on 12 April 2025 (Saturday) on the HM-06 H.Math: Chapter-2 d Paper Chapter-01] (CQ 2×10=20); ed on the occasion of 'Pahela Bois B-03 Botany: Chapter-7 Evening- 6:30 PM)	Daily Live Exam [P-08] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); Time: 10min. Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. Thakh' on 14 April 2025 (Monday). Daily Live Exam [C-09] MCQ (10×1=10); 10 min. Daily Live Exam [HM-06] MCQ (10×1=10); 10 min. Daily Live Exam [P-09] MCQ (10×1=10); 10 min.
13 April 2025 (Sunday) Onli 16 April 2025 (Wednesday)	C-09 Chemistry: Chapter-1 Chapter-wise Exam [H.Math 2nd ne classes and exams will be close P-09 Physics: Chapter-2	on 12 April 2025 (Saturday) on the HM-06 H.Math: Chapter-2 d Paper Chapter-01] (CQ 2×10=20); ed on the occasion of 'Pahela Bois B-03 Botany: Chapter-7	Daily Live Exam [P-08] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. Thakh' on 14 April 2025 (Monday). Daily Live Exam [C-09] MCQ (10×1=10); 10 min. Daily Live Exam [HM-06] MCQ (10×1=10); 10 min. Daily Live Exam [P-09] MCQ (10×1=10); 10 min. Daily Live Exam [B-03] MCQ (10×1=10); 10 min.
13 April 2025 (Sunday) Onli 16 April 2025 (Wednesday) 17 April 2025 (Thursday)	C-09 Chemistry: Chapter-1 Chapter-wise Exam [H.Math 2nd et al. 200] P-09 Physics: Chapter-2 H.Math Problem Solving Class (on 12 April 2025 (Saturday) on the HM-06 H.Math: Chapter-2 d Paper Chapter-01] (CQ 2×10=20); ed on the occasion of 'Pahela Bois B-03 Botany: Chapter-7 Evening- 6:30 PM)	Daily Live Exam [P-08] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); 10 min. Daily Live Exam [HM-05] MCQ (10×1=10); Time: 10min. Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10min. Thakh' on 14 April 2025 (Monday). Daily Live Exam [C-09] MCQ (10×1=10); 10 min. Daily Live Exam [HM-06] MCQ (10×1=10); 10 min. Daily Live Exam [P-09] MCQ (10×1=10); 10 min.

20 April 2025 (Sunday)	Chapter-wise Exam [Physics 2n	d Paper Chapter-01] (CQ 2×10=20); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10n
21 April 2025 (Monday)	C-10 Chemistry: Chapter-2	B-04 Botany: Chapter-7	Daily Live Exam [P-10] MCQ (10×1=10); 10 min.
21 April 2023 (Monday)	C-10 Chemistry, Chapter-2	B-04 Botarry, Chapter-7	Daily Live Exam [HM-10] MCQ (10×1=10); 10 min.
22 April 2025 (Tuesday)	C-11 Chemistry: Chapter-1	HM-11 H.Math: Chapter-3	Daily Live Exam [C-10] MCQ (10×1=10); 10 min.
22 April 2023 (10e308y)	C-11 Chemistry, Chapter-1		Daily Live Exam [B-04] MCQ (10×1=10); 10 min.
23 April 2025 (Wednesday)	P-11 Physics: Chapter-2	Z-07 Zoology: Chapter-8	Daily Live Exam [C-11] MCQ (10×1=10); 10 min.
25 April 2025 (Wednesday)	T TT Trystes. enopter 2	2 07 20010gy. Chapter 0	Daily Live Exam [HM-11] MCQ (10×1=10); 10 min.
24 April 2025 (Thursday)	Guideline Seminar	•	
	Online classes and	exams will be closed on April 25	
26 April 2025 (Saturday)	C-12 Chemistry: Chapter-2	HM-12 H.Math: Chapter-3	Daily Live Exam [P-11] MCQ (10×1=10); 10 min.
	, .		Daily Live Exam [Z-07] MCQ (10×1=10); 10 min.
