

Science Lab

01910-086915

Sat-Mon-Wed Batch

ইন্ড্রাম একাডেমিক এন্ড এডমিশন কেয়ার

Engineering + Biology Admission Program-2025

Step-3: Class & Exam Routine (02 – 27 November)

Batchwise Routine Column	
Batch Type	Service Column
Offline Batch	1, 2, 3, 4, 5
Online Batch	3, 4, 5
Combo/Light Combo	2, 3, 4, 5
Exam Batch	2, 4, 5

Date	Day	Service Column-1	Service Column-2	Service Column-3	Service Column-4	Service Column-5
		Offline Class (Self Batch Time)	Offline Daily Exam (Self Batch Time)	Marathon Live Class (EV-3:00pm & BV-7:30pm)	Daily Live Exam (Same Day 11:00pm to Next Day 11:00pm)	Practice Exam (MCQ) (Same Day 11:00pm to Program End)
02-Nov-25	Sunday	-	-	*Bio-09/Archi.-09	*Bio-09 MCQ (30) + Wri. (5)	*Bio-09 (30)
				Engg. Monthly Evaluation Test-02: PCM Lecture (05-08) Written (600) [02 Nov]		-
03-Nov-25	Monday	C-09	C-08 MCQ (20) + Wri. (10)	M-10 Part-01	M-10 Part-01 MCQ (15) + Wri. (10)	M-10 Part-01 (15)
04-Nov-25	Tuesday	Engg. Offline Weekly Exam-08: (P ₈ +C ₈ +M ₈ +E ₈)		M-10 Part-02	M-10 Part-02 MCQ (15) + Wri. (10)	M-10 Part-02 (15)
				Engg. Weekly Live Exam-09: (P ₉ +C ₉ +M ₉ +E ₉) [04-12 Nov]		Engg. W-09 (50)
				Varsity 'KA' Weekly Live Exam-09: (P ₉ +C ₉ +M ₉ +Bio ₉ /Ba/ E) [04-12 Nov]		Varsity 'KA' W-09 (60)
05-Nov-25	Wednesday	M-09	C-09 MCQ (20) + Wri. (10)	P-10 Part-01	P-10 Part-01 MCQ (15) + Wri. (10)	P-10 Part-01 (15)
06-Nov-25	Thursday	-	-	P-10 Part-02	P-10 Part-02 MCQ (15) + Wri. (10)	P-10 Part-02 (15)
07-Nov-25	Friday	*Bio-08/Archi.-09	Bio-07 MCQ (20) + Wri. (2.5)	C-10 Part-01	C-10 Part-01 MCQ (15) + Wri. (10)	C-10 Part-01 (15)
		**Medical Offline Weekly Exam-07: (Bio ₇ +C ₇ +P ₇ +GK+E)				
08-Nov-25	Saturday	P-09	M-09 MCQ (20) + Wri. (10)	C-10 Part-02	C-10 Part-02 MCQ (15) + Wri. (10)	C-10 Part-02 (15)
				Medical Weekly Live Exam-09: (Bio ₉ +C ₉ +P ₉ + GK+ E) [08-14 Nov]		Medical W-09(100)
09-Nov-25	Sunday	Engg. Monthly Evaluation Test-02: PCM Lecture (05-08) Written (600)		*Bio-10/Archi.-10	*Bio-10 MCQ (30) + Wri. (5)	*Bio-10 (30)
10-Nov-25	Monday	P-10	P-09 MCQ (20) + Wri. (10)	M-11 Part-01	M-11 Part-01 MCQ (15) + Wri. (10)	M-11 Part-01 (15)
11-Nov-25	Tuesday	Engg. Offline Weekly Exam-09: (P ₉ +C ₉ +M ₉ +E ₉)		M-11 Part-02	M-11 Part-02 MCQ (15) + Wri. (10)	M-11 Part-02 (15)
				Engg. Weekly Live Exam-10: (P ₁₀ +C ₁₀ +M ₁₀ +E ₁₀) [11-19 Nov]		Engg. W-10 (50)
				Varsity 'KA' Weekly Live Exam-10: (P ₁₀ +C ₁₀ +M ₁₀ +Bio ₁₀ /Ba/ E) [11-19Nov]		Varsity 'KA' W-10 (60)
12-Nov-25	Wednesday	C-10	P-10 MCQ (20) + Wri. (10)	P-11 Part-01	P-11 Part-01 MCQ (15) + Wri. (10)	P-11 Part-01 (15)
13-Nov-25	Thursday	-	-	P-11 Part-02	P-11 Part-02 MCQ (15) + Wri. (10)	P-11 Part-02 (15)
14-Nov-25	Friday	*Bio-09/Archi.-10	Bio-08 MCQ (20) + Wri. (2.5)	C-11 Part-01	C-11 Part-01 MCQ (15) + Wri. (10)	C-11 Part-01 (15)
		**Medical Offline Weekly Exam-08: (Bio ₈ +C ₈ +P ₈ +GK+E)				
15-Nov-25	Saturday	M-10	C-10 MCQ (20) + Wri. (10)	C-11 Part-02	C-11 Part-02 MCQ (15) + Wri. (10)	C-11 Part-02 (15)
16-Nov-25	Sunday	-	-	E-04/Archi.-11	E-04 MCQ (30) + Wri. (5)	E-04 (30)
17-Nov-25	Monday	E-03+04	E-02 MCQ (20) + Wri. (2.5)	M-12 Part-01	M-12 Part-01 MCQ (15) + Wri. (10)	M-12 Part-01 (15)
18-Nov-25	Tuesday	*Bio-10/Archi.-11	Bio-09 MCQ (20) + Wri. (2.5)	M-12 Part-02	M-12 Part-02 MCQ (15) + Wri. (10)	M-12 Part-02 (15)
		**Medical Offline Weekly Exam-09: (Bio ₉ +C ₉ +P ₉ +GK+E)		Engg. Weekly Live Exam-11: (P ₁₁ +C ₁₁ +M ₁₁ +E ₁₁) [18-23 Nov]		Engg. W-11 (50)
19-Nov-25	Wednesday	M-11	M-10 MCQ (20) + Wri. (10)	P-12 Part-01	P-12 Part-01 MCQ (15) + Wri. (10)	P-12 Part-01 (15)
20-Nov-25	Thursday	Archi.-12	-	P-12 Part-02	P-12 Part-02 MCQ (15) + Wri. (10)	P-12 Part-02 (15)
		Engg. Offline Weekly Exam-10: (P ₁₀ +C ₁₀ +M ₁₀ +E ₁₀)				
21-Nov-25	Friday	P-11	M-11 MCQ (20) + Wri. (10)	M-13 Part-01	M-13 Part-01 MCQ (15) + Wri. (10)	M-13 Part-01 (15)

