

## Engineering Admission Program-2023

## Class &amp; Exam Routine (25 October to 16 November)

Date	Day	Offline Class (Self Batch Time)	Offline Daily Exam (Self Batch Time)	Marathon Live Class (EV-3pm & BV-8pm)	Daily Live Exam (Same Day 11pm to Next Day 11pm)	Practice Exam (Exam Date 6am to Program End)
25-Oct-23	Wednesday	Offline Weekly Exam-02: (P <sub>2</sub> +C <sub>2</sub> +M <sub>2</sub> ) MCQ (50×1=50); Written (18×10=180); 1:25 Min.		P-04 Part-01	P-04 Part-01 MCQ (15Q) + Wri. (1Q)	-
26-Oct-23	Thursday	M-03	C-03 MCQ (20Q) + Wri. (1Q)	P-04 Part-02	P-04 Part-02 MCQ (15Q) + Wri. (1Q)	-
				Engg. Weekly Live Exam-03: (P <sub>3</sub> +C <sub>3</sub> +M <sub>3</sub> ) [26 Oct-01 Nov] MCQ (50×1=50); Written (18×10=180); 1:50 Min.		Engg. MCQ W-03 (50) Adv. MCQ W-03 (25)
27-Oct-23	Friday	*Bio-03/Arc-03	*Bio-02 MCQ (10Q) + Wri. (1Q)	*Bio-04 Part-01	*Bio-04 Part-01 MCQ (15Q) + Wri. (1Q)	-
		Medical Standard Weekly Exam-02: (B <sub>2</sub> +C <sub>2</sub> +P <sub>2</sub> +GK <sub>2</sub> +E <sub>2</sub> ) MCQ (100×1=100); 40 Min.		*Bio-04 Part-02	*Bio-04 Part-02 MCQ (15Q) + Wri. (1Q)	
28-Oct-23	Saturday	-	-	C-04 Part-01	C-04 Part-01 MCQ (15Q) + Wri. (1Q)	P-04 MCQ (30)
29-Oct-23	Sunday	P-03	M-03 MCQ (20Q) + Wri. (1Q)	*Medical Weekly Live Exam-03: (B <sub>3</sub> +C <sub>3</sub> +P <sub>3</sub> +GK <sub>3</sub> +E <sub>3</sub> ) MCQ (100×1=100); 40 Min. [28 Oct-03 Nov]		Medical MCQ W-03 (100)
30-Oct-23	Monday	-	-	C-04 Part-02	C-04 Part-02 MCQ (15Q) + Wri. (1Q)	*Bio-04 MCQ (30)
31-Oct-23	Tuesday	P-04	P-03 MCQ (20Q) + Wri. (1Q)	M-05 Part-01	M-05 Part-01 MCQ (15Q) + Wri. (1Q)	-
01-Nov-23	Wednesday	Offline Weekly Exam-03: (P <sub>3</sub> +C <sub>3</sub> +M <sub>3</sub> ) MCQ (50×1=50); Written (18×10=180); 1:25 Min.		M-05 Part-02	M-05 Part-02 MCQ (15Q) + Wri. (1Q)	C-04 MCQ (30)
02-Nov-23	Thursday	C-04	P-04 MCQ (20Q) + Wri. (1Q)	P-05 Part-01	P-05 Part-01 MCQ (15Q) + Wri. (1Q)	-
				Engg. Weekly Live Exam-04: (P <sub>4</sub> +C <sub>4</sub> +M <sub>4</sub> ) [02-08 Nov] MCQ (50×1=50); Written (18×10=180); 1:50 Min.		Engg. MCQ W-04 (50) Adv. MCQ W-04 (25)
03-Nov-23	Friday	*Bio-04/Arc-04	*Bio-03 MCQ (10Q) + Wri. (1Q)	Varsity Weekly Live Exam-04: (P <sub>4</sub> +C <sub>4</sub> +M <sub>4</sub> +Bio <sub>4</sub> /Ba <sub>4</sub> /E <sub>4</sub> ) MCQ (60×1=60); Written (16×2.5=40); 1:45 min. [02-08 Nov]		Var. MCQ W-04 (60)
		Medical Standard Weekly Exam-03: (B <sub>3</sub> +C <sub>3</sub> +P <sub>3</sub> +GK <sub>3</sub> +E <sub>3</sub> ) MCQ (100×1=100); 40 Min.		*Bio-05 Part-01	*Bio-05 Part-01 MCQ (15Q) + Wri. (1Q)	-
04-Nov-23	Saturday	-	-	*Bio-05 Part-02	*Bio-05 Part-02 MCQ (15Q) + Wri. (1Q)	