27 April 2025 (Sunday)	Chapter-wise Exam [H.Math 2nd	d Paper Chapter-02] (CQ 2×10=20)); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10n
28 April 2025 (Monday)	C-13 Chemistry: Chapter-2	Z-08 Zoology: Chapter-8	Daily Live Exam [C-12] MCQ (10×1=10); 10 min.
			Daily Live Exam [HM-12] MCQ (10×1=10); 10 min.
30 April 2025 (Wednesday)	P-12 Physics: Chapter-2	Z-09 Zoology: Chapter-8	Daily Live Exam [C-13] MCQ (10×1=10); 10 min.
SO April 2023 (Wednesday)	1 12 i flysics. Chapter 2	2 03 200logy. Chapter 0	Daily Live Exam [Z-08] MCQ (10×1=10); 10 min.
01 May 2025 (Thursday)	Physics Problem Solving Class ((Evening- 6:30 PM)	
02 May 2025 (Friday)	P-13 Physics: Chapter-2	HM-13 H.Math: Chapter-3	Daily Live Exam [P-12] MCQ (10×1=10); 10 min.
02 May 2023 (Friday)	1 13 Thysics. Chapter 2	The 13 Harden. Chapter 3	Daily Live Exam [Z-09] MCQ (10×1=10); 10 min.
03 May 2025 (Saturday)	C-14 Chemistry: Chapter-2	HM-14 H.Math: Chapter-3	Daily Live Exam [P-13] MCQ (10×1=10); 10 min.
03 May 2023 (38t0108y)	C-14 Chemistry, Chapter 2	The 14 Harden. Chapter-5	Daily Live Exam [HM-13] MCQ (10×1=10); 10 min.
04 May 2025 (Sunday)	Chapter-wise Exam [Chemistry	2nd Paper Chapter-01] (Part-02);	; Lecture C-06 to 10; (CQ 2×10=20); Time: 50min &
04 May 2025 (Sullday)	(Pre-Admission MCQ 10×1=10); T	ime: 10min.	
OF Marr 2025 (Manaday)	C 45 Chamistan Chastes 2	7 10 7 sala sur Chashas O	Daily Live Exam [C-14] MCQ (10×1=10); 10 min.
05 May 2025 (Monday)	C-15 Chemistry: Chapter-2	z-10 Zoology: Chapter-8	Daily Live Exam [HM-14] MCQ (10×1=10); 10 min.
07.1. 0005 (1.1. 1)			Daily Live Exam [C-15] MCQ (10×1=10); 10 min.
07 May 2025 (Wednesday)	P-14 Physics: Chapter-2	Z-11 Zoology: Chapter-8	Daily Live Exam [Z-10] MCQ (10×1=10); 10 min.
08 May 2025 (Thursday)	Chemistry Problem Solving Clas	ss (Evening- 6:30 PM)	
			Daily Live Exam [P-14] MCQ (10×1=10); 10 min.
09 May 2025 (Friday)	P-15 Physics: Chapter-2	HM-15 H.Math: Chapter-4	Daily Live Exam [Z-11] MCQ (10×1=10); 10 min.
			Daily Live Exam [P-15] MCQ (10×1=10); 10 min.
10 May 2025 (Saturday)	C-16 Chemistry: Chapter-2	HM-16 H.Math: Chapter-4	Daily Live Exam [HM-15] MCQ (10×1=10); 10 min.
11 May 2025 (Sunday)	Chapter-wise Exam [Botany Chapter-wise Exam [Botany Chapter-wise Exam [Botany Chapter	apter-07] (CQ 2×10=20); Time: 50r	min & (Pre-Admission MCQ 10×1=10); Time: 10min.
			Daily Live Exam [C-16] MCQ (10×1=10); 10 min.
12 May 2025 (Monday)	C-17 Chemistry: Chapter-2	Z-12 Zoology: Chapter-8	Daily Live Exam [HM-16] MCQ (10×1=10); 10 min.
13 May 2025 (Tuesday)	Chapter-wise Exam [H.Math 2nd	d Paper Chapter-03] (CQ 2×10=20)); Time: 50min & (Pre-Admission MCQ 10×1=10); Time: 10n
			Daily Live Exam [C-17] MCQ (10×1=10); 10 min.
