

### Class & Exam Routine (02 October to 25 October)

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)
01-Oct-23	Sunday	-	-	<b>Online Orientation Class (6:30pm)</b>		
02-Oct-23	Monday	-	-	M-01 Part-01	M-01 Part-01 MCQ (15Q) + Wri. (1Q)	-
03-Oct-23	Tuesday	-	-	M-01 Part-02	M-01 Part-02 MCQ (15Q) + Wri. (1Q)	-
04-Oct-23	Wednesday	-	-	P-01 Part-01	P-01 Part-01 MCQ (15Q) + Wri. (1Q)	-
05-Oct-23	Thursday	-	-	P-01 Part-02	P-01 Part-02 MCQ (15Q) + Wri. (1Q)	M-01 MCQ (30)
06-Oct-23	Friday	-	-	*Bio-01 Part-01 *Bio-01 Part-02	*Bio-01 Part-01 MCQ (15Q) + Wri. (1Q) *Bio-01 Part-02 MCQ (15Q) + Wri. (1Q)	-
07-Oct-23	Saturday	-	-	C-01 Part-01	C-01 Part-01 MCQ (15Q) + Wri. (1Q)	P-01 MCQ (30)
08-Oct-23	Sunday	<b>Offline Orientation Class (Self Batch Time)</b>		C-01 Part-02	C-01 Part-02 MCQ (15Q) + Wri. (1Q)	*Bio-01 MCQ (30)
09-Oct-23	Monday	-	-	M-02 Part-01	M-02 Part-01 MCQ (15Q) + Wri. (1Q)	-
10-Oct-23	Tuesday	P-01	Introductory	M-02 Part-02	M-02 Part-02 MCQ (15Q) + Wri. (1Q)	C-01 MCQ (30)
				<b>Engg. Weekly Live Exam-01: (P<sub>1</sub>+C<sub>1</sub>+M<sub>1</sub>) [10-18 Oct] MCQ (50×1=50); Written (18×10=180); 1:50 Min.</b>		Engg. MCQ W-01 (50) Adv. MCQ W-01 (25)
				Varsity Weekly Live Exam-01: (P <sub>1</sub> +C <sub>1</sub> +M <sub>1</sub> +Bio <sub>1</sub> /Ba <sub>1</sub> /E <sub>1</sub> ) MCQ (60×1=60); Written (16×2.5=40); 1:45 min. [10-18 Oct]		Var. MCQ W-01 (60)
11-Oct-23	Wednesday	-	-	P-02 Part-01	P-02 Part-01 MCQ (15Q) + Wri. (1Q)	-
12-Oct-23	Thursday	C-01	P-01 MCQ (20Q) + Wri. (1Q)	P-02 Part-02	P-02 Part-02 MCQ (15Q) + Wri. (1Q)	M-02 MCQ (30)
13-Oct-23	Friday	*Bio-01/Arc-01	*Introductory	*Bio-02 Part-01 *Bio-02 Part-02	*Bio-02 Part-01 MCQ (15Q) + Wri. (1Q) *Bio-02 Part-02 MCQ (15Q) + Wri. (1Q)	-
14-Oct-23	Saturday	-	-	C-02 Part-01	C-02 Part-01 MCQ (15Q) + Wri. (1Q)	P-02 MCQ (30)
				<b>*Medical Weekly Live Exam-01: (B<sub>1</sub>+C<sub>1</sub>+P<sub>1</sub>+GK<sub>1</sub>+E<sub>1</sub>) MCQ (100×1=100); 40 Min. [14-20 Oct]</b>		Medical MCQ W-01 (100)
15-Oct-23	Sunday	M-01	C-01 MCQ (20Q) + Wri. (1Q)	C-02 Part-02	C-02 Part-02 MCQ (15Q) + Wri. (1Q)	*Bio-02 MCQ (30)
16-Oct-23	Monday	-	-	M-03 Part-01	M-03 Part-01 MCQ (15Q) + Wri. (1Q)	-
17-Oct-23	Tuesday	M-02	M-01 MCQ (20Q) + Wri. (1Q)	M-03 Part-02	M-03 Part-02 MCQ (15Q) + Wri. (1Q)	C-02 MCQ (30)
18-Oct-23	Wednesday	<b>Offline Weekly Exam-01: (P<sub>1</sub>+C<sub>1</sub>+M<sub>1</sub>) MCQ (50×1=50); Written (18×10=180); 1:25 Min.</b>		P-03 Part-01	P-03 Part-01 MCQ (15Q) + Wri. (1Q)	-
19-Oct-23	Thursday	P-02	M-02 MCQ (20Q) + Wri. (1Q)	P-03 Part-02	P-03 Part-02 MCQ (15Q) + Wri. (1Q)	M-03 MCQ (30)
				<b>Engg. Weekly Live Exam-02: (P<sub>2</sub>+C<sub>2</sub>+M<sub>2</sub>) [19-25 Oct] MCQ (50×1=50); Written (18×10=180); 1:50 Min.</b>		Engg. MCQ W-02 (50) Adv. MCQ W-02 (25)
				Varsity Weekly Live Exam-02: (P <sub>2</sub> +C <sub>2</sub> +M <sub>2</sub> +Bio <sub>2</sub> /Ba <sub>2</sub> /E <sub>2</sub> ) MCQ (60×1=60); Written (16×2.5=40); 1:45 min. [19-25 Oct]		Var. MCQ W-02 (60)
20-Oct-23	Friday	*Bio-02/Arc-02	*Bio-01 MCQ (10Q) + Wri. (1Q)	*Bio-03 Part-01 *Bio-03 Part-02	*Bio-03 Part-01 MCQ (15Q) + Wri. (1Q) *Bio-03 Part-02 MCQ (15Q) + Wri. (1Q)	-
		<b>*Medical Standard Weekly Exam-01: (B<sub>1</sub>+C<sub>1</sub>+P<sub>1</sub>+GK<sub>1</sub>+E<sub>1</sub>) MCQ (100×1=100); 40 Min.</b>		C-03 Part-01	C-03 Part-01 MCQ (15Q) + Wri. (1Q)	P-03 MCQ (30)
21-Oct-23	Saturday	-	-	<b>*Medical Weekly Live 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. [21-27 Oct]</b>		Medical MCQ W-02 (100)
22-Oct-23	Sunday	C-02	P-02 MCQ (20Q) + Wri. (1Q)	C-03 Part-02	C-03 Part-02 MCQ (15Q) + Wri. (1Q)	*Bio-03 MCQ (30)
23-Oct-23	Monday	-	-	M-04 Part-01	M-04 Part-01 MCQ (15Q) + Wri. (1Q)	-
24-Oct-23	Tuesday	C-03	C-02 MCQ (20Q) + Wri. (1Q)	M-04 Part-02	M-04 Part-02 MCQ (15Q) + Wri. (1Q)	C-03 MCQ (30)
25-Oct-23	Wednesday	<b>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.</b>		P-04 Part-01	P-04 Part-01 MCQ (15Q) + Wri. (1Q)	-

