

## Engineering + Biology Admission Program-2024

## Step-02: Class &amp; Exam Routine (14 October-15 November)

Date	Day	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)	
10-Oct-24	Thursday	<b>All classes and exams will be postponed on October 10 to October 13 on the occasion of Autumnal Durga Puja.</b>					
11-Oct-24	Friday						
12-Oct-24	Saturday						
13-Oct-24	Sunday						
14-Oct-24	Monday	Engg. Revision Test-01: PCM Lecture (01-04) MCQ (100) + Wri. (400)		Live Engg. Revision Test-01: PCM Lecture (01-04) MCQ (100) + Wri. (400) [14 Oct]		Rev. Test-01: MCQ (100)	
15-Oct-24	Tuesday	-	-	C-06 Part-01	C-06 Part-01 MCQ (15) + Wri. (1)	C-06 Part-01 (15)	
				C-06 Part-02	C-06 Part-02 MCQ (15) + Wri. (1)	C-06 Part-02 (15)	
				<b>Engg. Weekly Live Exam-05: (P<sub>5</sub>+C<sub>5</sub>+M<sub>5</sub>) [15-21 Oct]</b>		Engg. W-05 (50)	
				Varsity 'KA' Weekly Live Exam-05: (P <sub>5</sub> +C <sub>5</sub> +M <sub>5</sub> +Bio <sub>5</sub> /Ba/ E) [15-21 Oct]		Varsity 'KA' W-05 (60)	
16-Oct-24	Wednesday	P-05	M-05 MCQ (20) + Wri. (1)	E-01 Part-01+02	E-01 MCQ (30) + Wri. (2)	E-01 (30)	
		**Varsity 'Kha' Offline Weekly Exam-04: (E+GK+B)		Architecture-06 (3:00pm)		-	
17-Oct-24	Thursday	-	-	Varsity 'KHA' Monthly live Evaluation Test-01: Ba+E+GK (1-4); 90min. [17-18 Oct]		Var. 'KHA' Monthly Evaluation Test-01 (60)	
				M-06 Part- 01	M-06 Part-01 MCQ (15) + Wri. (1)	M-06 Part-01 (15)	
18-Oct-24	Friday	*Bio-05/Arc-05	*Medical Offline Weekly Exam-04: (Bio <sub>4</sub> +C <sub>4</sub> +P <sub>4</sub> +GK+E)	M-06 Part- 02	M-06 Part-02 MCQ (15) + Wri. (1)	M-06 Part-02 (15)	
		**Varsity 'Kha' Offline Monthly Evaluation Test-01: Ba+E+GK (1-4); 90 min.					
19-Oct-24	Saturday	P-06	P-05 MCQ (20) + Wri. (1)	*Bio-06 Part-01+02	*Bio-06 MCQ (30) + Wri. (2)	*Bio-06 (30)	
				Architecture-07 (3:00pm)		-	
				Medical Weekly Live Exam-05: (Bio <sub>5</sub> +C <sub>5</sub> +P <sub>5</sub> +GK+E) [19-25 Oct]		Medical W-05(100)	
				Varsity 'KHA' Written Special Exam-01: Wri.SP Ba-01 (40)+Wri.SP E-01 (40); 1.40 min. [19-25 Oct]		-	
20-Oct-24	Sunday	<b>Engg. Offline Weekly Exam-05: (P<sub>5</sub>+C<sub>5</sub>+M<sub>5</sub>)</b>		P-07 Part-01	P-07 Part-01 MCQ (15) + Wri. (1)	P-07 Part-01 (15)	
21-Oct-24	Monday	C-06	P-06 MCQ (20) + Wri. (1)	M-07 Part- 01	M-07 Part-01 MCQ (15) + Wri. (1)	M-07 Part-01 (15)	
22-Oct-24	Tuesday	-	-	M-07 Part- 02	M-07 Part-02 MCQ (15) + Wri. (1)	M-07 Part-02 (15)	
				<b>Engg. Weekly Live Exam-06: (P<sub>6</sub>+C<sub>6</sub>+M<sub>6</sub>) [22-28 Oct]</b>		Engg. W-06 (50)	
				Varsity 'KA' Weekly Live Exam-06: (P <sub>6</sub> +C <sub>6</sub> +M <sub>6</sub> +Bio <sub>6</sub> /Ba/ E) [22-28 Oct]		Varsity 'KA' W-06 (60)	
23-Oct-24	Wednesday	M-06	C-06 MCQ (20) + Wri. (1)	P-07 Part-02	P-07 Part-02 MCQ (15) + Wri. (1)	P-07 Part-02 (15)	
24-Oct-24	Thursday	-	-	C-07 Part-01	C-07 Part-01 MCQ (15) + Wri. (1)	C-07 Part-01 (15)	
25-Oct-24	Friday	*Bio-06/Arc-06	*Medical Offline Weekly Exam-05: (Bio <sub>5</sub> +C <sub>6</sub> +P <sub>6</sub> +GK+E)	C-07 Part-02	C-07 Part-02 MCQ (15) + Wri. (1)	C-07 Part-02 (15)	
		Varsity 'KHA' Written Special Exam-01: Wri.SP Ba-01 (40) + Wri.SP E-01 (40); 90 min.					
26-Oct-24	Saturday	M-07	M-06 MCQ (20) + Wri. (1)	*Bio-07 Part-01+02	*Bio-07 MCQ (30) + Wri. (2)	*Bio-07 (30)	
				Architecture-08 (3:00pm)		-	
				Medical Weekly Live Exam-06: (Bio <sub>6</sub> +C <sub>7</sub> +P <sub>7</sub> +GK+E) [26 Oct-01 Nov]		Medical W-06(100)	
				Varsity 'Kha' Weekly Live Exam-05: (E+GK+B) [26 Oct-01 Nov]		Varsity 'Kha' W-05 (60)	
27-Oct-24	Sunday	<b>Engg. Offline Weekly Exam-06: (P<sub>6</sub>+C<sub>6</sub>+M<sub>6</sub>)</b>		P-08 Part-01	P-08 Part-01 MCQ (15) + Wri. (1)	P-08 Part-01 (15)	
28-Oct-24	Monday	P-07	M-07 MCQ (20) + Wri. (1)	M-08 Part-01	M-08 Part-01 MCQ (15) + Wri. (1)	M-08 Part-01 (15)	
29-Oct-24	Tuesday	-	-	M-08 Part-02	M-08 Part-02 MCQ (15) + Wri. (1)	M-08 Part-02 (15)	
				<b>Engg. Weekly Live Exam-07: (P<sub>7</sub>+C<sub>7</sub>+M<sub>7</sub>) [29 Oct-04 Nov]</b>		Engg. W-07 (50)	
				Varsity 'KA' Weekly Live Exam-07: (P <sub>7</sub> +C <sub>7</sub> +M <sub>7</sub> +Bio <sub>7</sub> /Ba/ E) [29 Oct-04 Nov]		Varsity 'KA' W-07 (60)	
30-Oct-24	Wednesday	C-07	P-07 MCQ (20) + Wri. (1)	P-08 Part-02	P-08 Part-02 MCQ (15) + Wri. (1)	P-08 Part-02 (15)	
31-Oct-24	Thursday	-	-	C-08 Part-01	C-08 Part-01 MCQ (15) + Wri. (1)	C-08 Part-01 (15)	
01-Nov-24	Friday	*Bio-07/Arc-07	*Medical Offline Weekly Exam-06: (Bio <sub>6</sub> +C <sub>7</sub> +P <sub>7</sub> +GK+E)	C-08 Part-02	C-08 Part-02 MCQ (15) + Wri. (1)	C-08 Part-02 (15)	