14 May 2025 (Wednesday)	P-16 Physics: Chapter-2	B-05 Botany: Chapter-8	Daily Live Exam [Z-12] MCQ (10×1=10); 10 min.
15 May 2025 (Thursday)	Biology Problem Solving Class ((Evening- 6:30 PM)	
	3.		Daily Live Exam [P-16] MCQ (10×1=10); 10 min.
16 May 2025 (Friday)	P-17 Physics: Chapter-2	HM-17 H.Math: Chapter-4	Daily Live Exam [8-05] MCQ (10×1=10); 10 min.
			Daily Live Exam [P-17] MCQ (10×1=10); 10 min.
17 May 2025 (Saturday)	C-18 Chemistry: Chapter-2	HM-18 H.Math: Chapter-4	Daily Live Exam [HM-17] MCQ (10×1=10); 10 min.
18 May 2025 (Sunday)	Chapter-wise Exam [Zoology Ch	hapter-08] (CO 2×10=20): Time: 50	Omin & (Pre-Admission MCQ 10×1=10); Time: 10min.
			Daily Live Exam [C-18] MCQ (10×1=10); 10 min.
19 May 2025 (Monday)	C-19 Chemistry: Chapter-2	B-06 Botany: Chapter-8	Daily Live Exam [HM-18] MCQ (10×1=10); 10 min.
			Daily Live Exam [C-19] MCQ (10×1=10); 10 min.
21 May 2025 (Wednesday)	P-18 Physics: Chapter-2	B-07 Botany: Chapter-8	Daily Live Exam [8-06] MCQ (10×1=10); 10 min.
22 May 2025 (Thursday)	H.Math Problem Solving Class (I	Evening- 6:30 PM)	Conjunction to the control of the co
y _0_0 (11101300y)	Iden i i dolem dolving eidss (i		Daily Live Exam [P-18] MCQ (10×1=10); 10 min.
23 May 2025 (Friday)	P-19 Physics: Chapter-3	HM-19 H.Math: Chapter-4	Daily Live Exam [8-07] MCQ (10×1=10); 10 min.
25 1-10 y 2025 (1 1 100 y)			Daily Live Exam [P-19] MCQ (10×1=10); 10 min.
23 110 y 2023 (1 1100 y)	1	HM-20 H.Math: Chapter-4	Daily Live Exam [HM-19] MCQ (10×1=10); 10 min.
24 May 2025 (Saturday)	C-20 Chemistry: Chapter-2		
· ·	, .	2nd Paper Chapter 021 (Pack 01)	
· ·	Chapter-wise Exam [Chemistry	• • • • • • • • • • • • • • • • • • • •	; Lecture C-11 to 19; (CQ 2×10=20); Time: 50min &
24 May 2025 (Saturday)	, .	• • • • • • • • • • • • • • • • • • • •	; Lecture C-11 to 19; (CQ 2×10=20); Time: 50min &
24 May 2025 (Saturday)	Chapter-wise Exam [Chemistry	• • • • • • • • • • • • • • • • • • • •	Daily Live Exam [C-20] MCQ (10×1=10); 10 min.
24 May 2025 (Saturday) 25 May 2025 (Sunday) 26 May 2025 (Monday)	Chapter-wise Exam [Chemistry (Pre-Admission MCQ 10×1=10); T C-21 Chemistry: Chapter-2	B-08 Botany: Chapter-8	Daily Live Exam [C-20] MCQ (10×1=10); 10 min. Daily Live Exam [HM-20] MCQ (10×1=10); 10 min.
24 May 2025 (Saturday) 25 May 2025 (Sunday)	Chapter-wise Exam [Chemistry (Pre-Admission MCQ 10×1=10); T C-21 Chemistry: Chapter-2	B-08 Botany: Chapter-8	Daily Live Exam [C-20] MCQ (10×1=10); 10 min.