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

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

Offline	Marathon	Physics Syllabus (Paper & Chapter)
P-01	Part-01	1st Paper Chapter-02: Vector [Resultant vectors: Parallelogram law, Resolution of vectors, Determination of resultant using resolution of vectors, Relative velocity, math related to river-boat]
	Part-02	1st Paper Chapter-02: Vector [Vector dot product and its applications, Vector cross product and its applications, Vector calculus (Gradient, Curl & Divergence)]
P-02	Part-01	1st Paper Chapter-04: Newtonian Mechanics [Newton's Laws of Motion (related to $F = ma$ ), Conservation of momentum, math related to rocket]
	Part-02	1st Paper Chapter-04: Newtonian Mechanics [Moment of Inertia, Angular momentum and its conservation, Torque, Centripetal force, Road banking]
P-03	Part-01	1st Paper Chapter-01: Physical World and Measurement 1st Paper Chapter-05: Work, Energy and Power [Error in measurement, Slide calipers and spherometer, Quantities of work (Work done by constant force, Work done against gravity, Work done by displacement of center of mass, Work done by variable force, Spring)]
	Part-02	1st Paper Chapter-05: Work, Energy and Power [Potential energy, Kinetic energy, Work-Energy theorem, Power and Efficiency, math related to emptying/filling water tank]