05-Nov-23	Sunday	M-04	C-04 MCQ (20Q) + Wri. (1Q)	C-05 Part-01	C-05 Part-01 MCQ (15Q) + Wri. (1Q)	P-05 MCQ (30)
06-Nov-23	Monday	-	-	*Medical Weekly Live Exam-04: (B <sub>4</sub> +C <sub>4</sub> +P <sub>4</sub> +GK <sub>4</sub> +E <sub>4</sub> ) MCQ (100×1=100); 40 Min. [04-10 Nov]		Medical MCQ W-04 (100)
07-Nov-23	Tuesday	M-05	M-04 MCQ (20Q) + Wri. (1Q)	C-05 Part-02	C-05 Part-02 MCQ (15Q) + Wri. (1Q)	*Bio-05 MCQ (30)
08-Nov-23	Wednesday	Offline Weekly Exam-04: (P <sub>4</sub> +C <sub>4</sub> +M <sub>4</sub> ) MCQ (50×1=50); Written (18×10=180); 1:25 Min.		M-06 Part-01	M-06 Part-01 MCQ (15Q) + Wri. (1Q)	-
09-Nov-23	Thursday	P-05	M-05 MCQ (20Q) + Wri. (1Q)	P-06 Part-01	P-06 Part-01 MCQ (15Q) + Wri. (1Q)	M-06 MCQ (30)
				Engg. Weekly Live Exam-05: (P <sub>5</sub> +C <sub>5</sub> +M <sub>5</sub> ) [09-15 Nov] MCQ (50×1=50); Written (18×10=180); 1:50 Min.		Engg. MCQ W-05 (50) Adv. MCQ W-05 (25)
10-Nov-23	Friday	*Bio-05/Arc-05	*Bio-04 MCQ (10Q) + Wri. (1Q)	Varsity Weekly Live Exam-04: (P <sub>4</sub> +C <sub>4</sub> +M <sub>4</sub> +Bio <sub>4</sub> /Ba <sub>4</sub> /E <sub>4</sub> ) MCQ (60×1=60); Written (16×2.5=40); 1:45 min. [09-15 Nov]		Var. MCQ W-05 (60)
		Medical Standard Weekly Exam-04: (B <sub>4</sub> +C <sub>4</sub> +P <sub>4</sub> +GK <sub>4</sub> +E <sub>4</sub> ) MCQ (100×1=100); 40 Min.		*Bio-06 Part-01	*Bio-06 Part-01 MCQ (15Q) + Wri. (1Q)	-
11-Nov-23	Saturday	-	-	*Bio-06 Part-02	*Bio-06 Part-02 MCQ (15Q) + Wri. (1Q)	
12-Nov-23	Sunday	C-05	P-05 MCQ (20Q) + Wri. (1Q)	C-06 Part-01	C-06 Part-01 MCQ (15Q) + Wri. (1Q)	P-06 MCQ (30)
13-Nov-23	Monday	-	-	*Medical Weekly Live Exam-05: (B <sub>5</sub> +C <sub>5</sub> +P <sub>5</sub> +GK <sub>5</sub> +E <sub>5</sub> ) MCQ (100×1=100); 40 Min. [11-17 Nov]		Medical MCQ W-05 (100)
14-Nov-23	Tuesday	C-06	C-05 MCQ (20Q) + Wri. (1Q)	C-06 Part-02	C-06 Part-02 MCQ (15Q) + Wri. (1Q)	*Bio-06 MCQ (30)
15-Nov-23	Wednesday	Offline Weekly Exam-05: (P <sub>5</sub> +C <sub>5</sub> +M <sub>5</sub> ) MCQ (50×1=50); Written (18×10=180); 1:25 Min.		M-07 Part-01	M-07 Part-01 MCQ (15Q) + Wri. (1Q)	-
16-Nov-23	Thursday	M-06	C-06 MCQ (20Q) + Wri. (1Q)	M-07 Part-02	M-07 Part-02 MCQ (15Q) + Wri. (1Q)	C-06 MCQ (30)
				Engg. Weekly Live Exam-06: (P <sub>6</sub> +C <sub>6</sub> +M <sub>6</sub> ) [16-22 Nov] MCQ (50×1=50); Written (18×10=180); 1:50 Min.		Engg. MCQ W-06 (50) Adv. MCQ W-06 (25)
				Varsity Weekly Live Exam-06: (P <sub>6</sub> +C <sub>6</sub> +M <sub>6</sub> +Bio <sub>6</sub> /Ba <sub>6</sub> /E <sub>6</sub> ) MCQ (60×1=60); Written (16×2.5=40); 1:45 min. [16-22 Nov]		Var. MCQ W-06 (60)

