

## Engineering + Biology Admission Program-2024

## Step-03: Class &amp; Exam Routine (09 November 15 December)

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)	
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-09 (6:30pm)			-
				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>9</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)	
				M-10 Part-02	M-10 Part-02 MCQ (15) + Wri. (1)	M-10 Part-02 (15)	
12-Nov-24	Tuesday	-	-	<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)	
				Live Engg. Revision Test-02: PCM Lecture (05-08) MCQ (100) + Wri. (400);180 min. [13-14 Nov]			Rev.Test-02: MCQ (100)
14-Nov-24	Thursday	Engg. Revision Test-02: PCM Lecture (05-08) MCQ (100) + Wri. (400);180 min.		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)					
16-Nov-24	Saturday	M-10	M-09 MCQ (20) + Wri. (1)	*Bio-10 Part-01+02	*Bio-10 MCQ (30) + Wri. (2)	*Bio-10 (30)	
				Architecture-10 (6:30pm)			-
				Medical Weekly Live Exam-09: (Bio <sub>9</sub> +C <sub>10</sub> +P <sub>10</sub> +GK+E) [16-22 Nov]			Medical W-09(100)
				Varsity 'Kha' Weekly Live Exam-08: (E+GK+B) [16-22 Nov]			Varsity 'Kha' W-08(60)
17-Nov-24	Sunday	<b>Engg. Offline Weekly Exam-09: (P<sub>9</sub>+C<sub>9</sub>+M<sub>9</sub>)</b>		P-11 Part-01	P-11 Part-01 MCQ (15) + Wri. (1)	P-11 Part-01 (15)	
18-Nov-24	Monday	P-10	M-10 MCQ (20) + Wri. (1)	M-11 Part-01	M-11 Part-01 MCQ (15) + Wri. (1)	M-11 Part-01 (15)	
				M-11 Part-02	M-11 Part-02 MCQ (15) + Wri. (1)	M-11 Part-02 (15)	
19-Nov-24	Tuesday	-	-	<b>Engg. Weekly Live Exam-10: (P<sub>10</sub>+C<sub>10</sub>+M<sub>10</sub>) [19-25 Nov]</b>		Engg. W-10 (50)	
				Varsity 'KA' Weekly Live Exam-10: (P <sub>10</sub> +C <sub>10</sub> +M <sub>10</sub> +Bio <sub>10</sub> /Ba/E) [19-25 Nov]		Varsity 'KA' W-10(60)	
20-Nov-24	Wednesday	C-10	P-10 MCQ (20) + Wri. (1)	P-11 Part-02	P-11 Part-02 MCQ (15) + Wri. (1)	P-11 Part-02 (15)	
21-Nov-24	Thursday	-	-	C-11 Part-01	C-11 Part-01 MCQ (15) + Wri. (1)	C-11 Part-01 (15)	
22-Nov-24	Friday	*Bio-10/Arc-10	*Medical Offline Weekly Exam-09: (Bio <sub>9</sub> +C <sub>10</sub> +P <sub>10</sub> +GK+E)	C-11 Part-02	C-11 Part-02 MCQ (15) + Wri. (1)	C-11 Part-02 (15)	
		**Varsity 'Kha' Offline Weekly Exam-08: (E+GK+B)					
23-Nov-24	Saturday	C-11	C-10 MCQ (20) + Wri. (1)	E-02 Part-01+02	E-02 MCQ (30) + Wri. (2)	E-02 (30)	
				Architecture-11 (6:30pm)			-
				Varsity 'KHA' Monthly live Evaluation Test-02: Ba+E+GK (5-8);90 min. [23-29 Oct]			Var. 'KHA' Monthly Evaluation Test-02 (60)
				Varsity 'KHA' Written Special Exam-02: Wri.SP Ba-02 (40)+Wri.SP E-02 (40);1.40 min. [23-29 Oct]			-
24-Nov-24	Sunday	<b>Engg. Offline Weekly Exam-10: (P<sub>10</sub>+C<sub>10</sub>+M<sub>10</sub>)</b>		Medical Weekly Live Exam-10: (Bio <sub>10</sub> +C <sub>11</sub> +P <sub>11</sub> +GK+E) [24-30 Nov]	Medical W-10 (100)		
25-Nov-24	Monday	M-11	C-11 MCQ (20) + Wri. (1)	M-12 Part-01	M-12 Part-01 MCQ (15) + Wri. (1)	M-12 Part-01 (15)	
				M-12 Part-02	M-12 Part-02 MCQ (15) + Wri. (1)	M-12 Part-02 (15)	
26-Nov-24	Tuesday	-	-	E-03 Part-01+02	E-03 MCQ (30) + Wri. (2)	E-03 (30)	
				<b>Engg. Weekly Live Exam-11: (P<sub>11</sub>+C<sub>11</sub>+M<sub>11</sub>) [26 Nov 02 Dec]</b>		Engg. W-11 (50)	
27-Nov-24	Wednesday	P-11	M-11 MCQ (20) + Wri. (1)	P-12 Part-01	P-12 Part-01 MCQ (15) + Wri. (1)	P-12 Part-01 (15)	
28-Nov-24	Thursday	-	-	P-12 Part-02	P-12 Part-02 MCQ (15) + Wri. (1)	P-12 Part-02 (15)	
29-Nov-24	Friday	Arc-11	*Medical Offline Weekly Exam-10: (Bio <sub>10</sub> +C <sub>11</sub> +P <sub>11</sub> +GK+E)	E-04 Part-01+02	E-04 MCQ (30) + Wri. (2)	E-04 (30)	
		**Varsity 'Kha' Offline Monthly Evaluation Test-02: Ba+E+GK (5-8);90 min.					
		Varsity 'KHA' Written Special Exam-02: Wri.SP Ba-02 (40)+Wri.SP E-02 (40); 90 min.					
30-Nov-24	Saturday	P-12	P-11 MCQ (20) + Wri. (1)	Architecture-12 (6:30pm)			
				Varsity 'Kha' Weekly Live Exam-09: (E+GK+B) [30 Nov 06 Dec]			Varsity 'Kha' W-09(60)
				M-13 Part-01	M-13 Part-01 MCQ (15) + Wri. (1)	M-13 Part-01 (15)	
01-Dec-24	Sunday	<b>Engg. Offline Weekly Exam-11: (P<sub>11</sub>+C<sub>11</sub>+M<sub>11</sub>)</b>		M-13 Part-02	M-13 Part-02 MCQ (15) + Wri. (1)	M-13 Part-02 (15)	
02-Dec-24	Monday	E-01	P-12 MCQ (20) + Wri. (1)	-	-	-	
03-Dec-24	Tuesday	-	-	*Bio-11 Part-01+02	*Bio-11 MCQ (30) + Wri. (2)	*Bio-11 (30)	