The next class and exam routine (Part-02) will be published...

Online Class and Exam Procedure:

- To participate in classes and exams, visit <u>udvash.com</u> and click on the "<u>Join Now</u>" menu. Log in using your admitted registration number.
- Daily Live Classes will be held as per the schedule, with two separate subject classes per day at the mentioned date and time.
- Daily Live Exams will be available as per the schedule from 8:00am to 11:55pm, where students can take the exam once per with two separate subject. However, for additional practice, students can take the Practice Exam multiple times with the same syllabus.
- To watch recorded videos and PDFs of daily classes, use the "Past Classes/Course & Content" option.
- To access Archive Classes & One Shot CQ-MCQ Classes, use the "Course & Content" option.
- The Q&A option is available 24/7 to resolve subject-related queries after the class.
- All students enrolled in the Combo Batch can take chapter-based exams both online and at any nearby branch (from 8:00am to 4:00pm).
- To get updates quickly, join our Facebook group (HSC & Admission উদ্ভাস-উন্মেষ).

HSC 2nd Year Academic Program Pioneer Batch (Class and Exam Syllabus-1)

P-01 Principles of measurement of temperature, Thermal Equilibrium, Zeroth law of Thermodynamics, Measurement of Temperature, Method of two points, relation between various scales, Faulty thermometer, One point method. P-02 Thermal System, Thermal quantities, Thermal Processes, Heat, Work done and Internal Energy, First law of thermodynamics and general mathematical problems. P-03 CQ and Admission Strandard questions on First law of thermodynamics, Molar Heat capacity, Thermal Function of static and path, Isobaric Process, Isochoric Process, Sechoric P	Physics 2nd Paper Reference Book: म्राजालाल ७६६८					
two points, relation between various scales, Faulty thermometer, One point method. P-02 Thermal System, Thermal quantities, Thermal Processes, Heak, Work done and Internal Energy, First law of thermodynamics and general mathematical problems. P-03 CQ and Admission Strandard questions on First law of thermodynamics, Molar Heat capacity, Thermal function of static and path, Isobaric Process, Social Admission Strandard questions on First law of thermodynamics, Molar Heat capacity, Thermal function of static and path, Isobaric Process, Social Admission Standard mathematical problems on Isothermal and Adiabetic process. P-04 Isothermal Process, Adiabetic Process, General mathematical problems on Isothermal and Adiabetic process, Concept of Second law of thermodynamics, Thermal Engines, Reversible and Ireversible process, Concept of Second law of thermodynamics, Thermal Engines, Reversible and Ireversible process, Change of Entropy of Perophysical States and Cycle, Effeciency of Carnot engine and general mathematical problem. P-06 Carnot Cycle, Effeciency of Carnot engine and general mathematical problem. P-07 CQ Admission Standard mathematical problems on Engine, Refrigerator, Efficiency coefficient of refrigerator, Refrigerator, Profice of Proprise of Coulomb's Law, Unitations of Coulomb's Law. P-09 Concept of Charge, Nature of charge, Quantization of charge, Conservation of charge, Surface Charge density, Coulomb's Law, Vector format of Coulomb's Law. P-10 Electric Field on a point for point charge, Law of superposition of electricity intensity, Field line, Uniform electric field, Electric Field on Proprise of Coulomb's Law. P-11 CQ and Admission standard mathematical problems for Potential, Electric force and field intensity. P-12 Electric Potential, Equations of electric potential, Potential politic engine of Poten	Chapter	Lecture	Lecture-based discussion			
two points, relation between various scales, Faulty thermometer, One point method. Thermal System, Thermal quantities, Thermal Processes, Heat, Work done and Internal Energy, First law of thermodynamics and general mathematical problems. Cand Admission Strandard questions on First law of thermodynamics, Molar Heat capacity, Thermal function of static and path, Isobaric Process, Schochric Process. P-03 CQ and Admission Strandard questions on First law of thermodynamics, Molar Heat capacity, Thermal function of static and path, Isobaric Process, Schochric Process. P-04 Isothermal Process, Adiabetic Process, General mathematical problems on Isothermal and Adiabetic process. P-05 CQ and Admission standard mathematical problems on Isothermal and Adiabetic process, Concept of Second law of thermodynamics, Thermal Engine, Refrigerator, Peroses, Factors of Irreversible process, Concept of Second law of thermodynamics, Thermal Engine, Refrigerator, Perose, Schorage of Entropy for Second law of thermodynamics, Thermal Engine, Peroses, Consequency of Second law of thermodynamics, Thermal Engine, Peroses, Consequency of Second law of thermodynamics, Thermal Engine, Peroses, Consequency of Second law of thermodynamics, Thermal Engine, Peroses, Consequency of Second law of thermodynamics, Thermal Engine, Peroses, Consequency of Irreversible process, Consequency		D 01	Principles of measurement of temperature, Thermal Equilibrium, Zero'th law of Thermodynamics, Measurement of Temperature, Method of			
Chapter-1 Thermodynamics P-03		P-01	two points, relation between various scales, Faulty thermometer, One point method.			