		**Varsity 'Kha' Offline Weekly Exam-05: (E+GK+B)					
02-Nov-24	Saturday	C-08	C-07 MCQ (20) + Wri. (1)	*Bio-08 Part-01+02	*Bio-08 MCQ (30) + Wri. (2)	*Bio-08 (30)	
				Architecture-09 (3:00pm)			-
				Medical Weekly Live Exam-07: (Bio <sub>7</sub> +C <sub>8</sub> +P <sub>8</sub> + GK+ E) [02-08 Nov]			Medical W-07(100)
				Varsity 'Kha' Weekly Live Exam-06: (E+GK+B) [02-08 Nov]			Varsity 'Kha' W-06(60)
03-Nov-24	Sunday	<b>Engg. Offline Weekly Exam-07: (P<sub>7</sub>+C<sub>7</sub>+M<sub>7</sub>)</b>		P-09 Part- 01	P-09 Part-01 MCQ (15) + Wri. (1)	P-09 Part-01 (15)	
04-Nov-24	Monday	M-08	C-08 MCQ (20) + Wri. (1)	M-09 Part-01	M-09 Part-01 MCQ (15) + Wri. (2)	M-09 Part-01 (15)	
05-Nov-24	Tuesday	-	-	M-09 Part-02	M-09 Part-02 MCQ (15) + Wri. (2)	M-09 Part-02 (15)	
				<b>Engg. Weekly Live Exam-08: (P<sub>8</sub>+C<sub>8</sub>+M<sub>8</sub>) [05-11 Nov]</b>			Engg. W-08 (50)
				Varsity 'KA' Weekly Live Exam-08: (P <sub>8</sub> +C <sub>8</sub> +M <sub>8</sub> +Bio <sub>8</sub> /Ba/ E) [03-09 Nov]			Varsity 'KA' W-08 (60)
06-Nov-24	Wednesday	P-08	M-08 MCQ (20) + Wri. (1)	P-09 Part-02	P-09 Part-02 MCQ (15) + Wri. (1)	P-09 Part-02 (15)	
07-Nov-24	Thursday	-	-	C-09 Part-01	C-09 Part-01 MCQ (15) + Wri. (1)	C-09 Part-01 (15)	
08-Nov-24	Friday	*Bio-08/Arc-08	*Medical Offline Weekly Exam-07: (Bio <sub>7</sub> +C <sub>8</sub> +P <sub>8</sub> +GK+E)	C-09 Part-02	C-09 Part-02 MCQ (15) + Wri. (1)	C-09 Part-02 (15)	
		**Varsity 'Kha' Offline Weekly Exam-06: (E+GK+B)					
09-Nov-24	Saturday	P-09	P-08 MCQ (20) + Wri. (1)	*Bio-09 Part-01+02	*Bio-09 MCQ (30) + Wri. (2)	*Bio-09 (30)	
				Architecture-10 (3:00pm)			-
				Medical Weekly Live Exam-08: (Bio <sub>8</sub> +C <sub>9</sub> +P <sub>9</sub> + GK+ E) [09-15 Nov]			Medical W-08(100)
				Varsity 'Kha' Weekly Live Exam-07: (E+GK+B) [09-15 Nov]			Varsity 'Kha' W-07 (60)
10-Nov-24	Sunday	<b>Engg. Offline Weekly Exam-08: (P<sub>8</sub>+C<sub>8</sub>+M<sub>8</sub>)</b>		P-10 Part-01	P-10 Part-01 MCQ (15) + Wri. (1)	P-10 Part-01 (15)	
11-Nov-24	Monday	C-09	P-09 MCQ (20) + Wri. (1)	M-10 Part-01	M-10 Part-01 MCQ (15) + Wri. (1)	M-10 Part-01 (15)	
12-Nov-24	Tuesday	-	-	M-10 Part-02	M-10 Part-02 MCQ (15) + Wri. (1)	M-10 Part-02 (15)	
				<b>Engg. Weekly Live Exam-09: (P<sub>9</sub>+C<sub>9</sub>+M<sub>9</sub>) [12-18 Nov]</b>			Engg. W-09 (50)
				Varsity 'KA' Weekly Live Exam-09: (P <sub>9</sub> +C <sub>9</sub> +M <sub>9</sub> +Bio <sub>9</sub> /Ba/ E) [12-18 Nov]			Varsity 'KA' W-09 (60)
13-Nov-24	Wednesday	M-09	C-09 MCQ (20) + Wri. (1)	P-10 Part-02	P-10 Part-02 MCQ (15) + Wri. (1)	P-10 Part-02 (15)	
14-Nov-24	Thursday	-	-	C-10 Part-01	C-10 Part-01 MCQ (15) + Wri. (1)	C-10 Part-01 (15)	
15-Nov-24	Friday	*Bio-09/Arc-09	*Medical Offline Weekly Exam-08: (Bio <sub>8</sub> +C <sub>9</sub> +P <sub>9</sub> +GK+E)	C-10 Part-02	C-10 Part-02 MCQ (15) + Wri. (1)	C-10 Part-02 (15)	
		**Varsity 'Kha' Offline Weekly Exam-07: (E+GK+B)					

**Note: \*Marked class-exams are for students of 'Biology' course.**

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

<ul style="list-style-type: none"> <li>➤ <b>Engineering</b> Offline Daily Exam 15 min. [MCQ (20×1=20); Written (1×10=10)]</li> <li>➤ <b>Engineering</b> Offline Weekly Exam 1 hour 25 min. [MCQ (50×1=50); Written (18×10=180)]</li> <li>➤ <b>Engineering</b> Revision Test [MCQ (1000×1=1000)60min; Written (40×10=400);120min]</li> <li>➤ <b>Medical</b> Offline Weekly Exam 45 min. [MCQ (100×1=100)]</li> <li>➤ <b>Varsity 'KHA'</b> Offline Weekly Exam 1 hour 30 min. [MCQ (60×1=60); Written (40)]</li> <li>➤ <b>To enjoy the online services, just join--:</b> online.udvash-unmesh.com</li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>Engineering</b> Daily Live Exam 14 min. [MCQ (9 Min.)+ Written (5Min.)]</li> <li>➤ <b>Engineering</b> Weekly Live Exam 1 hour 45 min. [MCQ (50×1=50); Written (18×10=180)]</li> <li>➤ <b>Engineering</b> Live Revision Test [MCQ (100×1=100); 60min. Written (40×10=400);2.35min]</li> <li>➤ <b>Varsity 'KA'</b> Weekly Live Exam 1 hour 45 min. [MCQ (60×1=60); Written (40)]</li> <li>➤ <b>Varsity 'KHA'</b> Weekly Live Exam 1 hour 30 min. [MCQ (60×1=60); Written (40)]</li> <li>➤ <b>Medical</b> Weekly Live Exam 45 min. [MCQ (100×1=100)]</li> <li>➤ <b>Engineering Facebook Private Group:</b> <a href="https://cutt.ly/EAP24">https://cutt.ly/EAP24</a></li> </ul>
--	--