				Engg. Weekly Live Exam-12: (P <sub>12</sub> +M <sub>12</sub> +M <sub>13</sub> ) [03-09 Dec]	Engg. W-12 (50)
04-Dec-24	Wednesday	M-12	E-01 MCQ (20) + Wri. (1)	-	-
05-Dec-24	Thursday	-	-	*Bio-12 Part-01+02	*Bio-12 MCQ (30) + Wri. (2)
06-Dec-24	Friday	Arc-12	**Varsity 'Kha' Offline Weekly Exam-09: (E+GK+B)	-	-
07-Dec-24	Saturday	M-13	M-12 MCQ (20) + Wri. (1)	*Bio-13 Part-01+02	*Bio-13 MCQ (30) + Wri. (2)
				Architecture-13+14 (6:30pm)	
				Varsity 'Kha' Weekly Live Exam-10: (E+GK+B) [07-13 Dec]	Varsity 'Kha' W-10 (60)
08-Dec-24	Sunday	-	-	-	-
09-Dec-24	Monday	E-02	M-13 MCQ (20) + Wri. (1)	*Bio-14 Part-01+02	*Bio-14 MCQ (30) + Wri. (2)
10-Dec-24	Tuesday	-	-	-	-
11-Dec-24	Wednesday	E-03	E-02 MCQ (20) + Wri. (1)	-	-
12-Dec-24	Thursday	Engg. Offline Weekly Exam-12: (P <sub>12</sub> +M <sub>12</sub> +M <sub>13</sub> )		Live Engg. Revision Test-03:PCM Lecture (09-13) MCQ (100) + Wri. (400);180 min. [12-15 Nov]	
13-Dec-24	Friday	E-04/Arc-13+14	E-03 MCQ (20) + Wri. (1)	-	-
		**Varsity 'Kha' Offline Weekly Exam-10: (E+GK+B)		-	-
14-Dec-24	Saturday			Varsity 'Kha' Weekly Live Exam-11: (E+GK+B) [14-20 Dec]	Varsity 'Kha' W-11 (60)
15-Dec-24	Sunday	Engg. Revision Test-03:PCM Lecture (09-13) MCQ (100) + Wri. (400);180 min.		-	-

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-03)

Offline Class	Marathon Live	Physics
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-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 its derivatives, amine]

Offline Class	Marathon live	Math
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 <sup>th</sup> 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]

### Biology Syllabus-2024 (Step-03)

Offline Class	Marathon Live	Biology
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	<b>1st Paper</b> Chapter-02 : Cell Division
	Part-02	<b>1st Paper</b> Chapter-11 : Biotechnology
Bio-11 (Extra Syllabus)	Part-01	Chapter-08 : Human Physiology : Coordination & Control (Nervous Coordination, Human Sensory Organs) (2 <sup>nd</sup> Paper)
	Part-02	Chapter-08 : Human Physiology : Coordination & Control (Chemical Coordination) (2 <sup>nd</sup> Paper) Chapter-06 : Human Physiology : Wastes & Elimination (2 <sup>nd</sup> Paper)
Bio-12 (Extra Syllabus)	Part-01	Chapter-03 : Cell Chemistry (1 <sup>st</sup> Paper)
	Part-02	Chapter-12 : Environment, Distribution and Conservation of Living Organisms (1 <sup>st</sup> Paper)
Bio-13 (Extra Syllabus)	Part-01	Chapter-10 : Protection of Human Body (Immunity) (2 <sup>nd</sup> Paper)
	Part-02	Chapter-09 : Continuation of Human Life (2 <sup>nd</sup> Paper) Chapter-12 : Animal Behavior (2 <sup>nd</sup> Paper)
Bio-14 (Extra Syllabus)	Part-01	Chapter-05 : Algae and Fungi (1 <sup>st</sup> Paper)
	Part-02	Chapter-06 : Bryophyta and Pteridophyta (1 <sup>st</sup> Paper) Chapter-10 : Plant Reproduction (1 <sup>st</sup> Paper)