22-Nov-25	Saturday	C-11	P-11 MCQ (20) + Wri. (10)	M-13 Part-02	M-13 Part-02 MCQ (15) + Wri. (10)	M-13 Part-02 (15)
23-Nov-25	Sunday	M-12	C-11 MCQ (20) + Wri. (10)	Archi.-11+12	-	-
24-Nov-25	Monday	Archi.-13+14	-	*Ex. Bio-11	*Ex. Bio-11 MCQ (30) + Wri. (5)	*Ex. Bio-11 (30)
		Engg. Offline Weekly Exam-11: (P ₁₁ +C ₁₁ +M ₁₁ +E ₁₁)		Engg. Weekly Live Exam-12: (P ₁₂ +M ₁₂ +E ₁₂ +M ₁₃) [24-27 Nov]		Engg. W-12 (50)
25-Nov-25	Tuesday	M-13	M-12 MCQ (20) + Wri. (10)	*Ex. Bio-12	*Ex. Bio-12 MCQ (30) + Wri. (5)	*Ex. Bio-12 (30)
26-Nov-25	Wednesday	P-12	M-13 MCQ (20) + Wri. (10)	*Ex. Bio-13	*Ex. Bio-13 MCQ (30) + Wri. (5)	*Ex. Bio-13 (30)
				Engg. Monthly Evaluation Test-03: PCM Lecture (09-12) Written (600) [26 Nov]		-
27-Nov-25	Thursday	Engg. Offline Weekly Exam-12: (P ₁₂ +M ₁₂ +E ₁₂ +M ₁₃)		*Ex. Bio-14	*Ex. Bio-14 MCQ (30) + Wri. (5)	*Ex. Bio-14 (30)
		Engg. Monthly Evaluation Test-03: PCM Lecture (09-12) Written (600) [Questions will be provided]		-	-	-

Note: *Marked class-exams are for students of 'Biology' course. **Marked exams are for students of the 'Medical Exam Batch.