### Engineering Syllabus-2024 (Step-02)

Offline Class	Marathon Live	Physics
P-05	Part-01	1st Paper Chapter-06: Gravitation and Gravity [Newton's Law of Gravitation, Gravitational field intensity and potential, Variation of acceleration due to gravity or 'g']
	Part-02	1st Paper Chapter-06: Gravitation and Gravity [Gravitational potential energy, Escape velocity, Artificial satellites with expression of energy, Kepler's Laws]
P-06	Part-01	1st Paper Chapter-07: Structural Properties of Matter [Stress and Strain, Young's Modulus of Elasticity, Rigidity Modulus, Volume or Bulk Modulus, expression of stored energy, Poisson's Ratio]
	Part-02	1st Paper Chapter-08: Periodic Motion [Simple Harmonic Motion (Differential equation, Solution of the differential equation), Quantities relating to velocity and acceleration, Graph, Spring, Simple pendulum, Determination of height of a hill, Quantities relating to power]
P-07	Part-01	1st Paper Chapter-10: Ideal Gas and Kinetics of gases [Boyle's Law, Charles' Law, Law of Pressure, Ideal Gas law of gases]
	Part-02	1st Paper Chapter-10: Ideal Gas and Kinetics of Gases [Kinetic Theory of Gases, Degrees of freedom, Internal Energy, Relative humidity, 2nd Paper Chapter-01: Thermodynamics [Thermometer]
P-08	Part-01	2nd Paper Chapter-01: Thermodynamics [1st Law of Thermodynamics, Work done in different processes, Equations of isothermal and adiabatic processes]
	Part-02	2nd Paper Chapter-01: Thermodynamics [Heat Engine, Carnot's Engine, Refrigerator or Cooler, Change of Entropy in different processes]
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]
<b>Offline Class</b>	<b>Marathon Live</b>	<b>Chemistry</b>
C-05	Part-01	2nd paper Chapter-01: Environmental chemistry [Gas laws, ideal and real gas]
	Part-02	2nd Paper Chapter-01: Environmental chemistry [Diffusion law, Dalton's law of partial pressure, kinetic theory of gas, purity criteria of surface water]
C-06	Part-01	1st Paper Chapter-04: Chemical change [Green chemistry, Chemical equilibrium, $K_p$ , $K_c$ ]
	Part-02	1st Paper Chapter-04: Chemical change [Acid-base equilibrium]
C-07	Part-01	2nd Paper Chapter-04: Electro chemistry [Electro chemistry (Conductivity, Electrolytic cell, Faraday's law)]
	Part-02	2nd Paper Chapter-04: Electro chemistry [Electro chemical cell, cell potential and Nernst's equation] 1st Paper Chapter-05: Vocational chemistry [Food safety and chemistry, preservative and vinegar]
C-08	Part-01	2nd Paper Chapter-02: Organic chemistry [Organic compound and its classification, homologous series, functional group, nomenclature, structural isomerism]
	Part-02	2nd Paper Chapter-02: Organic chemistry [stereo isomerism]
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 its 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]

<b>Offline Class</b>	<b>Marathon live</b>	<b>Math</b>
M-05	Part-01	2nd Paper Chapter-03: Complex Numbers [Exponents of $i$ , series of $i$ , rotation multiplying by $i$ , introduction of complex numbers, Expressing in $A+iB$ form, modulus & argument, polar form, multiplication-division, power of a complex number, complex conjugate]
	Part-02	2nd Paper Chapter-03: Complex Numbers [Root, proof under conditions, determination of value, locus, factorization]
M-06	Part-01	2nd Paper Chapter-04: Polynomial and Polynomial Equations [Introduction to polynomial functions, formulating equations from roots, discriminant of quadratic equations, graphs of polynomial functions, problems related to graphs]
	Part-02	2nd Paper Chapter-04: Polynomial and Polynomial Equations [Relation between root and coefficient, common root, symmetric expressions, symmetric roots]
M-07	Part-01	1st Paper Chapter-07: Trigonometric Ratios of Associated and Compound Angles [Various trigonometric identities, maximum and minimum values, applications of Euler and De Moivre's theorem, graphs and applications of trigonometric functions, trigonometric ratios of associated angles]
	Part-02	1st Paper Chapter-07: Trigonometric Ratios of Associated and Compound Angles [Series, trigonometric ratios of compound, multiple, sub-multiple angles, trigonometric identities and properties of triangles]
M-08	Part-01	2nd Paper Chapter-07: Inverse Trigonometric Function & Trigonometric Equations [Graphs, domain-range, value, proof and problems related to solution of inverse trigonometric function; all formula related to trigonometric equation]
	Part-02	2nd paper Chapter-07: Inverse Trigonometric Function & Trigonometric Equation [All problems related to solving trigonometric equation]
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]

### Biology Syllabus-2024 (Step-02)

<b>Offline Class</b>	<b>Marathon Live</b>	<b>Biology</b>
Bio-05	Part-01	2nd Paper Chapter-01 : Animal Diversity and Classification
	Part-02	2nd Paper Chapter-02 : Animal Identity (Grasshopper)
Bio-06	Part-01	1st Paper Chapter-08 : Tissue and Tissue System
	Part-02	1st Paper Chapter-07 : Gymnosperms and Angiosperms
Bio-07	Part-01	2nd Paper Chapter-07 : Human Physiology : Locomotion and Movement [Up to Muscle Tissue]
	Part-02	2nd Paper Chapter-07 : Human Physiology : Locomotion and Movement [From Muscle Tissue to End] 2nd Paper Chapter-05 : Human Physiology : Respiration and Breathing
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

<b>Offline Class</b>	<b>Marathon Live</b>	<b>English</b>
E-01	Part-01	Part of speech Detection, Preposition & Conjunction, Synonym & Antonym (A-D)
	Part-02	Noun, Pronoun, Gender & Number, Appropriate preposition (A-B)

### Architecture Syllabus-2024 (Step-02)

<b>Offline &amp; Marathon Live Class</b>	<b>Architecture</b>
Arc-06	Visual perception 2 [Intermediate level spatial intelligence related problem solving including 3D orientation of a form, mirror image, rotated shape, directionality, map navigation.]
Arc-07	Typography and logo [Basics of typography, lettering and (Introduction to logos, generating ideas behind a logo. Logo Designing commercial, social, logos and enhanced work on idea generations)]
Arc-08	Poster Book Cover [Poster (Basics of poster, focusing on typography, and practicing poster for political, awareness, programme) Book cover (Practice and enhanced work on Lettering. Page layout and compose. Practicing design of A-06 various books, magazine and publications)]

Arc-09	Human Figure Basics [Human figure (learning period- Introducing proportion and scale comparing a human body with its head. Practicing stick figure and detailing parts of body) Human figure (Observation period. Enhanced work on stick figure. Practicing human figure drawing from different perspective and posture. Drawing different human activity)]
Arc-10	Human figure 2 [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)]

### Bangla & English Syllabus for Varsity 'KA' Weekly Exam (Step-2)

Week	Lecture	Syllabus
Week-06	Bangla	বাংলা ১ম পত্র- (বায়ান্নর দিনগুলো, রেইনকোট), বাংলা ২য় পত্র- বাংলা ভাষার ব্যাকরণিক শব্দশ্রেণি, উপসর্গ, ক্রিয়ার কাল, ক্রিয়ার ভাব, ক্রিয়া-বিভক্তি।
	English	Adverb & Inversion, Idiom & Phrase, Voice, Narration, Transformation
Week-07	Bangla	বাংলা ১ম পত্র- (আমি কিংবদন্তির কথা বলছি)। বাংলা ২য় পত্র- সমাস, পারিভাষিক শব্দ, সংখ্যাবাচক শব্দ, শব্দজোড়।
	English	Tag Question, Group Verb, Synonym & Antonym (I-U), Appropriate Preposition (G-P)
Week-08	Bangla	বাংলা ১ম পত্র- (মানব কল্যাণ, আঠার বছর বয়স), বাংলা ২য় পত্র- ধনির পরিবর্তন, বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধ প্রয়োগ, সমার্থক শব্দ।
	English	Article & Determiner, Suffix-Prefix, Dangling Modifier, Redundancy
Week-09	Bangla	বাংলা ১ম পত্র- <b>উপন্যাস:</b> লালসালু। বাংলা ২য় পত্র- শব্দের শ্রেণিবিভাগ, ধাতু, প্রকৃতি ও প্রত্যয়,
	English	Sentence Correction, One Word Substitution, Pinpoint Error Detection, Analogy, Parallelism