Offline Class	Marathon Live	English
E-01	Part-01	Part of speech Detection, Preposition & Conjunction, Synonym & Antonym (A-D)
	Part-02	Noun, Pronoun, Gender & Number, Appropriate preposition (A-B)
E-02	Part-01	Verb, Gerund & Verbal noun, Participle, Modal auxiliaries, Appropriate preposition (C-F)
	Part-02	Sub-verb agreement, Right form of verbs, Spelling, Synonym & Antonym (E-H)
E-03	Part-01	Subjunctive and causative, Conditionals, Affirmative & Negative agreement, Tense & Sequence of tense, Idiom & Phrase, Synonym & Antonym (I-P), Appropriate preposition (G-K)
	Part-02	Voice, Narration, Transformation, Tag question, Adjective & Comparison of degrees, Adverb & Inversion, Group Verb, Synonym & Antonym (Q-U), Appropriate preposition (L-P)
E-04	Part-01	Dangling modifier, Phrase & Clause, Analogy, Parallelism, Sentence correction, One word substitution, Synonym & Antonym (W-Z), Appropriate preposition (Q-Z)
	Part-02	Article & Determiner, Suffix-prefix, Redundancy, Pin Point error detection, Miscellaneous Literature, Proverb, Translation

### Architecture Syllabus-2024 (Step-03)

Offline & Marathon Live Class	Architecture
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)]
Arc-11	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)]
Arc-12	1point perspective [Practicing one point interior and exterior drawing. Focusing on building and streets]
Arc-13	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)]
Arc-14	2point perspective exterior [Practicing two point exterior drawing], Scene drawing [Scenario Drawing (Drawing scenario with one/ two-point perspective and human figure. Key to draw scenario)]

### Bangla & English Syllabus for Varsity 'KA' Weekly Exam (Step-3)

Week	Lecture	Syllabus
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
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-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)]
Week-09	GK	Famous Institutions of Bangladesh, Art and Culture of Bangladesh, Bangla Newspapers, Bangla Literature, Famous Persons of Bangladesh, Best 20 in BBC Survey. [Ref: GKE QB, Page (79-94)]
	English	Tag question, Parallelism, One-word substitution, Dangling modifier, Redundancy, Embedded Question, Analogy, Commonly Misused Words, Pin Point Error, Foreign Word. [Ref: GKE QB, Page (226-240)]
Week-10	GK	Historical Places and Scenic Architecture, Communication System and Information Technology, Defense and Armed Forces, Award and Honourium, Sports of Bangladesh, National and Other Days, Notable and Memorable Events of Bangladesh, The first, Largest and Smallest of Bangladesh, Full Form: Bangladesh. [Ref: GKE QB, Page (95-107)]
	English	Articles, Literature, Sentence Completion, Suffix & Prefix, Proverb, Translation, Grammatical Error. [Ref: GKE QB, Page (241-280)]