***Marked Exams are for students of "Varsity 'KHA' Special course.

➤ Engineering Offline Daily Exam 15 min. [MCQ (20×1=20); Written (1×10=10)] ➤ Biology Offline Daily Exam 20 min. [MCQ (20×1=20); Written (1×2.5)] ➤ Engineering Offline Weekly Exam 1 Hours 35 min. [MCQ (40×1=40); Written (21×10=210)] ➤ Engineering Monthly Exam Written (60×10=600); 180 min.] ➤ Medical Offline Weekly Exam 55 min. [MCQ (100×1=100)] ➤ Varsity 'KHA' Offline Weekly Exam 1 Hours 30 min. [MCQ (60×1=60); Written (40)] ➤ To enjoy the online services, just download udvash-unmesh mobile app or visit: online.udvash-unmesh.com	➤ Engineering Daily Live Exam 14 min. [MCQ (15×1=15) [9 Min.]; Written (1×10=10) [5Min.] ➤ Biology Daily Live Exam 30 min. [MCQ (30×1=30) [20 Min.]; Written (2×2.5=5) [10Min.] ➤ Engineering Weekly Live Exam 1 Hours 55 min. [MCQ (40×1=40); Written (21×10=210)] ➤ Engineering Monthly Live Exam Written (60×10=600); 3:50 min] ➤ Varsity 'KA' Weekly Live Exam 1 Hours 45 min. [MCQ (60×1=60)(45min); Written (40) (60min)] ➤ Varsity 'KHA' Weekly Live Exam 1 Hours 30 min. [MCQ (60×1=60)(40min); Written (40) (50min)] ➤ Medical Weekly Live Exam 55 min. [MCQ (100×1=100)] ➤ Engineering Facebook Private Group: https://cutt.ly/eap25
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Engineering Syllabus-2025 (Step-3)

Offline Class	Marathon Live	Physics
P-09	Part-01	2nd Paper Chapter-02: Electrostatics [Coulomb's Law, Electric field intensity, Gauss's Law]
	Part-02	2nd Paper Chapter-02: Electrostatics [Electric potential, relation between intensity and potential, Electric potential energy, Capacitor and capacitance, Energy stored in capacitor, Electric dipole]
P-10	Part-01	2nd Paper Chapter-03: Current Electricity [Electric Current, Drift velocity, Resistance and Equivalent resistance, Electromotive force (emf) and internal resistance, Ohm's Law, Voltage Divider rule, Current Divider rule]
	Part-02	2nd Paper Chapter-03: Current Electricity [Kirchhoff's Law, Combination of electric cells, Ammeter and Voltmeter, Shunt, Energy and power in an electric circuit]
P-11	Part-01	2nd Paper Chapter-07: Physical Optics [Electromagnetic Wave and its nature, Path difference and Phase difference, Pointing Vector, Interference, Young's Double Slit Experiment, Diffraction due to Single Slit, Diffraction Grating, Polarization]
	Part-02	2nd Paper Chapter-08: Introduction of Modern Physics [Lorentz Transformation, Time Dilation, Length Contraction, Relativistic Mass, Mass-Energy Relation, Planck's Theory, Photoelectric Effect, X-rays, Compton Effect]
P-12	Part-01	2nd Paper Chapter-09: Atomic Model and Nuclear Physics [Atomic Structure, Bohr's Atom Model, Energy levels, Mass-Defect, Bonding energy, Radioactivity, Radioactive Decay, Nuclear Fission and Fusion]
	Part-02	2nd Paper Chapter-10: Semiconductor and Electronics [Band Theory, p-type and n-type semiconductors, p-n junction, dynamic resistance, biasing related problem of diodes, Zener diode, biasing of transistor, problem related to Kirchhoff's theorem in transistor.

Offline Class	Marathon Live	Chemistry
C-09	Part-01	2nd Paper Chapter-02: Organic chemistry [Reagent, breaking bond fission, alkane, alkene, alkyne]
	Part-02	2nd Paper Chapter-02: Organic chemistry [Aromaticity, Huckel theory, benzene and it's derivatives, toluene]
C-10	Part-01	2nd Paper Chapter-02: Organic chemistry [Alkyl halide, aryl halide]
	Part-02	2nd Paper Chapter-02: Organic chemistry [Alcohol, ether]
C-11	Part-01	2nd Paper Chapter-02: Organic chemistry [Aldehyde, ketone]
	Part-02	2nd Paper Chapter-02: Organic chemistry [Organic acid and it's derivatives, amine]

Offline Class	Marathon Live	Math
M-09	Part-01	1st Paper Chapter-09: Differentiation (Up to the chapter prior to successive differentiation) [Existence of limit, Continuity and discontinuity, L'Hôpital's Rule, limiting value in different cases]
	Part-02	1st Paper Chapter-09: Differentiation (Up to the chapter prior to successive differentiation) [Sandwich Theorem, Mean Value Theorem, first principle of differentiation, from the differentiability of functions to the chapter prior to successive differentiation]
M-10	Part-01	1st Paper Chapter-10: Integration (Everything except Determination of Area Using Integration) [Different types of indefinite integrals (Chapters Prior to integration by parts)]
	Part-02	1st Paper Chapter-10: Integration (Everything except Determination of Area Using Integration) [Integration by parts, all the types of definite integrals except determination of area using integration]