### GK & English Syllabus for Medical Weekly Exam (Step-2)

Week	Lecture	Syllabus
Week-05	GK	Awards for the Liberation War, Recognition to Bangladesh, Liberation War-based Books, Songs, Films, and Sculptures, Father of the Nation Bangabandhu Sheikh Mujibur Rahman. [Ref: GKE QB, Page (41-49)]
	English	Tense & Its identification, Uses of Modal Auxiliaries, Phrases & Clauses, Synonym & Antonym (G-H), Appropriate preposition. (E-G) [Ref: GKE QB, Page (153-159)]
Week-06	GK	Education System, Health and Medical System of Bangladesh, Population of Bangladesh, Economy and Budget, Trade, Import-Export. [Ref: GKE QB, Page (50-60)]
	English	Sentence & Its Classification, Sequence of tense, Sub-verb agreement, Appropriate preposition (H-L), Synonym & Antonym (I-P). [Ref: GKE QB, Page (160-175)]
Week-07	GK	BEPZA, Banking, Insurance, and Monetary System, NGO, Industry and Factory, Constitution of Bangladesh and Constitutional Positions, Various Ministries, Bangladesh Local Government System, Division and District Introduction, National Parliament [Ref: GKE QB, Page (61-72)].
	English	Conditionals, Right form of Verbs, Causative Verb, Subjunctive, Narration, Idiom & Phrase, Appropriate preposition (M-S), Synonym & Antonym (Q-R). [Ref: GKE QB, Page (176-194)]
Week-08	GK	Law and Judiciary Department of Bangladesh, Various Commissions, Bangladesh's Achievements, Various Treaties and Charters of Bangladesh, Foreign Policy and Diplomatic us of Bangladesh. [Ref: GKE QB, Page (73-78)]
	English	Voice, Group Verb, Transformation of Sentence, Appropriate preposition (T-Z), Synonym & Antonym (S-Z). [Ref: GKE QB, Page (195-209)]

### Bangla, English & GK Weekly Syllabus for Varsity 'Kha' Special Course (Step-2)

Week	Lecture	Syllabus
Week-05	Bangla	বাংলা ১ম পত্র: কবিতা: তাহায়েই পড়ে মনে। লিখিত প্রস্তুতি: কবিতার মূলভাব লিখন, উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি। বাংলা ২য় পত্র: সন্ধি, শব্দদ্বিত্ব, বাক্য প্রকরণ, বাগধারা ও প্রবাদ-প্রবচন; (পৃ.৪৬৭ – পৃ.৪৬৯)। লিখিত প্রস্তুতি: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।
	English	Verb & Its Types, Causative & Linking, Figure of Speech, Different Genres of Literary Text. Unit- 3 (Lesson: 2), Appropriate Preposition (J-K), Idioms & Phrases (J-K), Vocabulary (J-K), Spelling (J-K), Group Verbs (J-K)
	GK (বাংলাদেশ বিষয়াবলি)	Non-Cooperation Movement, Historic March 7th, Declaration of Independence, Mujibnagar Government, Strategy of the Liberation War, Intellectual Massacre, Final Victory And Surrender Of The Pakistani Army, Role Of World Opinion And Media In The Liberation War, Gallantry Awards For Contributions In The Liberation War; Literature, Writings, Films, And Sculptures Based On The Liberation War, Final Victory And Surrender Of The Pakistani Army, Role Of World Opinion And Media In The Liberation War, Gallantry Awards For Contributions In The Liberation War; Literature, Writings, Films, And Sculptures Based On The Liberation War
Week-06	Bangla	বাংলা ১ম পত্র: গদ্য: বিলাসী। লিখিত প্রস্তুতি: পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ব্যাখ্যা, লেখক পরিচিতি। বাংলা ২য় পত্র: বাংলা ভাষার ব্যাকরণিক শব্দশ্রেণি, উপসর্গ, শব্দজোড়। লিখিত প্রস্তুতি: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত), সারাংশ/সারমর্ম।
	English	Verbals (Gerund vs Participle & Verbal Noun) & Modals, Right Forms of Verbs, Sentence Completion, Unit- 4 (Lesson: 3) Unit- 4 (Lesson: 4); Unit- 8 (Lesson: 1), Appropriate Preposition (L-M), Idioms & Phrases (L-M), Vocabulary (L-M), Spelling (L-M), Group Verbs (L-M)
	GK (আন্তর্জাতিক বিষয়াবলি)	League Of Nations, Background Of The Formation Of The United Nations, Components Of The United Nations, Organizations Of The United Nations, United Nations Trusts And Projects, United Nations And Bangladesh, MDGs And SDGs, Bretton Woods Conference, WB, IMF, GATT & WTO, ADB, IsDB, NDB, AIB, ECB, EU, BRICS, OPEC, OPEC Plus, G-7,G-20, G-77, D-8, BENELUX, ECO, USMCA, IRRI, IJO & IJSG, Bretton Woods Conference, WB, IMF, GATT & WTO, ADB, IsDB, NDB, AIB, ECB, EU, BRICS, OPEC, OPEC Plus, G-7,G-20, G-77, D-8, BENELUX, ECO, USMCA, IRRI, IJO & IJSG, RCEP
Week-07	Bangla	বাংলা ১ম পত্র: গদ্য: রেইনকোট। লিখিত প্রস্তুতি: পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ব্যাখ্যা, লেখক পরিচিতি। বাংলা ২য় পত্র: ক্রিয়ার কাল, ক্রিয়ার ভাব, ক্রিয়া-বিভক্তি, বাংলা অনুজ্ঞা, পারিভাষিক শব্দ; (পৃ.৪৯২ – পৃ.৪৯৪)। লিখিত প্রস্তুতি: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত), ভাব-সম্প্রসারণ লিখন।
	English	Tense & Sequence of Tense, Subjunctive, Subject Verb Agreement, Unit- 4 (Lesson: 5) Unit- 5 (Lesson: 1), Appropriate Preposition (N-P), Idioms & Phrases (N-P), Vocabulary (N-P), Spelling (N-P), Group Verbs (N-P)
	GK (বাংলাদেশ বিষয়াবলি)	Locations-Boundaries, Geographical Nicknames And Land Ports, National Affairs Of Bangladesh, Geography Of Bangladesh, Weather And Climate, Natural Disasters, Hills And Mountains, Valleys, Waterfalls And Springs, Rivers Of Bangladesh, Islands, Sandbars, Wetlands, Haors And Lakes, Agricultural Resources, Mineral Resources, Power And Energy, Fisheries, Livestock, Forest Resources, Water Resources, Population, Census And Housing Enumeration; Nation, Tribe, And Ethnic Minorities.