### Bangla, English & GK Weekly Syllabus for Varsity 'Kha' Special Course (Step-3)

Week	Lecture	Syllabus
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 বিষয়বলি (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 (Bangladesh Affairs)	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, Agricultural Resources, Mineral Resources, Power And Energy, Fisheries, Livestock, Forest Resources, Water Resources, Population, Census And Housing Enumeration; Nation, Tribe, And Ethnic Minorities
Week-08	Bangla	<b>বাংলা ১ম পত্র: কবিতা:</b> আমি কিংবদন্তির কথা বলছি। <b>লিখিত প্রশ্ন:</b> কবিতার মূলভাব লিখন, কবিতার উদ্ভূত ব্যাখ্যা, লেখক পরিচিতি। <b>বাংলা ২য় পত্র:</b> সমাস, পারিভাষিক শব্দ; (পৃ.৪৯৫ – পৃ.৪৯৭)। <b>লিখিত প্রশ্ন:</b> ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত), অনুবাদ।
	English	Completing Sentence, Preposition & Conjunction, Linkers & Connectors, Modifiers, Unit- 5 (Lesson: 2), Unit- 5 (Lesson: 3), Appropriate Preposition (Q-S), Idioms & Phrases (Q-S), Vocabulary (Q-S), Spelling (Q-S), Group Verbs (Q-S)
	GK (International Affairs)	SAARC, ASEAN, BIMSTEC, CIRDP, APEC, BCIM, ACU, NAM, Commonwealth, CIS, SCO, OAS, APA, OIC, Arab League, GCC, AU, Red Cross, Rotary International, Transparency International, Oxfam, Amnesty International, CARE, USAID, Orbis, SCOUT, Human Rights Watch, OIC, Arab League, GCC, AU, Red Cross, Rotary International, Transparency International, Oxfam, Amnesty International, CARE, USAID, Orbis, SCOUT, Human Rights Watch
Week-09	Bangla	<b>বাংলা ১ম পত্র: গদ্য:</b> মানব-কল্যাণ, <b>কবিতা:</b> ফেব্রুয়ারি ১৯৬৯। <b>লিখিত প্রশ্ন:</b> পাঠের মূলভাব লিখন, কবিতার উদ্ভূত ব্যাখ্যা, লেখক পরিচিতি, মিলকরণ। <b>বাংলা ২য় পত্র:</b> ধ্বনির পরিবর্তন, সংখ্যাবাচক শব্দ, উক্তি, বাচ্য, প্রতিশব্দ; (পৃ.৪৫৭ – পৃ.৪৫৯ ‘ঘ’ পর্যন্ত)। <b>লিখিত প্রশ্ন:</b> ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।
	English	Adverb & Inversion, Redundancy, Negative & Affirmative Agreement, Common Mistakes, Unit- 6 (Lesson: 1), Unit- 6 (Lesson: 2), Appropriate Preposition (T-V), Idioms & Phrases (T-V), Vocabulary (T-V), Spelling (T-V), Group Verbs (T-V)
	GK (Bangladesh Affairs)	History Of Constitution Drafting, Important Articles Of The Constitution, Constitutional Amendments, Constitutional Posts And Institutions; Executive, Legislative, And Judicial Branches, Political Parties and Interest Groups, Electoral System Of Bangladesh, Economic System Of Bangladesh, Budget And Economic Survey, Banks, Insurance, And Capital Markets, Tax And Revenue System, Development Planning, Industrial Sector Of Bangladesh, Import And Export, Export Processing Zones
Week-10	Bangla	<b>বাংলা ১ম পত্র: গদ্য:</b> মাসি-পিসি, <b>কবিতা:</b> আঠারো বছর বয়স। <b>লিখিত প্রশ্ন:</b> গদ্য/কবিতার মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি। <b>বাংলা ২য় পত্র:</b> বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধ প্রয়োগ, লিঙ্গান্তর, প্রতিশব্দ; (পৃ.৪৫৯ ‘চ’ থেকে – পৃ.৪৬১)। <b>লিখিত প্রশ্ন:</b> ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।
	English	Phrase (Types & Identification), Suffix-Prefix, Same Word Different Parts of Speech (Part-1), Unit- 6 (Lesson: 3), Unit- 6 (Lesson: 4, 5), Appropriate Preposition (W-Z), Idioms & Phrases (W-Z), Vocabulary (W-Z), Spelling (W-Z), Group Verbs (W-Z)
	GK (International Affairs)	International Police Organizations, International Intelligence Agencies, International Guerrilla Organizations, Various Independence Movements, Geopolitics And Recent Crises, First World War, Second World War, Cold War And Other Wars, Revolutions, NATO, Warsaw Pact, ANZUS, QUAD, AUKUS, CENTO, SEATO, Arms Control Organizations (IAEA, OPCW, WMD), Important Treaties And Charters, Disarmament Agreements
Week-11	Bangla	<b>বাংলা ১ম পত্র: উপন্যাস:</b> লালসালু। <b>লিখিত প্রশ্ন:</b> পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি। <b>বাংলা ২য় পত্র:</b> শব্দের শ্রেণিবিভাগ, ধাতু, প্রকৃতি ও প্রত্যয়, বিপরীত শব্দ; (পৃ.৪৫১ – পৃ.৪৫২)। <b>লিখিত প্রশ্ন:</b> ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত), সংক্ষিপ্ত অনুচ্ছেদ লিখন-কৌশল।
	English	Clause (Types & Identification), Tag Question, Interchange of Part of Speech, Same Word Different Parts of Speech (Part-2), Unit- 7 (Lesson: 1), Unit- 7 (Lesson: 2, 3, 4), Foreign Words
	GK (Bangladesh Affairs)	Education System Of Bangladesh, Healthcare System Of Bangladesh, Communication System Of Bangladesh, Postal And Telecommunications System, Defense System Of Bangladesh, Notable Personalities Of Bangladesh, Important Institutions And Organizations Of Bangladesh, Historical Sites And Attractions Of Bangladesh, Sculptors And Sculptures, Media, Art And Entertainment, Literature And Culture, National And International Achievements Of Bangladesh, Medals And Awards, Sports In Bangladesh, Days, Firsts, Largest, And Smallest Of Bangladesh, Full-forms: Bangladesh
Week-12	Bangla	<b>বাংলা ১ম পত্র: নাটক:</b> সিরাজউদ্দৌলা। <b>লিখিত প্রশ্ন:</b> পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ব্যাখ্যা, লেখক পরিচিতি। <b>বাংলা ২য় পত্র:</b> কারক ও বিভক্তি, হ্রস্ব ও অলংকার, বিপরীত শব্দ; (পৃ.৪৫৩ – পৃ.৪৫৪)। <b>লিখিত প্রশ্ন:</b> ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।
	English	Voice, Transformation, Sentence Correction (Part-1), One Word Substitution (Part-1), Unit- 7 (Lesson: 5); Unit- 8 (Lesson: 2, 3, 4)
	GK (International Affairs)	Global Warming, Greenhouse Effect And Climate Change, Environmental Organizations, Environmental Conferences, Environmental Treaties, Protocols, And Conventions, Industries, Resources, And Economy Of The World, Transportation And Communication Systems Of The World, Airlines, World Of Sports, Awards And Honors, Famous Paintings And Painters, Media Of The World, Museums, Libraries, Religion And Religious Matters, Architecture And Sculpture, Women's World, Famous Quotes, Notable Books, Famous Personalities And Titles, Daily Science, Solar System, Firsts, Largest, And Smallest Of The World, International Days, Full-forms: International

### Syllabus for Varsity 'Kha' Monthly Evaluation Test-02

Subject	Syllabus
Bangla	Varsity 'Kha' Weekly Exam (05-08)
English	Varsity 'Kha' Weekly Exam (05-08)
GK	Varsity 'Kha' Weekly Exam (05-08)

### Syllabus for Varsity 'Kha' Written Special Exam-02

Subject	Syllabus
Bangla Written Special Exam-02	Varsity 'Kha' Weekly Exam (05-08)
English Written Special Exam-02	Varsity 'Kha' Weekly Exam (05-08)

### Syllabus for Engineering Revision Test-03

Subject	Syllabus
Physics	Engineering Weekly Exam (09-12)
Chemistry	Engineering Weekly Exam (09-11)
Math	Engineering Weekly Exam (09-13)