Chapter-1 Thermodynamics P-03 CQ and Admission Strandard questions on First law of thermodynamics, Molar Heat capacity, Thermal function of static and path, Isobaric Process, Isochoric Process. P-04 Isothermal Process, Adiabetic Process, General mathematical problems on Isothermal and Adiabetic process. CQ and Admission standard mathematical problems on Isothermal and Adiabetic process. P-05 Carnot Cycle, Effeciency of thermal engines, Reversible and Irreversible process, Factors of Irreversible process. P-06 Carnot Cycle, Effeciency of Carnot engine and general mathematical problems. P-07 CQ & Admission Standard mathematical problems on Engine, Refrigerator, Efficiency coefficient of refrigerator, Refrigeration cycle of Carnot, Mechanism of refrigerator, Entropy, Entropy in reversible and irreversible process, Change of Entropy for the change of physical state. P-08 Change of entropy in various process, Entropy and disorder, Thermal death of the universe. Concept of Charge, Nature of charge, Quantization of charge, Conservation of charge, Surface Charge density, Coulomb's Law, Vector format of Coulomb's Law, Limitations of Coulomb's Law, and Superposition of electricity intensity, Field line, Uniform electric field, Electric Field intensity, General Mathematical problems for Electric intensity. P-10 Cq and Admission standard mathematical problem for Electric force and field intensity, of charge density and electric intensity. P-12 Electric Potential, Equations of electric potential, Problems for Potential, Electric potential and intensity of a charged conductor sphere, Plane density and electric intensity. P-13 Cy and Admission standard Mathematical problems for Potential, Problems for Potential and intensity of a charged conductor sphere, Plane density and electric field for charged conductor sphere, Electric fie		P-02	Thermal System, Thermal quantities, Thermal Pro <mark>cesses, Hea</mark> t, Work done and Internal Energy, First law of thermodynamics and general			
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Chapter	Lecture	Lecture-based discussion
Chapter-1	C-01	Gas, Components of atmosphere, Atmospheric temperature, Effect of pressure and density, Cyclone and tidal bore
	C-02	Boyle's law, Charle's law, Avogadro's law, Gay-Lussac's law, related math
	C-03	Combined law, Ideal gas equation (PV = nRT), Explanation of R, related math
	C-04	Dalton's law of partial pressure, Graham's law of diffusion.
	C-05	Diffusion, Effusion, Rate of diffusion and formula, Kinetic theory of gas, Postulates of kinetic theory, Calculation of kinetic energy.
Environmental	C-06	Real gas, Ideal gas, Deviation, Coefficient of compressibility, Amagat's curve, Vander Walls equation.
Chemistry	C-07	Gas cylinderisation, Reactions occurred during lightning, Fixation of N₂ in soil.
Chemistry	C-08	Greenhouse gas, Source of greenhouse gas, Effect of greenhouse gas, Introduction to CFC and its use, origination of O₃ layer, Damage of O₃ layer.