### Syllabus for Varsity 'Kha' Monthly Evaluation Test-01

সাবজেক্ট	সিলেবাস
Bangla	Varsity 'Kha' Weekly Exam (01-04)
English	Varsity 'Kha' Weekly Exam (01-04)
GK	Varsity 'Kha' Weekly Exam (01-04)

### Syllabus for Varsity 'Kha' Written Special Exam-01

Subject	Syllabus
Bangla Written Special Exam-01	Varsity 'Kha' Weekly Exam (01-04)
English Written Special Exam-01	Varsity 'Kha' Weekly Exam (01-04)



## Engineering + Biology Admission Program-2024

## Step-02: Class &amp; Exam Routine (14 October-15 November)

Date	Day	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)	
10-Oct-24	Thursday	<b>All classes and exams will be postponed on October 10 to October 13 on the occasion of Autumnal Durga Puja.</b>					
11-Oct-24	Friday						
12-Oct-24	Saturday						
13-Oct-24	Sunday						
14-Oct-24	Monday	Engg. Revision Test-01: PCM Lecture (01-04) MCQ (100) + Wri. (400);180 min.		Live Engg. Revision Test-01: PCM Lecture (01-04) MCQ (100) + Wri. (400);180 min. [14 Oct]		Rev.Test-01: MCQ (100)	
15-Oct-24	Tuesday	M-05	C-05 MCQ (20) + Wri. (1)	C-06 Part-01	C-06 Part-01 MCQ (15) + Wri. (1)	C-06 Part-01	
				C-06 Part-02	C-06 Part-02 MCQ (15) + Wri. (1)	C-06 Part-02 (15)	
				<b>Engg. Weekly Live Exam-05: (P<sub>5</sub>+C<sub>5</sub>+M<sub>5</sub>) [15-21 Oct]</b>		Engg. W-05 (50)	
16-Oct-24	Wednesday	**Varsity 'Kha' Offline Weekly Exam-04: (E+GK+B)		Varsity 'KA' Weekly Live Exam-05: (P <sub>5</sub> +C <sub>5</sub> +M <sub>5</sub> +Bio <sub>5</sub> /Ba/ E) [15-21 Oct]		Varsity 'KA' W-05 (60)	
				E-01 Part-01+02	E-01 MCQ (30) + Wri. (2)	E-01 (30)	
				Architecture-06 (3:00pm)		-	
17-Oct-24	Thursday	P-05	M-05 MCQ (20) + Wri. (1)	Varsity 'KHA' Monthly live Evaluation Test-01: Ba+E+GK (1-4);90 min. [17-18 Oct]		Var. 'KHA' Monthly Evaluation Test-01 (60)	
				M-06 Part- 01	M-06 Part-01 MCQ (15) + Wri. (1)	M-06 Part-01 (15)	
18-Oct-24	Friday	*Bio-05/Arc-05	*Medical Offline Weekly Exam-04:(Bio <sub>4</sub> +C <sub>4S</sub> +P <sub>4S</sub> +GK+E)	M-06 Part- 02	M-06 Part-02 MCQ (15) + Wri. (1)	M-06 Part-02 (15)	
		**Varsity 'Kha' Offline Monthly Evaluation Test-01: Ba+E+GK (1-4);90 min.					
19-Oct-24	Saturday	-	-	*Bio-06 Part-01+02	*Bio-06 MCQ (30) + Wri. (2)	*Bio-06 (30)	
				Architecture-07 (3:00pm)		-	
				Medical Weekly Live Exam-05: (Bio <sub>5</sub> +C <sub>5S</sub> +P <sub>5S</sub> +GK+E) [19-25 Oct]	Medical W-05(100)		
20-Oct-24	Sunday	P-06	P-05 MCQ (20) + Wri. (1)	Varsity 'KHA' Written Special Exam-01: Wri.SP Ba-01 (40)+Wri.SP E-01 (40);1.40 min. [19-25 Oct]		-	
				P-07 Part-01	P-07 Part-01 MCQ (15) + Wri. (1)	P-07 Part-01 (15)	
21-Oct-24	Monday	<b>Engg. Offline Weekly Exam-05: (P<sub>5</sub>+C<sub>5</sub>+M<sub>5</sub>)</b>		M-07 Part- 01	M-07 Part-01 MCQ (15) + Wri. (1)	M-07 Part-01 (15)	
22-Oct-24	Tuesday	C-06	P-06 MCQ (20) + Wri. (1)	M-07 Part- 02	M-07 Part-02 MCQ (15) + Wri. (1)	M-07 Part-02 (15)	
				<b>Engg. Weekly Live Exam-06: (P<sub>6</sub>+C<sub>6</sub>+M<sub>6</sub>) [22-28 Oct]</b>		Engg. W-06 (50)	
				Varsity 'KA' Weekly Live Exam-06: (P <sub>6</sub> +C <sub>6</sub> +M <sub>6</sub> +Bio <sub>6</sub> /Ba/ E) [22-28 Oct]		Varsity 'KA' W-06 (60)	
23-Oct-24	Wednesday	-	-	P-07 Part-02	P-07 Part-02 MCQ (15) + Wri. (1)	P-07 Part-02 (15)	
24-Oct-24	Thursday	M-06	C-06 MCQ (20) + Wri. (1)	C-07 Part-01	C-07 Part-01 MCQ (15) + Wri. (1)	C-07 Part-01 (15)	
25-Oct-24	Friday	*Bio-06/Arc-06	*Medical Offline Weekly Exam-05: (Bio <sub>5</sub> +C <sub>6</sub> +P <sub>6</sub> +GK+E)	C-07 Part-02	C-07 Part-02 MCQ (15) + Wri. (1)	C-07 Part-02 (15)	
		Varsity 'KHA' Written Special Exam-01: Wri.SP Ba-01 (40)+Wri.SP E-01 (40); 90 min.					
26-Oct-24	Saturday	-	-	*Bio-07 Part-01+02	*Bio-07 MCQ (30) + Wri. (2)	*Bio-07 (30)	
				Architecture-08 (3:00pm)		-	
				Medical Weekly Live Exam-06: (Bio <sub>6</sub> +C <sub>7</sub> +P <sub>7</sub> +GK+E) [26 Oct-01 Nov]	Medical W-06(100)		
27-Oct-24	Sunday	M-07	M-06 MCQ (20) + Wri. (1)	Varsity 'Kha' Weekly Live Exam-05: (E+GK+B) [26 Oct-01 Nov]		Varsity 'Kha' W-05 (60)	
				P-08 Part-01	P-08 Part-01 MCQ (15) + Wri. (1)	P-08 Part-01 (15)	
28-Oct-24	Monday	<b>Engg. Offline Weekly Exam-06: (P<sub>6</sub>+C<sub>6</sub>+M<sub>6</sub>)</b>		M-08 Part-01	M-08 Part-01 MCQ (15) + Wri. (1)	M-08 Part-01 (15)	
29-Oct-24	Tuesday	P-07	M-07 MCQ (20) + Wri. (1)	M-08 Part-02	M-08 Part-02 MCQ (15) + Wri. (1)	M-08 Part-02 (15)	
				<b>Engg. Weekly Live Exam-07: (P<sub>7</sub>+C<sub>7</sub>+M<sub>7</sub>) [29 Oct-04 Nov]</b>		Engg. W-07 (50)	
30-Oct-24	Wednesday	-	-	Varsity 'KA' Weekly Live Exam-07: (P <sub>7</sub> +C <sub>7</sub> +M <sub>7</sub> +Bio <sub>7</sub> /Ba/ E) [29 Oct-04 Nov]		Varsity 'KA' W-07 (60)	
				P-08 Part-02	P-08 Part-02 MCQ (15) + Wri. (1)	P-08 Part-02 (15)	
31-Oct-24	Thursday	C-07	P-07 MCQ (20) + Wri. (1)	C-08 Part-01	C-08 Part-01 MCQ (15) + Wri. (1)	C-08 Part-01 (15)	