Note: Offline Daily Exam 15 min. & Daily Live Exam MCQ (9 min.) + Written (5 min.)

- অনলাইন সেবাসমূহ উপভোগ করতে জয়েন করো- online.udvash-unmesh.com
- ইঞ্জিনিয়ারিং প্রাইভেট গ্রুপ: <https://www.facebook.com/groups/udvashengineering2023>
- \* চিহ্নিত ক্লাস-পরীক্ষাগুলো 'Biology' কোর্সের শিক্ষার্থীদের জন্য।

Offline	Marathon	Physics Syllabus (Paper & Chapter)
P-04	Part-01	1st Paper Chapter-06: Gravitation and Gravity [Newton's Law of Gravitation, Gravitational field intensity and potential, Variation of gravitational acceleration or 'g']
	Part-02	1st Paper Chapter-06: Gravitation and Gravity [Gravitational potential energy, Escape velocity, Artificial satellites, Kepler's Laws]
P-05	Part-01	1st Paper Chapter-07: Structural Properties of Matter [Stress and Strain, Young's Modulus of Elasticity, Rigidity Modulus, Volume or Bulk Modulus, Elastic potential 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, Spring, Simple pendulum, Determination of height of a hill, Quantities relating to power]
P-06	Part-01	1st Paper Chapter-10: Ideal Gas and Kinetic Theory of Gas [Boyle's Law, Charles' Law, Law of Pressure, Ideal Gas Equation]
	Part-02	1st Paper Chapter-10: Ideal Gas and Kinetic Theory of Gas [Kinetic Theory of Gases, Degrees of freedom, Internal Energy, Relative humidity]
P-07	Part-01	2nd Paper Chapter-01: Thermodynamics [Thermometer, 1 <sup>st</sup> Law of Thermodynamics, Work done in different processes, Equations of isothermal and adiabatic processes]
	Part-02	2nd Paper Chapter-01: Thermodynamics [2 <sup>nd</sup> Law of Thermodynamics, Heat Engine, Carnot's Engine, Refrigerator or Cooler, Change of Entropy in different processes]

Offline	Marathon	Chemistry Syllabus (Paper & Chapter)
C-04	Part-01	2nd Paper Chapter-03: Stoichiometric chemistry [Mole, chemical reaction, stoichiometric formula, concentration]
	Part-02	2nd Paper Chapter-03: Stoichiometric chemistry [Oxidation-reduction, acid-base titration]
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, criteria for purity of water]
C-06	Part-01	1st Paper Chapter-04: [Chemical change Green chemistry, chemical equilibrium]
	Part-02	1st Paper Chapter-04: [Chemical change Acid-base equilibrium]

Offline	Marathon	H.math Syllabus (Paper & Chapter)
M-05	Part-01	2nd Paper Chapter-04: Polynomial and Polynomial Equations [Introduction to polynomial functions, formulating equations from roots, 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-06	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 Mover's formulas, 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-07	Part-01	2nd Paper Chapter-07: Inverse Trigonometric Function & Trigonometric Equations [Graphs, domain-range, value, proof and problems related to solution of inverse trigonometry; all formula related to trigonometric equations]
	Part-02	2nd paper Chapter-07: Inverse Trigonometric Function & Trigonometric Equations [All problems related to solving trigonometric equations] 1st Paper Chapter-01: Matrix & Determinants