	C-09	Concept related to acid base- Acid base theory, Arrhenius concept, Bronsted-Lowry concept (Theory, conjugate), Luis theory, Acid rain, Cause of
		acid rain, Effect of acid rain, Prevention of acid rain.
	C-10	Source of surface water, Importance of surface water, Criteria of purity of Surface water, Hardness, pH, DO, BOD, COD, TDS, Water pollution,
		Reason and cause of water pollution, Natural pollutant, Arsenic pollutant, Effect of water pollution.
	C-11	Introduction and Classification of Organic Chemistry- Introduction to organic compounds, Hydrocarbon and organic compounds, Roll of
	C-II	carbon in hydrocarbon, Classification of organic compounds, Homologous series, Functional group.
Chapter-2	C-12	Nomenclature of Organic Compounds- (Tribal system, derived system, IUPAC system)
-	C-13	Isomerism- Introduction, Classification, Structural isomerism, Types of structural isomerism (Chain isomerism, Position isomerism Functional
Organic Chemistry		group isomerism, Metamerism, Tautomerism),
	C-14	Geometric isomerism (cis-trans isomerism, E-Z isomerism, Syn-Anti isomerism)
	C-15	Stereo Isomerism (Cyral carbon, Enantiomer, Diastereomer, Racemic mixture)
	C-16	Technique of Organic Reaction- Division of bond (uniform and ununiform), Electrophile, Nucleophile, Carbocation, Carbanion.

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C-17	Aliphatic hydrocarbon- Saturated hydrocarbon (Alkane and everything of alkane)
C-18	Unsaturated hydrocarbon (Alkene and everything of alkene)
C-19	Unsaturated hydrocarbon (Alkyne and everything of alkyne)
C-20	Benzene and Its Discussion, Source of benzene, Characteristics and speciality of benzene, Aromaticity and Huckle law.
C-21	Preparation and technique of benzene reaction, Homologous of benzene.

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Chapter	Lecture	Lecture-based discussion
Chapter-1	HM-01	Exercise -1.1; Classification of Real Numbers, Sets and subsets of real numbers, Geometrical Representation, Axioms of real number, Concept of inequality & Axioms related to the inequality of real numbers.
Real number	HM-02	Exercise -1.1; Interval, Absolute value, Solution of inequalities involving absolute value, Proofs involving absolute value.
and inequality	HM-03	Exercise - 1.1; Completeness property of real numbers, bounded above sets, bounded below sets (Supremum & Infimum), Exercise 1.2; Solution of inequalities with one variable (linear and quadratic).
	HM-04	Exercise -1.2; Solving inequalities in one variable (polynomials <mark>), Ad</mark> ding inequalities in two variables, and solving with the help of graphs.
Chapter-2	HM-05	Exercise -2; Graphing from exponential inequalities, Solut <mark>ion regi</mark> on, General problems with bounded solution region.
Linear Programming	HM-06	Exercise -2; Practical problems with closed solution regions, Open solution regions, Models, Benefits and Uses of linear programming.
	HM-07	Exercise - 3; Concept and significance of i, powers a <mark>nd series o</mark> f i, rotation through i.
	HM-08	Exercise-3; Real axis and imaginary axis, Introduction to complex numbers, Argand diagram of complex numbers, Modulus and argument of complex numbers.
Chapter-3 Complex	HM-09	Exercise-3; Polar form of a complex numbers. Algebraic calculations of complex numbers, addition, subtraction, multiplication, and division of complex numbers, conjugate complex numbers.
numbers	HM-10	Exercise-3; Properties of complex nu <mark>mber</mark> s, expr <mark>ession in t</mark> he form A+iB.
Hullibers	HM-11	Exercise-3; Square root and fourth root of complex numbers.
	HM-12	Exercise-3; Cube root and sixth root of complex numbers. Series related to ω , determining the value of expressions related to ω , and factorization.
	HM-13	Exercise - 3; Mathematical Significance of $ z_1-z_2 $, Geometrical Applications of Complex Numbers (locus).
	HM-14	Exercise - 3; Conditional Proofs and Value Determination.