01-Nov-24	Friday	*Bio-07/Arc-07	*Medical Offline Weekly Exam-06: (Bio <sub>6</sub> +C <sub>7</sub> +P <sub>7</sub> +GK+E)	C-08 Part-02	C-08 Part-02 MCQ (15) + Wri. (1)	C-08 Part-02 (15)	
		**Varsity 'Kha' Offline Weekly Exam-05: (E+GK+B)					
02-Nov-24	Saturday	-	-	*Bio-08 Part-01+02	*Bio-08 MCQ (30) + Wri. (2)	*Bio-08 (30)	
				Architecture-09 (3:00pm)			-
				Medical Weekly Live Exam-07: (Bio <sub>7</sub> +C <sub>8</sub> +P <sub>8</sub> +GK+E) [02-07 Nov]			Medical W-07(100)
				Varsity 'Kha' Weekly Live Exam-06: (E+GK+B) [02-07 Nov]			Varsity 'Kha' W-06 (60)
03-Nov-24	Sunday	C-08	C-07 MCQ (20) + Wri. (1)	P-09 Part- 01	P-09 Part-01 MCQ (15) + Wri. (1)	P-09 Part-01 (15)	
04-Nov-24	Monday	<b>Engg. Offline Weekly Exam-07: (P<sub>7</sub>+C<sub>7</sub>+M<sub>7</sub>)</b>		M-09 Part-01	M-09 Part-01 MCQ (15) + Wri. (2)	M-09 Part-01 (15)	
05-Nov-24	Tuesday	M-08	C-08 MCQ (20) + Wri. (1)	M-09 Part-02	M-09 Part-02 MCQ (15) + Wri. (2)	M-09 Part-02 (15)	
				<b>Engg. Weekly Live Exam-08: (P<sub>8</sub>+C<sub>8</sub>+M<sub>8</sub>) [05-11 Nov]</b>			Engg. W-08 (50)
				Varsity 'KA' Weekly Live Exam-08: (P <sub>8</sub> +C <sub>8</sub> +M <sub>8</sub> +Bio <sub>8</sub> /Ba/ E) [03-09 Nov]			Varsity 'KA' W-08 (60)
06-Nov-24	Wednesday	-	-	P-09 Part-02	P-09 Part-02 MCQ (15) + Wri. (1)	P-09 Part-02 (15)	
07-Nov-24	Thursday	P-08	M-08 MCQ (20) + Wri. (1)	C-09 Part-01	C-09 Part-01 MCQ (15) + Wri. (1)	C-09 Part-01 (15)	
08-Nov-24	Friday	*Bio-08/Arc-08	*Medical Offline Weekly Exam-07: (Bio <sub>7</sub> +C <sub>8</sub> +P <sub>8</sub> +GK+E)	C-09 Part-02	C-09 Part-02 MCQ (15) + Wri. (1)	C-09 Part-02 (15)	
		**Varsity 'Kha' Offline Weekly Exam-06: (E+GK+B)					
09-Nov-24	Saturday	-	-	*Bio-09 Part-01+02	*Bio-09 MCQ (30) + Wri. (2)	*Bio-09 (30)	
				Architecture-10 (3:00pm)			-
				Medical Weekly Live Exam-08: (Bio <sub>8</sub> +C <sub>9</sub> +P <sub>9</sub> +GK+E) [09-15 Nov]			Medical W-08(100)
				Varsity 'Kha' Weekly Live Exam-07: (E+GK+B) [09-15 Nov]			Varsity 'Kha' W-07 (60)
10-Nov-24	Sunday	P-09	P-08 MCQ (20) + Wri. (1)	P-10 Part-01	P-10 Part-01 MCQ (15) + Wri. (1)	P-10 Part-01 (15)	
11-Nov-24	Monday	<b>Engg. Offline Weekly Exam-08: (P<sub>8</sub>+C<sub>8</sub>+M<sub>8</sub>)</b>		M-10 Part-01	M-10 Part-01 MCQ (15) + Wri. (1)	M-10 Part-01 (15)	
12-Nov-24	Tuesday	C-09	P-09 MCQ (20) + Wri. (1)	M-10 Part-02	M-10 Part-02 MCQ (15) + Wri. (1)	M-10 Part-02 (15)	
				<b>Engg. Weekly Live Exam-09: (P<sub>9</sub>+C<sub>9</sub>+M<sub>9</sub>) [12-18 Nov]</b>			Engg. W-09 (50)
				Varsity 'KA' Weekly Live Exam-09: (P <sub>9</sub> +C <sub>9</sub> +M <sub>9</sub> +Bio <sub>9</sub> /Ba/ E) [12-18 Nov]			Varsity 'KA' W-09 (60)
13-Nov-24	Wednesday	-	-	P-10 Part-02	P-10 Part-02 MCQ (15) + Wri. (1)	P-10 Part-02 (15)	
14-Nov-24	Thursday	M-09	C-09 MCQ (20) + Wri. (1)	C-10 Part-01	C-10 Part-01 MCQ (15) + Wri. (1)	C-10 Part-01 (15)	
15-Nov-24	Friday	*Bio-09/Arc-09	*Medical Offline Weekly Exam-08: (Bio <sub>8</sub> +C <sub>9</sub> +P <sub>9</sub> +GK+E)	C-10 Part-02	C-10 Part-02 MCQ (15) + Wri. (1)	C-10 Part-02 (15)	
		**Varsity 'Kha' Offline Weekly Exam-07: (E+GK+B)					

**Note: \*Marked class-exams are for students of 'Biology' course.**

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

<ul style="list-style-type: none"> <li>➤ <b>Engineering</b> Offline Daily Exam 15 min. [MCQ (20×1=20); Written (1×10=10)]</li> <li>➤ <b>Engineering</b> Offline Weekly Exam 1 hour 25 min. [MCQ (50×1=50); Written (18×10=180)]</li> <li>➤ <b>Engineering</b> Revision Test [MCQ (1000×1=1000)60min; Written (40×10=400);120min]</li> <li>➤ <b>Medical</b> Offline Weekly Exam 45 min. [MCQ (100×1=100)]</li> <li>➤ <b>Varsity 'KHA'</b> Offline Weekly Exam 1 hour 30 min. [MCQ (60×1=60); Written (40)]</li> <li>➤ <b>To enjoy the online services, just join-:</b> online.udvash-unmesh.com</li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>Engineering</b> Daily Live Exam 14 min. [MCQ (9 Min.)+ Written (5Min.)</li> <li>➤ <b>Engineering</b> Weekly Live Exam 1 hour 45 min. [MCQ (50×1=50); Written (18×10=180)]</li> <li>➤ <b>Engineering</b> Live Revision Test [MCQ (100×1=100); 60min. Written (40×10=400);2.35min]</li> <li>➤ <b>Varsity 'KA'</b> Weekly Live Exam 1 hour 45 min. [MCQ (60×1=60); Written (40)]</li> <li>➤ <b>Varsity 'KHA'</b> Weekly Live Exam 1 hour 30 min. [MCQ (60×1=60); Written (40)]</li> <li>➤ <b>Medical</b> Weekly Live Exam 45 min. [MCQ (100×1=100)]</li> <li>➤ <b>Engineering Facebook Private Group:</b> <a href="https://cutt.ly/EAP24">https://cutt.ly/EAP24</a></li> </ul>
---	---