M-11	Part-01	1st Paper Chapter-09: Differentiation (n^{th} derivative, proof related to successive differentiation, tangent and normal, application of differentiation, maxima and minima)
	Part-02	1st Paper Chapter-10: Integration [Determination of area using integration]
M-12	Part-01	2nd Paper Chapter-08: Statics [All problems related to resultant of force and equilibrium of force (up to inclined surface and Lami's Theorem)]
	Part-02	2nd Paper Chapter-08: Statics [Equilibrium of forces (Converse law of triangle law of force), moment of force, parallel forces, displacement of resultant, displacement of center of mass]
M-13	Part-01	2nd Paper Chapter-09: Motion of Particles in a Plane [From parallelogram law of velocities to the prior chapter of free falling object and objects thrown vertically]
	Part-02	2nd Paper Chapter-09: Motion of Particles in a Plane [Free falling object, objects thrown vertically, and projectile motion]

Offline Class	Marathon Live	English
E-03	Part-01	Adjective & Degree of Comparison, Adverb & Inversion, Conditionals, Affirmative & Negative agreement, Modifiers, Vocabulary (M-O), Spelling (M-O), Phrase & Idioms (M-O), Appropriate Preposition (M-O), Group Verb (M-O)
	Part-02	Voice, Narration, Completing Sentence, Sentence Completion Punctuation, Vocabulary (P-R), Spelling (P-R), Phrase & Idioms (P-R), Appropriate Preposition (P-R), Group Verb (P-R)
E-04	Part-01	Phrase & Clause, Analogy, Parallelism, Sentence Correction, Pin-point Error Detection, One word Substitution, Vocabulary (S-U), Spelling (S-U), Phrase & Idioms (S-U), Appropriate Preposition (S-U), Group Verb (S-U)
	Part-02	Sentence and Its Transformation, Suffix-Prefix, Interchange of Part of Speech, Same Word Different Part of Speech, Redundancy, Commonly Misused Words, Comprehension, Literature, Proverb, Translation, Vocabulary (V-Z), Spelling (V-Z), Phrase & Idioms (V-Z), Appropriate Preposition (V-Z), Group Verb (V-Z)

Biology Syllabus-2025 (Step-2)

Offline Class	Marathon Live	Biology
Bio-08	Part-01	1st Paper Chapter-09 : Plant Physiology [Transpiration, Photosynthesis]
	Part-02	1st Paper Chapter-09 : Plant Physiology [Mineral salt absorption, Respiration]
Bio-09	Part-01	2nd Paper Chapter-02 : Animals Identity (Hydra, Rohu Fish)
	Part-02	2nd Paper Chapter-11 : Genetics and Evolution
Bio-10	Part-01	1st Paper Chapter-02 : Cell Division
	Part-02	1st Paper Chapter-11 : Biotechnology
Bio-11	Part-01	1st Paper Chapter-03: Cell Chemistry
	Part-02	1st Paper Chapter-12: Environment, Distribution and Conservation of Organisms
Bio-12	Part-01	2nd Paper Chapter-08: Human Physiology: Coordination and Control (Nervous Coordination, Human Sensory Organs)
	Part-02	2nd Paper Chapter-08: Human Physiology: Coordination and Control (Chemical Coordination) 2nd Paper Chapter-06: Human Physiology: Excretion and Waste Removal
Bio-13	Part-01	2nd Paper Chapter-10: Defense of the Human Body
	Part-02	2nd Paper Chapter-09: Continuity of Human Life 2nd Paper Chapter-12: Animal Behavior
Bio-14	Part-01	1st Paper Chapter-05: Algae and Fungi
	Part-02	1st Paper Chapter-06: Bryophyta and Pteridophyta 1st Paper Chapter-10: Plant Reproduction

Architecture Syllabus-2025 (Step-3)

Offline & Marathon Live Class	Architecture
Architecture-09	Human figure (Using human figure to perceive scale of a space. Drawing two interactive humans. Ex Wrestler, player etc. Drawing a perspective with human figure)
Architecture-10	Perspective Basics (One point perspective (Basic line drawing. Introduction to various terms - vision point/ vanishing point, horizon etc. Perceiving a particular object from different perspective)
Architecture-11	1point perspective (Practicing one point interior and exterior drawing. Focusing on building and streets)
Architecture-12	2point perspective interior (Two-point perspective (Perceiving an object from different perspective with two vanishing points. Keys to draw two-point perspective. Practicing two-point interior drawing)
Architecture-13	2point perspective exterior (Practicing two point exterior drawing)
Architecture-14	Scene drawing (Scenario Drawing (Drawing scenario with one/ two-point perspective and human figure. Key to draw scenario))