Offline	Marathon	Chemistry Syllabus (Paper & Chapter)
C-01	Part-01	1st Paper Chapter-03: Periodic properties of elements and chemical bonds (up to periodic property) [Periodic table, characteristics of block elements, acid-base property of oxides, periodic property]
	Part-02	1st Paper Chapter-03: Periodic properties of elements and chemical bonds (up to periodic property) [d-block element and hybridization of complex compounds]
C-02	Part-01	1st Paper Chapter-03: Periodic properties of elements and chemical bonds (chemical bonds) [Ionic bond, covalent bond and hybridization]
	Part-02	1st Paper Chapter-03: Periodic properties of elements and chemical bonds (chemical bonds) [Polarity, polarization, hydrogen bond, Vander Waals bond]
C-03	Part-01	1st Paper Chapter-02: Qualitative chemistry [Atomic model, principle of electronic configuration, quantum number, spectrum]
	Part-02	1st Paper Chapter-02: Qualitative chemistry [Solubility, solubility product and ion detection]

Offline	Marathon	Math Syllabus (Paper & Chapter)
M-01	Part-01	1st Paper Chapter-03: Straight line [From Coordinate System to the equations of straight lines in different cases]
	Part-02	1st Paper Chapter-03: Straight line [From equation of straight line (all problems) to image of straight lines]
M-02	Part-01	1st Paper Chapter-04: Circle [Conditions for a Circle, equation of a circle in various cases, polar equation of a circle, tangent-intersection with the axis, equation of a circle through the intersection points]
	Part-02	1st Paper Chapter-04: Circle [Locus related to circles, image of circles with respect to straight lines, tangent-intersect of circles, relative position of two circles, common tangent]
M-03	Part-01	2nd Paper Chapter-06: Conics [Identification of conics and parabola]
	Part-02	2nd Paper Chapter-06: Conics [Ellipse and hyperbola]
M-04	Part-01	2nd Paper Chapter-03: Complex Numbers [Exponents of $i$ , series, rotation, introduction of complex numbers, modulus of $A+iB$ format, argument, polar format, multiplication-division, power, conjugate complex number]
	Part-02	2nd Paper Chapter-03: Complex Numbers [Root, proof under conditions, determination of value, locus, factorization]

Offline	Marathon	Biology Syllabus (Paper & Chapter)
Bio-01	Part-01	2nd Paper Chapter-04: Human Physiology : Blood and Circulation [Upto Blood Vessels]
	Part-02	2nd Paper Chapter-04: Human Physiology : Blood and Circulation [Heart to End]
Bio-02	Part-01	2nd Paper Chapter-03 : Human Physiology : Digestion and Absorption [Upto Intestinal Glands]
	Part-02	2nd Paper Chapter-03 : Human Physiology : Digestion and Absorption [From Role of Nervous System to End] 2nd Paper Chapter-02 : Animals Identity (Rohu Fish)
Bio-03	Part-01	2nd Paper Chapter-07 : Human Physiology : Locomotion and Movement [Up to Muscle Tissue]
	Part-02	2nd Paper Chapter-05 : Human Physiology : Respiratory Process and Respiration 2nd Paper Chapter-07 : Human Physiology : Locomotion and Movement [From Muscle Tissue to End]

Offline	Architecture Syllabus
Arc-01	Introductory Class brief and motivation
Arc-02	Elements of Design and techniques

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

Offline	Marathon	Syllabus
Week-01	E-01	Parts of Speech Identification and Transformation, Noun, Pronoun
	Ba-01	বাংলা ১ম পত্র- (অপরচিতা), বাংলা ২য় পত্র- বাংলা সাহিত্যের ইতিহাস ও ব্যাকরণ এর প্রারম্ভিক আলোচনা।
Week-02	E-02	Gender, Number, Preposition & Conjunction, Synonym & Antonym (A-D), Appropriate Preposition (A,B)
	Ba-02	বাংলা ১ম পত্র- (সোনার তরী), বাংলা ২য় পত্র- ধ্বনি ও বর্ণ

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

Week	Lecture	Syllabus
Week-01	E-01	Parts of Speech and their identification and transformation, Synonym & Antonym (A, B, C), Noun and its classification, Pronoun, Gender, Number. [Ref: GKE QB, Page (109-122)]
	GK-01	প্রাচীন বাংলার ইতিহাস ও জনপদ, প্রাচীন বাংলায় বিভিন্ন শাসনামল, উপমহাদেশে মুসলিম শাসন, উপমহাদেশে মুঘল সাম্রাজ্য, বাংলায় মুসলিম শাসন, ইউরোপীয়দের আগমন ও ব্রিটিশ শাসন, বিভিন্ন সংস্কার আন্দোলন ও বাংলার জাগরণ, রাজনৈতিক অধিকার আন্দোলন, ব্রিটিশ-ভারত। [Ref: GKE QB, Page (1-9)]
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)]