## Engineering + Biology Admission Program-2024

## Step-03: Class &amp; Exam Routine (09 November 15 December)

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)	
09-Nov-24	Saturday	-	-	*Bio-09 Part-01+02	*Bio-09 MCQ (30) + Wri. (2)	*Bio-09 (30)	
				Architecture-09 (6:30pm)			-
				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	Engg. Offline Weekly Exam-08: (P <sub>8</sub> +C <sub>8</sub> +M <sub>8</sub> )		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)	
				Engg. Weekly Live Exam-09: (P <sub>9</sub> +C <sub>9</sub> +M <sub>9</sub> ) [12-18 Nov]			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	Engg. Revision Test-02: PCM Lecture (05-08) MCQ (100) + Wri. (400);180 min.		P-10 Part-02	P-10 Part-02 MCQ (15) + Wri. (1)	P-10 Part-02 (15)	
				Live Engg. Revision Test-02: PCM Lecture (05-08) MCQ (100) + Wri. (400);180 min. [13-14 Nov]		Rev.Test-02: MCQ (100)	
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)					
16-Nov-24	Saturday	-	-	*Bio-10 Part-01+02	*Bio-10 MCQ (30) + Wri. (2)	*Bio-10 (30)	
				Architecture-10 (6:30pm)			-
				Medical Weekly Live Exam-09: (Bio <sub>9</sub> +C <sub>10</sub> +P <sub>10</sub> +GK+E) [16-22 Nov]	Medical W-09(100)		
				Varsity 'Kha' Weekly Live Exam-08: (E+GK+B) [16-22 Nov]	Varsity 'Kha' W-08(60)		
17-Nov-24	Sunday	M-10	M-09 MCQ (20) + Wri. (1)	P-11 Part-01	P-11 Part-01 MCQ (15) + Wri. (1)	P-11 Part-01 (15)	
18-Nov-24	Monday	Engg. Offline Weekly Exam-09: (P <sub>9</sub> +C <sub>9</sub> +M <sub>9</sub> )		M-11 Part-01	M-11 Part-01 MCQ (15) + Wri. (1)	M-11 Part-01 (15)	
19-Nov-24	Tuesday	P-10	M-10 MCQ (20) + Wri. (1)	M-11 Part-02	M-11 Part-02 MCQ (15) + Wri. (1)	M-11 Part-02 (15)	
				Engg. Weekly Live Exam-10: (P <sub>10</sub> +C <sub>10</sub> +M <sub>10</sub> ) [19-25 Nov]			Engg. W-10 (50)
				Varsity 'KA' Weekly Live Exam-10: (P <sub>10</sub> +C <sub>10</sub> +M <sub>10</sub> +Bio <sub>10</sub> /Ba/E) [19-25 Nov]	Varsity 'KA' W-10(60)		
20-Nov-24	Wednesday	-	-	P-11 Part-02	P-11 Part-02 MCQ (15) + Wri. (1)	P-11 Part-02 (15)	
21-Nov-24	Thursday	C-10	P-10 MCQ (20) + Wri. (1)	C-11 Part-01	C-11 Part-01 MCQ (15) + Wri. (1)	C-11 Part-01 (15)	
22-Nov-24	Friday	*Bio-10/Arc-10	*Medical Offline Weekly Exam-09: (Bio <sub>9</sub> +C <sub>10</sub> +P <sub>10</sub> +GK+E)	C-11 Part-02	C-11 Part-02 MCQ (15) + Wri. (1)	C-11 Part-02 (15)	
		**Varsity 'Kha' Offline Weekly Exam-08: (E+GK+B)					
23-Nov-24	Saturday	-	-	E-02 Part-01+02	E-02 MCQ (30) + Wri. (2)	E-02 (30)	
				Architecture-11 (6:30pm)			-
				Varsity 'KHA' Monthly live Evaluation Test-02: Ba+E+GK (5-8);90 min. [23-29 Oct]			Var. 'KHA' Monthly Evaluation Test-02 (60)
				Varsity 'KHA' Written Special Exam-02: Wri.SP Ba-02 (40)+Wri.SP E-02 (40);1.40 min. [23-29 Oct]		-	
24-Nov-24	Sunday	C-11	C-10 MCQ (20) + Wri. (1)	Medical Weekly Live Exam-10: (Bio <sub>10</sub> +C <sub>11</sub> +P <sub>11</sub> +GK+E) [24-30 Nov]	Medical W-10 (100)		
25-Nov-24	Monday	-	-	M-12 Part-01	M-12 Part-01 MCQ (15) + Wri. (1)	M-12 Part-01 (15)	
				Engg. Offline Weekly Exam-10: (P <sub>10</sub> +C <sub>10</sub> +M <sub>10</sub> )			M-12 Part-02 (15)
				M-12 Part-02	M-12 Part-02 MCQ (15) + Wri. (1)	M-12 Part-02 (15)	
26-Nov-24	Tuesday	M-11	C-11 MCQ (20) + Wri. (1)	E-03 Part-01+02	E-03 MCQ (30) + Wri. (2)	E-03 (30)	
				Engg. Weekly Live Exam-11: (P <sub>11</sub> +C <sub>11</sub> +M <sub>11</sub> ) [26 Nov 02 Dec]		Engg. W-11 (50)	
27-Nov-24	Wednesday	-	-	P-12 Part-01	P-12 Part-01 MCQ (15) + Wri. (1)	P-12 Part-01 (15)	
28-Nov-24	Thursday	P-11	M-11 MCQ (20) + Wri. (1)	P-12 Part-02	P-12 Part-02 MCQ (15) + Wri. (1)	P-12 Part-02 (15)	
29-Nov-24	Friday	Arc-11	*Medical Offline Weekly Exam-10: (Bio <sub>10</sub> +C <sub>11</sub> +P <sub>11</sub> +GK+E)	E-04 Part-01+02	E-04 MCQ (30) + Wri. (2)	E-04 (30)	
		**Varsity 'Kha' Offline Monthly Evaluation Test-02: Ba+E+GK (5-8);90 min.					
				Varsity 'KHA' Written Special Exam-02: Wri.SP Ba-02 (40)+Wri.SP E-02 (40); 90 min.			
30-Nov-24	Saturday	-	-	Architecture-12 (6:30pm)			
				Varsity 'Kha' Weekly Live Exam-09: (E+GK+B) [30 Nov 06 Dec]			Varsity 'Kha' W-09(60)
				M-13 Part-01	M-13 Part-01 MCQ (15) + Wri. (1)	M-13 Part-01 (15)	
01-Dec-24	Sunday	P-12	P-11 MCQ (20) + Wri. (1)	M-13 Part-02	M-13 Part-02 MCQ (15) + Wri. (1)	M-13 Part-02 (15)	
02-Dec-24	Monday	Engg. Offline Weekly Exam-11: (P <sub>11</sub> +C <sub>11</sub> +M <sub>11</sub> )		-	-	-	
03-Dec-24	Tuesday	-	-	*Bio-11 Part-01+02	*Bio-11 MCQ (30) + Wri. (2)	*Bio-11 (30)	
		E-01	P-12 MCQ (20) + Wri. (1)	Engg. Weekly Live Exam-12: (P <sub>12</sub> +M <sub>12</sub> +M <sub>13</sub> ) [03-09 Dec]		Engg. W-12 (50)	