	HM-15	Exercise-4; Polynomial functions and polynomial equations, roots of polynomial equations, some theorems related to polynomials, solution of quadratic equations using factors.
Chapter-4	HM-16	Exercise-4; General solution of quadratic equations, discriminant, determining the nature of roots of quadratic equations
Polynomials	HM-17	Exercise-4; Characteristics of roots under coefficient conditions, root-coefficient relationship of quadratic equations
•	HM-18	Exercise - 4; Polynomial Equations with Real Coefficients, Polynomial Equations with Rational Coefficients, Formation of Equations from Roots.
and Polynomial	HM-19	Exercise - 4; Determining the x-intercept of a Polynomial Function, Maximum and Minimum Values of Quadratic Polynomial Functions, Determining the axis of symmetry of quadratic functions. Drawing graphs of any quadratic function.
equations	HM-20	Exercise - 4; Graph of $y = f(x) = ax^n + b[n \text{ Even & Odd], Common Roots, Relation Between Roots & Coefficients of a Cubic Equation.}$
	HM-21	Exercise-4; Relationship of coefficients with the roots of polynomial equations and formation of higher-degree equations, equations with symmetric roots

Botany Reference Book: म्राातालाल T∉×T				
Chapter	Lecture	Lecture-based discussion		
Chapter-07 Gymnosperms and Angiosperms	B-01	Gymnosperms (Introduction, characteristics), Cycas (Characteristics, Structure, Reproduction)		
	B-02	Angiosperms (Introduction, characteristics), Differences between Gymnosperm and angiosperm, Introduction to angiosperm families, Characteristics, Root, Stem, Leaf		
	B-03	Inflorescence, Aestivation, Placentation, Fruits, Floral Formula, Floral Diagram		
	B-04	Poaceae Family, Malvaceae Family, Differences between Poaceae and Malvaceae family, Differences between Monocot plant and dicot plant		
Chapter 00	B-05	Meristematic Tissue, Types of meristematic tissue, Differences between permanent and meristematic tissue		
Chapter-08 Tissue and Tissue System	B-06	Epidermal tissue system, stomata, hydathode		
	B-07	Ground tissue system, Vascular tissue system		
	B-08	Internal structure of monocot root and monocot stem, Primary internal structure of dicot stem		

Zoology Reference Book: 괴ାମାମ T는XT

Chapter	Lecture	Lecture-based discussion		
Chapter-07	Z-01	Skeletal system (classification, functions, components, parts), bones of the adult human skeleton, axial skeleton (skull)		
Human	Z-02	Axial skeleton (vertebral column, ribcage)		
Physiology:	Z-03	Appendicular skeleton		
Locomotion	Z-04	Bone, Haversian system, cartilage, types of cartilage		
and body	Z-05	Muscle tissue, types of muscles, muscles can pull but cannot push, functions of skeleton and the 'rods and lever system'		
movement	Z-06	Bone and muscle coordination in knee movement, bone fracture and first aid, joint injuries and first aid.		
	Z-07	Nervous coordination, function of the nervous system, neurons, types of neurons, neuroglia, neurotransmitters, synapses, transmission of stimuli		
		through synapses.		
Chapter-8 Z-08 Central nervous system, bra		Central nervous system, brain, forebrain, midbrain, hindbrain.		
Human	Z-09	Brain ventricles, cerebrospinal fluid, human cranial nerves (names, origins, branches, distribution, nature and functions), spinal cord.		
Physiology:	Z-10	Human sensory organs, eye-organ of vision, eyeball, accessory parts of the eye, image formation and mechanism of vision, accomodation, binocular vision.		
Coordination and Control	Z-11	Ear - organ of hearing and balance (external ear, middle ear, inner ear), role of the ear in hearing and balance.		
		Chemical coordination, endocrine system, location of endocrine glands, hormones secreted and their functions, effects of hormones on body		
	Z-12	growth, effects of hormones on physiological functions of the body, effects of hormones on behavior change, consequences of uncontrolled		
		hormone use.		

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