### Engineering Syllabus-2024 (Step-02)

Offline Class	Marathon Live	Physics
P-05	Part-01	1st Paper Chapter-06: Gravitation and Gravity [Newton's Law of Gravitation, Gravitational field intensity and potential, Variation of acceleration due to gravity or 'g']
	Part-02	1st Paper Chapter-06: Gravitation and Gravity [Gravitational potential energy, Escape velocity, Artificial satellites with expression of energy, Kepler's Laws]
P-06	Part-01	1st Paper Chapter-07: Structural Properties of Matter [Stress and Strain, Young's Modulus of Elasticity, Rigidity Modulus, Volume or Bulk Modulus, expression of stored energy, Poisson's Ratio]
	Part-02	1st Paper Chapter-08: Periodic Motion [Simple Harmonic Motion (Differential equation, Solution of the differential equation), Quantities relating to velocity and acceleration, Graph, Spring, Simple pendulum, Determination of height of a hill, Quantities relating to power]
P-07	Part-01	1st Paper Chapter-10: Ideal Gas and Kinetics of gases [Boyle's Law, Charles' Law, Law of Pressure, Ideal Gas law of gases]
	Part-02	1st Paper Chapter-10: Ideal Gas and Kinetics of Gases [Kinetic Theory of Gases, Degrees of freedom, Internal Energy, Relative humidity, 2nd Paper Chapter-01: Thermodynamics [Thermometer]
P-08	Part-01	2nd Paper Chapter-01: Thermodynamics [1st Law of Thermodynamics, Work done in different processes, Equations of isothermal and adiabatic processes]
	Part-02	2nd Paper Chapter-01: Thermodynamics [Heat Engine, Carnot's Engine, Refrigerator or Cooler, Change of Entropy in different processes]

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]
<b>Offline Class</b>	<b>Marathon Live</b>	<b>Chemistry</b>
C-05	Part-01	2nd paper Chapter-01: Environmental chemistry [Gas laws, ideal and real gas]
	Part-02	2nd Paper Chapter-01: Environmental chemistry [Diffusion law, Dalton's law of partial pressure, kinetic theory of gas, purity criteria of surface water]
C-06	Part-01	1st Paper Chapter-04: Chemical change [Green chemistry, Chemical equilibrium, $K_p$ , $K_c$ ]
	Part-02	1st Paper Chapter-04: Chemical change [Acid-base equilibrium]
C-07	Part-01	2nd Paper Chapter-04: Electro chemistry [Electro chemistry (Conductivity, Electrolytic cell, Faraday's law)]
	Part-02	2nd Paper Chapter-04: Electro chemistry [Electro chemical cell, cell potential and Nernst's equation] 1st Paper Chapter-05: Vocational chemistry [Food safety and chemistry, preservative and vinegar]
C-08	Part-01	2nd Paper Chapter-02: Organic chemistry [Organic compound and its classification, homologous series, functional group, nomenclature, structural isomerism]
	Part-02	2nd Paper Chapter-02: Organic chemistry [stereo isomerism]
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 its 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]

<b>Offline Class</b>	<b>Marathon live</b>	<b>Math</b>
M-05	Part-01	2nd Paper Chapter-03: Complex Numbers [Exponents of $i$ , series of $i$ , rotation multiplying by $i$ , introduction of complex numbers, Expressing in $A+iB$ form, modulus & argument, polar form, multiplication-division, power of a complex number, complex conjugate]
	Part-02	2nd Paper Chapter-03: Complex Numbers [Root, proof under conditions, determination of value, locus, factorization]
M-06	Part-01	2nd Paper Chapter-04: Polynomial and Polynomial Equations [Introduction to polynomial functions, formulating equations from roots, discriminant of quadratic equations, graphs of polynomial functions, problems related to graphs]
	Part-02	2nd Paper Chapter-04: Polynomial and Polynomial Equations [Relation between root and coefficient, common root, symmetric expressions, symmetric roots]
M-07	Part-01	1st Paper Chapter-07: Trigonometric Ratios of Associated and Compound Angles [Various trigonometric identities, maximum and minimum values, applications of Euler and De Moivre's theorem, graphs and applications of trigonometric functions, trigonometric ratios of associated angles]
	Part-02	1st Paper Chapter-07: Trigonometric Ratios of Associated and Compound Angles [Series, trigonometric ratios of compound, multiple, sub-multiple angles, trigonometric identities and properties of triangles]
M-08	Part-01	2nd Paper Chapter-07: Inverse Trigonometric Function & Trigonometric Equations [Graphs, domain-range, value, proof and problems related to solution of inverse trigonometric function; all formula related to trigonometric equation]
	Part-02	2nd paper Chapter-07: Inverse Trigonometric Function & Trigonometric Equation [All problems related to solving trigonometric equation]
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]

### Biology Syllabus-2024 (Step-02)

<b>Offline Class</b>	<b>Marathon Live</b>	<b>Biology</b>
Bio-05	Part-01	2nd Paper Chapter-01 : Animal Diversity and Classification
	Part-02	2nd Paper Chapter-02 : Animal Identity (Grasshopper)
Bio-06	Part-01	1st Paper Chapter-08 : Tissue and Tissue System
	Part-02	1st Paper Chapter-07 : Gymnosperms and Angiosperms
Bio-07	Part-01	2nd Paper Chapter-07 : Human Physiology : Locomotion and Movement [Up to Muscle Tissue]
	Part-02	2nd Paper Chapter-07 : Human Physiology : Locomotion and Movement [From Muscle Tissue to End] 2nd Paper Chapter-05 : Human Physiology : Respiration and Breathing
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

<b>Offline Class</b>	<b>Marathon Live</b>	<b>English</b>
E-01	Part-01	Part of speech Detection, Preposition & Conjunction, Synonym & Antonym (A-D)
	Part-02	Noun, Pronoun, Gender & Number, Appropriate preposition (A-B)

### Architecture Syllabus-2024 (Step-02)

<b>Offline &amp; Marathon Live Class</b>	<b>Architecture</b>
Arc-06	Visual perception 2 [Intermediate level spatial intelligence related problem solving including 3D orientation of a form, mirror image, rotated shape, directionality, map navigation.]
Arc-07	Typography and logo [Basics of typography, lettering and (Introduction to logos, generating ideas behind a logo. Logo Designing commercial, social, logos and enhanced work on idea generations)]
Arc-08	Poster Book Cover [Poster (Basics of poster, focusing on typography, and practicing poster for political, awareness, programme) Book cover (Practice and enhanced work on Lettering. Page layout and compose. Practicing design of A-06 various books, magazine and publications)]

Arc-09	Human Figure Basics [Human figure (learning period- Introducing proportion and scale comparing a human body with its head. Practicing stick figure and detailing parts of body) Human figure (Observation period. Enhanced work on stick figure. Practicing human figure drawing from different perspective and posture. Drawing different human activity)]
Arc-10	Human figure 2 [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)]

### Bangla & English Syllabus for Varsity 'KA' Weekly Exam (Step-2)

Week	Lecture	Syllabus
Week-06	Bangla	বাংলা ১ম পত্র- (বায়ান্নর দিনগুলো, রেইনকোট), বাংলা ২য় পত্র- বাংলা ভাষার ব্যাকরণিক শব্দশ্রেণি, উপসর্গ, ক্রিয়ার কাল, ক্রিয়ার ভাব, ক্রিয়া-বিভক্তি।
	English	Adverb & Inversion, Idiom & Phrase, Voice, Narration, Transformation
Week-07	Bangla	বাংলা ১ম পত্র- (আমি কিংবদন্তির কথা বলছি)। বাংলা ২য় পত্র- সমাস, পারিভাষিক শব্দ, সংখ্যাবাচক শব্দ, শব্দজোড়।
	English	Tag Question, Group Verb, Synonym & Antonym (I-U), Appropriate Preposition (G-P)
Week-08	Bangla	বাংলা ১ম পত্র- (মানব কল্যাণ, আঠার বছর বয়স), বাংলা ২য় পত্র- ধ্বনির পরিবর্তন, বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধ প্রয়োগ, সমার্থক শব্দ।
	English	Article & Determiner, Suffix-Prefix, Dangling Modifier, Redundancy
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