04-Dec-24	Wednesday	-	-	-	-	-
05-Dec-24	Thursday	M-12	E-01 MCQ (20) + Wri. (1)	*Bio-12 Part-01+02	*Bio-12 MCQ(30) + Wri. (2)	*Bio-12 (30)
06-Dec-24	Friday	Arc-12	**Varsity 'Kha' Offline Weekly Exam-09: (E+GK+B)	-	-	-
07-Dec-24	Saturday	-	-	*Bio-13 Part-01+02	*Bio-13 MCQ(30) + Wri. (2)	*Bio-13 (30)
				Architecture-13+14 (6:30pm)		-
				Varsity 'Kha' Weekly Live Exam-10: (E+GK+B) [07-13 Dec]		Varsity 'Kha' W-10 (60)
08-Dec-24	Sunday	M-13	M-12 MCQ (20) + Wri. (1)	-	-	-
09-Dec-24	Monday	-	-	*Bio-14 Part-01+02	*Bio-14 MCQ(30) + Wri. (2)	*Bio-14 (30)
10-Dec-24	Tuesday	E-02	M-13 MCQ (20) + Wri. (1)	-	-	-
11-Dec-24	Wednesday	-	-	-	-	-
12-Dec-24	Thursday	E-03	E-02 MCQ (20) + Wri. (1)	Live Engg. Revision Test-03:PCM Lecture (09-13) MCQ (100) + Wri. (400);180 min. [12-15 Nov]		Rev.Test-03: MCQ (100)
13-Dec-24	Friday	E-04/Arc-13+14	E-03 MCQ (20) + Wri. (1)	-	-	-
		**Varsity 'Kha' Offline Weekly Exam-10: (E+GK+B)				
14-Dec-24	Saturday	<b>Engg. Offline Weekly Exam-12: (P<sub>12</sub>+M<sub>12</sub>+M<sub>13</sub>)</b>		Varsity 'Kha' Weekly Live Exam-11: (E+GK+B) [14-20 Dec]		Varsity 'Kha' W-11 (60)
15-Dec-24	Sunday	Engg. Revision Test-03:PCM Lecture (09-13) MCQ (100) + Wri. (400);180 min.		-	-	-

**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-03)

Offline Class	Marathon Live	Physics
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-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 its derivatives, amine]

Offline Class	Marathon live	Math
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 <sup>th</sup> 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]

### Biology Syllabus-2024 (Step-03)

Offline Class	Marathon Live	Biology
Bio-09	Part-01	<b>2nd Paper</b> Chapter-02 : Animals Identity (Hydra, Rohu Fish)
	Part-02	<b>2nd Paper</b> Chapter-11 : Genetics and Evolution
Bio-10	Part-01	<b>1st Paper</b> Chapter-02 : Cell Division

	Part-02	<b>1st Paper</b> Chapter-11 : Biotechnology
Bio-11 (Extra Syllabus)	Part-01	Chapter-08 : Human Physiology : Coordination & Control (Nervous Coordination, Human Sensory Organs) (2 <sup>nd</sup> Paper)
	Part-02	Chapter-08 : Human Physiology : Coordination & Control (Chemical Coordination) (2 <sup>nd</sup> Paper) Chapter-06 : Human Physiology : Wastes & Elimination (2 <sup>nd</sup> Paper)
Bio-12 (Extra Syllabus)	Part-01	Chapter-03 : Cell Chemistry (1 <sup>st</sup> Paper)
	Part-02	Chapter-12 : Environment, Distribution and Conservation of Living Organisms (1 <sup>st</sup> Paper)
Bio-13 (Extra Syllabus)	Part-01	Chapter-10 : Protection of Human Body (Immunity) (2 <sup>nd</sup> Paper)
	Part-02	Chapter-09 : Continuation of Human Life (2 <sup>nd</sup> Paper) Chapter-12 : Animal Behavior (2 <sup>nd</sup> Paper)
Bio-14 (Extra Syllabus)	Part-01	Chapter-05 : Algae and Fungi (1 <sup>st</sup> Paper)
	Part-02	Chapter-06 : Bryophyta and Pteridophyta (1 <sup>st</sup> Paper) Chapter-10 : Plant Reproduction (1 <sup>st</sup> Paper)