English Syllabus for Engineering Weekly Exam (Step-3)

Week	Syllabus
Week-08	Noun & Determiner, Article, Number & Gender, Vocabulary (A-C), Spelling (A-C), Phrase & Idioms (A-C), Appropriate Preposition (A-C), Group Verb (A-C) Pronoun & Antecedent, Preposition and Conjunction, Tag Question, Embedded Question, Connectors & Linkers, Vocabulary (D-F), Spelling (D-F), Phrase & Idioms (D-F), Appropriate Preposition (D-F), Group Verb (D-F)
Week-09	Sub-Verb Agreement, Right form of Verbs, Tense & Sequence of Tense, Vocabulary (J-L), Spelling (J-L), Phrase & Idioms (J-L), Appropriate Preposition (J-L), Group Verb (J-L)
Week-10	Adjective & Degree of Comparison, Adverb & Inversion, Conditionals, Affirmative & Negative agreement, Modifiers, Vocabulary (M-O), Spelling (M-O), Phrase & Idioms (M-O), Appropriate Preposition (M-O), Group Verb (M-O) Voice, Narration, Completing Sentence, Sentence Completion Punctuation, Vocabulary (P-R), Spelling (P-R), Phrase & Idioms (P-R), Appropriate Preposition (P-R), Group Verb (P-R)
Week-11	Phrase & Clause, Analogy, Parallelism, Sentence Correction, Pin-point Error Detection, One word Substitution, Vocabulary (S-U), Spelling (S-U), Phrase & Idioms (S-U), Appropriate Preposition (S-U), Group Verb (S-U)

Week-12	Sentence and Its Transformation, Suffix-Prefix, Interchange of Part of Speech, Same Word Different Part of Speech, Redundancy, Commonly Misused Words, Comprehension, Literature, Proverb, Translation, Vocabulary (V-Z), Spelling (V-Z), Phrase & Idioms (V-Z), Appropriate Preposition (V-Z), Group Verb (V-Z)
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Bangla & English Syllabus for Varsity 'KA' Weekly Exam (Step-3)

Week	Lecture	Syllabus
Week-09	Bangla	বাংলা ১ম পত্র- উপন্যাস: লালসালু। বাংলা ২য় পত্র- শব্দের শ্রেণিবিভাগ, ধাতু, প্রকৃতি ও প্রত্যয়।
	English	Sentence Correction, One Word Substitution, Pinpoint Error Detection, Analogy, Parallelism
Week-10	Bangla	বাংলা ১ম পত্র- নাটক: সিরাজউদ্দৌলা। বাংলা ২য় পত্র- বিপরীতার্থক শব্দ, কারক ও বিভক্তি।
	English	Sentence Completion, Literature, Miscellaneous, Synonym & Antonym (W-Z), Appropriate Preposition (Q-Z)

GK & English Syllabus for Medical Weekly Exam (Step-3)

Week	Lecture	Syllabus
Week-09	GK	বিশ্বের উল্লেখযোগ্য অর্থনৈতিক জোট ও আর্থিক প্রতিষ্ঠান, বৈশ্বিক আঞ্চলিক সংগঠন, আন্তর্জাতিক ও আঞ্চলিক রাজনৈতিক জোট, আন্তর্জাতিক সেবা ও মানবাধিকার সংস্থা, আন্তর্জাতিক পুলিশ, গোয়েন্দা, গেরিলা ও অন্যান্য স্বাধীনতাকামী সংগঠন, আন্তর্জাতিক সামরিক জোট, অস্ত্র নিয়ন্ত্রণ সংস্থা ও নিরস্ত্রীকরণ চুক্তি, পরিবেশ ইস্যু ও কূটনীতি [Ref: GK MQB, Page (344-386)]
	English	Idioms & Phrases, Group Verb/Phrasal Verb, Proverb [Ref: Eng MQB, Page (352-390)]
Week-10	GK	বিশ্বের অন্যান্য গুরুত্বপূর্ণ বিষয়াবলি, সাম্প্রতিক বিষয়াবলি (আন্তর্জাতিক) [Ref: GK MQB, Page (387-423)]
	English	One Word Substitution, Foreign Words [Ref: Eng MQB, Page (391-409)], Synonym & Antonym (Q-Z)