### GK & English Syllabus for Medical Weekly Exam (Step-2)

Week	Lecture	Syllabus
Week-05	GK	Awards for the Liberation War, Recognition to Bangladesh, Liberation War-based Books, Songs, Films, and Sculptures, Father of the Nation Bangabandhu Sheikh Mujibur Rahman. [Ref: GKE QB, Page (41-49)]
	English	Tense & Its identification, Uses of Modal Auxiliaries, Phrases & Clauses, Synonym & Antonym (G-H), Appropriate preposition. (E-G) [Ref: GKE QB, Page (153-159)]
Week-06	GK	Education System, Health and Medical System of Bangladesh, Population of Bangladesh, Economy and Budget, Trade, Import-Export. [Ref: GKE QB, Page (50-60)]
	English	Sentence & Its Classification, Sequence of tense, Sub-verb agreement, Appropriate preposition (H-L), Synonym & Antonym (I-P). [Ref: GKE QB, Page (160-175)]
Week-07	GK	BEPZA, Banking, Insurance, and Monetary System, NGO, Industry and Factory, Constitution of Bangladesh and Constitutional Positions, Various Ministries, Bangladesh Local Government System, Division and District Introduction, National Parliament [Ref: GKE QB, Page (61-72)].
	English	Conditionals, Right form of Verbs, Causative Verb, Subjunctive, Narration, Idiom & Phrase, Appropriate preposition (M-S), Synonym & Antonym (Q-R). [Ref: GKE QB, Page (176-194)]
Week-08	GK	Law and Judiciary Department of Bangladesh, Various Commissions, Bangladesh's Achievements, Various Treaties and Charters of Bangladesh, Foreign Policy and Diplomatic us of Bangladesh. [Ref: GKE QB, Page (73-78)]
	English	Voice, Group Verb, Transformation of Sentence, Appropriate preposition (T-Z), Synonym & Antonym (S-Z). [Ref: GKE QB, Page (195-209)]

### Bangla, English & GK Weekly Syllabus for Varsity 'Kha' Special Course (Step-2)

Week	Lecture	Syllabus
Week-05	Bangla	বাংলা ১ম পত্র: কবিতা: তাহেরই পড়ে মনে। লিখিত প্রস্তুতি: কবিতার মূলভাব লিখন, উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি। বাংলা ২য় পত্র: সন্ধি, শব্দদ্বিত্ব, বাক্য প্রকরণ, বাগ্‌ধারা ও প্রবাদ-প্রবচন; (পৃ.৪৬৭ – পৃ.৪৬৯)। লিখিত প্রস্তুতি: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।
	English	Verb & Its Types, Causative & Linking, Figure of Speech, Different Genres of Literary Text. Unit- 3 (Lesson: 2), Appropriate Preposition (J-K), Idioms & Phrases (J-K), Vocabulary (J-K), Spelling (J-K), Group Verbs (J-K)
	GK (বাংলাদেশ বিষয়াবলি)	Non-Cooperation Movement, Historic March 7th, Declaration of Independence, Mujibnagar Government, Strategy of the Liberation War, Intellectual Massacre, Final Victory And Surrender Of The Pakistani Army, Role Of World Opinion And Media In The Liberation War, Gallantry Awards For Contributions In The Liberation War; Literature, Writings, Films, And Sculptures Based On The Liberation War, Final Victory And Surrender Of The Pakistani Army, Role Of World Opinion And Media In The Liberation War, Gallantry Awards For Contributions In The Liberation War; Literature, Writings, Films, And Sculptures Based On The Liberation War
Week-06	Bangla	বাংলা ১ম পত্র: গদ্য: বিলাসী। লিখিত প্রস্তুতি: পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ব্যাখ্যা, লেখক পরিচিতি। বাংলা ২য় পত্র: বাংলা ভাষার ব্যাকরণিক শব্দশ্রেণি, উপসর্গ, শব্দজোড়। লিখিত প্রস্তুতি: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত), সারাংশ/সারমর্ম।
	English	Verbals (Gerund vs Participle & Verbal Noun) & Modals, Right Forms of Verbs, Sentence Completion, Unit- 4 (Lesson: 3) Unit- 4 (Lesson: 4); Unit- 8 (Lesson: 1), Appropriate Preposition (L-M), Idioms & Phrases (L-M), Vocabulary (L-M), Spelling (L-M), Group Verbs (L-M)
	GK (আন্তর্জাতিক বিষয়াবলি)	League Of Nations, Background Of The Formation Of The United Nations, Components Of The United Nations, Organizations Of The United Nations, United Nations Trusts And Projects, United Nations And Bangladesh, MDGs And SDGs, Bretton Woods Conference, WB, IMF, GATT & WTO, ADB, IsDB, NDB, AIB, ECB, EU, BRICS, OPEC, OPEC Plus, G-7, G-20, G-77, D-8, BENELUX, ECO, USMCA, IRR, IJO & IJSG, Bretton Woods Conference, WB, IMF, GATT & WTO, ADB, IsDB, NDB, AIB, ECB, EU, BRICS, OPEC, OPEC Plus, G-7, G-20, G-77, D-8, BENELUX, ECO, USMCA, IRR, IJO & IJSG, RCEP
Week-07	Bangla	বাংলা ১ম পত্র: গদ্য: রেইনকোট। লিখিত প্রস্তুতি: পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ব্যাখ্যা, লেখক পরিচিতি। বাংলা ২য় পত্র: ক্রিয়ার কাল, ক্রিয়ার ভাব, ক্রিয়া-বিভক্তি, বাংলা অনুপুঞ্জ, পারিভাষিক শব্দ; (পৃ.৪৯২ – পৃ.৪৯৪)। লিখিত প্রস্তুতি: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত), ভাব-সম্প্রসারণ লিখন।
	English	Tense & Sequence of Tense, Subjunctive, Subject Verb Agreement, Unit- 4 (Lesson: 5) Unit- 5 (Lesson: 1), Appropriate Preposition (N-P), Idioms & Phrases (N-P), Vocabulary (N-P), Spelling (N-P), Group Verbs (N-P)
	GK (বাংলাদেশ বিষয়াবলি)	Locations-Boundaries, Geographical Nicknames And Land Ports, National Affairs Of Bangladesh, Geography Of Bangladesh, Weather And Climate, Natural Disasters, Hills And Mountains, Valleys, Waterfalls And Springs, Rivers Of Bangladesh, Islands, Sandbars, Wetlands, Haors And Lakes, Agricultural Resources, Mineral Resources, Power And Energy, Fisheries, Livestock, Forest Resources, Water Resources, Population, Census And Housing Enumeration; Nation, Tribe, And Ethnic Minorities.

### Syllabus for Varsity 'Kha' Monthly Evaluation Test-01

সাবজেক্ট	সিলেবাস
Bangla	Varsity 'Kha' Weekly Exam (01-04)
English	Varsity 'Kha' Weekly Exam (01-04)
GK	Varsity 'Kha' Weekly Exam (01-04)

### Syllabus for Varsity 'Kha' Written Special Exam-01

Subject	Syllabus
Bangla Written Special Exam-01	Varsity 'Kha' Weekly Exam (01-04)
English Written Special Exam-01	Varsity 'Kha' Weekly Exam (01-04)