Offline Class	Marathon Live	English
E-01	Part-01	Part of speech Detection, Preposition & Conjunction, Synonym & Antonym (A-D)
	Part-02	Noun, Pronoun, Gender & Number, Appropriate preposition (A-B)
E-02	Part-01	Verb, Gerund & Verbal noun, Participle, Modal auxiliaries, Appropriate preposition (C-F)
	Part-02	Sub-verb agreement, Right form of verbs, Spelling, Synonym & Antonym (E-H)
E-03	Part-01	Subjunctive and causative, Conditionals, Affirmative & Negative agreement, Tense & Sequence of tense, Idiom & Phrase, Synonym & Antonym (I-P), Appropriate preposition (G-K)
	Part-02	Voice, Narration, Transformation, Tag question, Adjective & Comparison of degrees, Adverb & Inversion, Group Verb, Synonym & Antonym (Q-U), Appropriate preposition (L-P)
E-04	Part-01	Dangling modifier, Phrase & Clause, Analogy, Parallelism, Sentence correction, One word substitution, Synonym & Antonym (W-Z), Appropriate preposition (Q-Z)
	Part-02	Article & Determiner, Suffix-prefix, Redundancy, Pin Point error detection, Miscellaneous Literature, Proverb, Translation

### Architecture Syllabus-2024 (Step-03)

Offline & Marathon Live Class	Architecture
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)]
Arc-11	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)]
Arc-12	1point perspective [Practicing one point interior and exterior drawing. Focusing on building and streets]
Arc-13	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)]
Arc-14	2point perspective exterior [Practicing two point exterior drawing], Scene drawing [Scenario Drawing (Drawing scenario with one/ two-point perspective and human figure. Key to draw scenario)]

### Bangla & English Syllabus for Varsity 'KA' Weekly Exam (Step-3)

Week	Lecture	Syllabus
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: লালসাল। 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-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)]
Week-09	GK	Famous Institutions of Bangladesh, Art and Culture of Bangladesh, Bangla Newspapers, Bangla Literature, Famous Persons of Bangladesh, Best 20 in BBC Survey. [Ref: GKE QB, Page (79-94)]
	English	Tag question, Parallelism, One-word substitution, Dangling modifier, Redundancy, Embedded Question, Analogy, Commonly Misused Words, Pin Point Error, Foreign Word. [Ref: GKE QB, Page (226-240)]
Week-10	GK	Historical Places and Scenic Architecture, Communication System and Information Technology, Defense and Armed Forces, Award and Honourium, Sports of Bangladesh, National and Other Days, Notable and Memorable Events of Bangladesh, The first, Largest and Smallest of Bangladesh, Full Form: Bangladesh. [Ref: GKE QB, Page (95-107)]
	English	Articles, Literature, Sentence Completion, Suffix & Prefix, Proverb, Translation, Grammatical Error. [Ref: GKE QB, Page (241-280)]