Offline	Marathon	Biology Syllabus (Paper & Chapter)
Bio-04	Part-01	Chapter-04 : Microorganisms (1st Paper) [Viruses, Bacteria]
	Part-02	Chapter-04 : Microorganisms (1st Paper) [Malaria] Chapter-08 : Tissue and Tissue System (1st Paper)
Bio-05	Part-01	Chapter-01 : Cell and its Structure (1st Paper) [Upto Cell Vacuole]
	Part-02	Chapter-01 : Cell and Its Structure (1st Paper) [From Nucleus to End]
Bio-06	Part-01	Chapter-01 : Animal Diversity and Classification (2nd Paper)
	Part-02	Chapter-02 : Animals Identity (Hydra, Grasshopper) (2nd Paper)

Offline	Architecture Syllabus
Arc-03	Composition Basics and 2D Composition
Arc-04	3D Composition
Arc-05	Visual perception

#### English & Bangla Syllabus for Varsity Weekly Exam

Week	Lecture	Syllabus
Week-03	E-03	Verb types, Gerund-Participle-Verbal Noun, Modal Auxiliaries.
	Ba-03	বাংলা ১ম পত্র- (বায়ান্নর দিনগুলো, প্রতিদান), বাংলা ২য় পত্র- সমার্থক ও বিপরীতার্থক শব্দ।
Week-04	E-04	Subject-Verb Agreement, Right Form of Verbs, Spelling, Synonym & Antonym (E-H), Appropriate Preposition (C-F).
	Ba-04	বাংলা ১ম পত্র- (আমার পথ), বাংলা ২য় পত্র- ধনি ও পরিবর্তন, শব্দের শ্রেণিবিভাগ।
Week-05	E-05	Subjunctive and Causative, Conditional, Affirmative & Negative Agreement.
	Ba-05	বাংলা ১ম পত্র- (বিদ্রোহী), বাংলা ২য় পত্র- সন্ধি, বাংলা অনুজ্ঞা।
Week-06	E-06	Adverb & Inversion, Idiom & Phrase, Voice, Narration, Transformation
	Ba-06	বাংলা ১ম পত্র- (বিলাসী, তাহারেই পড়ে মনে) বাংলা ২য় পত্র- উপসর্গ, উচ্চারণের নিয়ম

#### English & GK Syllabus for Medical Weekly Exam

Week	Lecture	Syllabus
Week-02	E-02	Adjective, Degree and Comparison, Synonym & Antonym (D), Adverb, Preposition and Appropriate preposition (A, B), Article. [Ref: GKE QB, Page (123-133)]
	GK-02	পাকিস্তান আমল (১৯৪৭-১৯৭১), ভাষা আন্দোলন, বাংলাদেশের মুক্তিযুদ্ধ ও স্বাধীনতা, জাতির জনক বঙ্গবন্ধু শেখ মুজিবুর রহমান। [Ref: GKE QB, Page (10-20)]
Week-03	E-03	Phrase and Clause, Modal Auxiliaries, Conjunction, Synonym & Antonym (E-H), Subject-Verb Agreement, Right form of verbs. [Ref: GKE QB, Page (134-144)]
	GK-03	মুক্তিযুদ্ধে খেতাব, বাংলাদেশকে স্বীকৃতি, মুক্তিযুদ্ধভিত্তিক গ্রন্থ, গান, চলচ্চিত্র ও ভাস্কর্য, বাংলাদেশ পরিচিতি, ভূ-প্রকৃতি, বাংলাদেশের আয়তন ও সীমা, সীমান্ত, ছিটমহল, বঙ্গোপসাগর, সমুদ্র সৈকত ও দ্বীপ, জলপ্রপাত, হ্রদ ও বরনা, উপত্যকা, পাহাড়-পর্বত [Ref: GKE QB, Page (21-30)]
Week-04	E-04	Tense & Sequence of Tenses, Appropriate preposition (C-F), Spelling, Verb, Gerund & Verbal Noun, Synonym & Antonym (I-L). [Ref: GKE QB, Page (145-161)]
	GK-04	বাংলাদেশের চর, বিল, হাওর ও বাঁওড়, মাটি, কৃষিজ সম্পদ, বাংলাদেশের বনজসম্পদ, জ্বালানি, বিদ্যুৎব্যবস্থা ও খনিজসম্পদ, মৎস্য ও প্রাণিসম্পদ, শিল্প-কারখানা, সেচ প্রকল্প, বাঁধ ও বন্যা নিয়ন্ত্রণ, পানি শোধনাগার, বাংলাদেশের নদ-নদী, পানি বণ্টন চুক্তি, প্রাকৃতিক দুর্যোগ। [Ref: GKE QB, Page (31-40)]