### Bangla, English & GK Weekly Syllabus for Varsity 'Kha' Special Course (Step-3)

Week	Lecture	Syllabus
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 বিষয়বলি (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 (Bangladesh Affairs)	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, Agricultural Resources, Mineral Resources, Power And Energy, Fisheries, Livestock, Forest Resources, Water Resources, Population, Census And Housing Enumeration; Nation, Tribe, And Ethnic Minorities
Week-08	Bangla	<b>বাংলা ১ম পত্র:</b> কবিতা: আমি কিংবদন্তির কথা বলছি। <b>লিখিত প্রস্তুতি:</b> কবিতার মূলভাব লিখন, কবিতার উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি। <b>বাংলা ২য় পত্র:</b> সমাস, পারিভাষিক শব্দ; (পৃ.৪৯৫ – পৃ.৪৯৭)। <b>লিখিত প্রস্তুতি:</b> ব্যাকরণ-সম্পর্কিত বিষয়বলি (সংজ্ঞার্থ ও দৃষ্টান্ত), অনুবাদ।
	English	Completing Sentence, Preposition & Conjunction, Linkers & Connectors, Modifiers, Unit- 5 (Lesson: 2), Unit- 5 (Lesson: 3), Appropriate Preposition (Q-S), Idioms & Phrases (Q-S), Vocabulary (Q-S), Spelling (Q-S), Group Verbs (Q-S)
	GK (International Affairs)	SAARC, ASEAN, BIMSTEC, CIRDAP, APEC, BCIM, ACU, NAM, Commonwealth, CIS, SCO, OAS, APA, OIC, Arab League, GCC, AU, Red Cross, Rotary International, Transparency International, Oxfam, Amnesty International, CARE, USAID, Orbis, SCOUT, Human Rights Watch, OIC, Arab League, GCC, AU, Red Cross, Rotary International, Transparency International, Oxfam, Amnesty International, CARE, USAID, Orbis, SCOUT, Human Rights Watch
Week-09	Bangla	<b>বাংলা ১ম পত্র:</b> গদ্য: মানব-কল্যাণ, <b>কবিতা:</b> ফেব্রুয়ারি ১৯৬৯। <b>লিখিত প্রস্তুতি:</b> পাঠের মূলভাব লিখন, কবিতার উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি, মিলকরণ। <b>বাংলা ২য় পত্র:</b> ধ্বনির পরিবর্তন, সংখ্যাবাচক শব্দ, উক্তি, বাচ্য, প্রতিশব্দ; (পৃ.৪৫৭ – পৃ.৪৫৯ ‘ঘ’ পর্যন্ত)। <b>লিখিত প্রস্তুতি:</b> ব্যাকরণ-সম্পর্কিত বিষয়বলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।
	English	Adverb & Inversion, Redundancy, Negative & Affirmative Agreement, Common Mistakes, Unit- 6 (Lesson: 1), Unit- 6 (Lesson: 2), Appropriate Preposition (T-V), Idioms & Phrases (T-V), Vocabulary (T-V), Spelling (T-V), Group Verbs (T-V)
	GK (Bangladesh Affairs)	History Of Constitution Drafting, Important Articles Of The Constitution, Constitutional Amendments, Constitutional Posts And Institutions; Executive, Legislative, And Judicial Branches, Political Parties and Interest Groups, Electoral System Of Bangladesh, Economic System Of Bangladesh, Budget And Economic Survey, Banks, Insurance, And Capital Markets, Tax And Revenue System, Development Planning, Industrial Sector Of Bangladesh, Import And Export, Export Processing Zones
Week-10	Bangla	<b>বাংলা ১ম পত্র:</b> গদ্য: মাসি-পিসি, <b>কবিতা:</b> আঠারো বছর বয়স। <b>লিখিত প্রস্তুতি:</b> গদ্য/কবিতার মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি। <b>বাংলা ২য় পত্র:</b> বাংলা ভাষার অপপ্রয়োগ ও শুদ্ধ প্রয়োগ, লিঙ্গান্তর, প্রতিশব্দ; (পৃ.৪৫৯ ‘চ’ থেকে – পৃ.৪৬১)। <b>লিখিত প্রস্তুতি:</b> ব্যাকরণ-সম্পর্কিত বিষয়বলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।
	English	Phrase (Types & Identification), Suffix-Prefix, Same Word Different Parts of Speech (Part-1), Unit- 6 (Lesson: 3), Unit- 6 (Lesson: 4, 5), Appropriate Preposition (W-Z), Idioms & Phrases (W-Z), Vocabulary (W-Z), Spelling (W-Z), Group Verbs (W-Z)
	GK (International Affairs)	International Police Organizations, International Intelligence Agencies, International Guerrilla Organizations, Various Independence Movements, Geopolitics And Recent Crises, First World War, Second World War, Cold War And Other Wars, Revolutions, NATO, Warsaw Pact, ANZUS, QUAD, AUKUS, CENTO, SEATO, Arms Control Organizations (IAEA, OPCW, WMD), Important Treaties And Charters, Disarmament Agreements
Week-11	Bangla	<b>বাংলা ১ম পত্র:</b> উপন্যাস: লালসালু। <b>লিখিত প্রস্তুতি:</b> পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি। <b>বাংলা ২য় পত্র:</b> শব্দের শ্রেণিবিভাগ, ধাতু, প্রকৃতি ও প্রত্যয়, বিপরীত শব্দ; (পৃ.৪৫১ – পৃ.৪৫২)। <b>লিখিত প্রস্তুতি:</b> ব্যাকরণ-সম্পর্কিত বিষয়বলি (সংজ্ঞার্থ ও দৃষ্টান্ত), সংক্ষিপ্ত অনুচ্ছেদ লিখন-কৌশল।
	English	Clause (Types & Identification), Tag Question, Interchange of Part of Speech, Same Word Different Parts of Speech (Part-2), Unit- 7 (Lesson: 1), Unit- 7 (Lesson: 2, 3, 4), Foreign Words
	GK (Bangladesh Affairs)	Education System Of Bangladesh, Healthcare System Of Bangladesh, Communication System Of Bangladesh, Postal And Telecommunications System, Defense System Of Bangladesh, Notable Personalities Of Bangladesh, Important Institutions And Organizations Of Bangladesh, Historical Sites And Attractions Of Bangladesh, Sculptors And Sculptures, Media, Art And Entertainment, Literature And Culture, National And International Achievements Of Bangladesh, Medals And Awards, Sports In Bangladesh, Days, Firsts, Largest, And Smallest Of Bangladesh, Full-forms: Bangladesh
Week-12	Bangla	<b>বাংলা ১ম পত্র:</b> নাটক: সিরাজউদ্দৌলা। <b>লিখিত প্রস্তুতি:</b> পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ব্যাখ্যা, লেখক পরিচিতি। <b>বাংলা ২য় পত্র:</b> কারক ও বিভক্তি, ছন্দ ও অলংকার, বিপরীত শব্দ; (পৃ.৪৫৩ – পৃ.৪৫৪)। <b>লিখিত প্রস্তুতি:</b> ব্যাকরণ-সম্পর্কিত বিষয়বলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।
	English	Voice, Transformation, Sentence Correction (Part-1), One Word Substitution (Part-1), Unit- 7 (Lesson: 5); Unit- 8 (Lesson: 2, 3, 4)
	GK (International Affairs)	Global Warming, Greenhouse Effect And Climate Change, Environmental Organizations, Environmental Conferences, Environmental Treaties, Protocols, And Conventions, Industries, Resources, And Economy Of The World, Transportation And Communication Systems Of The World, Airlines, World Of Sports, Awards And Honors, Famous Paintings And Painters, Media Of The World, Museums, Libraries, Religion And Religious Matters, Architecture And Sculpture, Women's World, Famous Quotes, Notable Books, Famous Personalities And Titles, Daily Science, Solar System, Firsts, Largest, And Smallest Of The World, International Days, Full-forms: International

### Syllabus for Varsity 'Kha' Monthly Evaluation Test-02

Subject	Syllabus
Bangla	Varsity 'Kha' Weekly Exam (05-08)
English	Varsity 'Kha' Weekly Exam (05-08)
GK	Varsity 'Kha' Weekly Exam (05-08)

### Syllabus for Varsity 'Kha' Written Special Exam-02

Subject	Syllabus
Bangla Written Special Exam-02	Varsity 'Kha' Weekly Exam (05-08)
English Written Special Exam-02	Varsity 'Kha' Weekly Exam (05-08)

### Syllabus for Engineering Revision Test-03

Subject	Syllabus
Physics	Engineering Weekly Exam (09-12)
Chemistry	Engineering Weekly Exam (09-11)
Math	Engineering Weekly Exam (09-13)