

# Udvash Academic & Admission Care

## Varsity 'KA' & Guccho Admission Program-2024

Science Lab  
01970086912

Sat-Mon-Wed Batch

|   |  |
|---|--|
| Offline Orientation Class: 7 September                | Online Orientation Class: 31 August    |
| Offline Class Start: 9 September                      | Marathon Live class Start: 1 September |
| Step-1: Class & Exam Routine (1 September-11 October) |  |

| Date      | Day       | Offline Class (Self Batch Time)   | Offline Daily Exam (Self Batch Time) | Marathon Live Class (EV-3:00pm & BV-07:30pm)   | Daily Live Exam (Same Day 11:00pm to Next Day 11:00pm) | Practice Exam MCQ (Same Day 11:00pm to Program End) |
|-----------|-----------|---|--------------------------------------|--|--|---|
| 31-Aug-24 | Saturday  | -   | -                                    | Online Orientation Class (09:00pm)   |  |   |
| 01-Sep-24 | Sunday    | -   | -                                    | P-01 Part-01   | P-01 Part-01 MCQ (15) + Wri. (1)                       | P-01 Part-01 (15)                                   |
| 02-Sep-24 | Monday    | -   | -                                    | P-01 Part-02   | P-01 Part-02 MCQ (15) + Wri. (1)                       | P-01 Part-02 (15)                                   |
| 03-Sep-24 | Tuesday   | -   | -                                    | C-01 Part-01   | C-01 Part-01 MCQ (15) + Wri. (1)                       | C-01 Part-01 (15)                                   |
| 04-Sep-24 | Wednesday | -   | -                                    | C-01 Part-02   | C-01 Part-02 MCQ (15) + Wri. (1)                       | C-01 Part-02 (15)                                   |
| 05-Sep-24 | Thursday  | -   | -                                    | M-01 Part-01   | M-01 Part-01 MCQ (15) + Wri. (1)                       | M-01 Part-01 (15)                                   |
| 06-Sep-24 | Friday    | -   | -                                    | M-01 Part-02   | M-01 Part-02 MCQ (15) + Wri. (1)                       | M-01 Part-02 (15)                                   |
| 07-Sep-24 | Saturday  | Offline Orientation Class (Self Batch Time)   |                                      | Bio-01 Part-01+02  | Bio-01 MCQ (30) + Wri. (2)                             | Bio-01 (30)   |
| 08-Sep-24 | Sunday    | -   | -                                    | Ba-01 Part-01+02   | Ba-01 MCQ (30) + Wri. (2)                              | Ba-01 (30)  |
| 09-Sep-24 | Monday    | C-01  | Introductory Exam MCQ (25)           | E-01 Part-01+02  | E-01 MCQ (30) + Wri. (2)                               | E-01 (30)   |
| 10-Sep-24 | Tuesday   | -   | -                                    | C-02 Part-01   | C-02 Part-01 MCQ (15) + Wri. (1)                       | C-02 Part-01 (15)                                   |
| 11-Sep-24 | Wednesday | M-01  | C-01 MCQ (20) + Wri. (1)             | C-02 Part-02   | C-02 Part-02 MCQ (15) + Wri. (1)                       | C-02 Part-02 (15)                                   |
|           |           |   |                                      | Varsity 'Ka' Weekly Live Exam-01: (P <sub>1</sub> +C <sub>1</sub> +M <sub>1</sub> +Bio <sub>1</sub> /Ba/E) [11-21 Sep] |  | Varsity 'Ka' W-01 (60)                              |
|           |           |   |                                      | Medical Weekly Live Exam-01: (Bio <sub>1</sub> +C <sub>1</sub> +P <sub>1</sub> + GK+ E) [11-21 Sep]                    |  | Medical W-01 (100)                                  |
| 12-Sep-24 | Thursday  | -   | -                                    | M-02 Part-01   | M-02 Part-01 MCQ (15) + Wri. (1)                       | M-02 Part-01 (15)                                   |
| 13-Sep-24 | Friday    | -   | -                                    | M-02 Part-02   | M-02 Part-02 MCQ (15) + Wri. (1)                       | M-02 Part-02 (15)                                   |
| 14-Sep-24 | Saturday  | Bio-01  | M-01 MCQ (20) + Wri. (1)             | Bio-02 Part-01+02  | Bio-02 MCQ (30) + Wri. (2)                             | Bio-02 (30)   |
|           |           |   |                                      | Varsity 'Kha' Weekly Live Exam-01: (Ba+E+GK) [14-20 Sep]   |  | Varsity 'Kha' W-01 (60)                             |
| 15-Sep-24 | Sunday    | -   | -                                    | P-02 Part-01   | P-02 Part-01 MCQ (15) + Wri. (1)                       | P-02 Part-01 (15)                                   |
| 16-Sep-24 | Monday    | P-01  | Bio-01 MCQ (20) + Wri. (1)           | P-02 Part-02   | P-02 Part-02 MCQ (15) + Wri. (1)                       | P-02 Part-02 (15)                                   |
| 17-Sep-24 | Tuesday   | -   | -                                    | E-02 Part-01+02  | E-02 MCQ (30) + Wri. (2)                               | E-02 (30)   |
| 18-Sep-24 | Wednesday | P-02  | P-01 MCQ (20) + Wri. (1)             | Ba-02 Part-01+02   | Ba-02 MCQ (30) + Wri. (2)                              | Ba-02 (30)  |
| 19-Sep-24 | Thursday  | Varsity 'Ka' Offline Weekly Exam-01: (P <sub>1</sub> +C <sub>1</sub> +M <sub>1</sub> +Bio <sub>1</sub> /Ba/E) |                                      | M-03 Part-01   | M-03 Part-01 MCQ (15) + Wri. (1)                       | M-03 Part-01 (15)                                   |
|           |           | **Medical Offline Weekly Exam-01: (Bio <sub>1</sub> +C <sub>1</sub> +P <sub>1</sub> + GK+E)                   |                                      |  |  |   |
| 20-Sep-24 | Friday    | *Varsity 'Kha' Offline Weekly Exam-01: (Ba+E+GK)  |                                      | M-03 Part-02   | M-03 Part-02 MCQ (15) + Wri. (1)                       | M-03 Part-02 (15)                                   |
| 21-Sep-24 | Saturday  | C-02  | P-02 MCQ (20) + Wri. (1)             | Bio-03 Part-01+02  | Bio-03 MCQ (30) + Wri. (2)                             | Bio-03 (30)   |
|           |           |   |                                      | Varsity 'Kha' Weekly Live Exam-02: (Ba+E+GK) [21-27 Sep]   |  | Varsity 'Kha' W-02 (60)                             |
| 22-Sep-24 | Sunday    | -   | -                                    | Varsity 'Ka' Weekly Live Exam-02: (P <sub>2</sub> +C <sub>2</sub> +M <sub>2</sub> +Bio <sub>2</sub> /Ba/E) [22-30 Sep] |  | Varsity 'Ka' W-02 (60)                              |
|           |           |   |                                      | Medical Weekly Live Exam-02: (Bio <sub>2</sub> +C <sub>2</sub> +P <sub>2</sub> + GK+ E) [22-30 Sep]                    |  | Medical W-02 (100)                                  |
|           |           |   |                                      | P-03 Part-01   | P-03 Part-01 MCQ (15) + Wri. (1)                       | P-03 Part-01 (15)                                   |
| 23-Sep-24 | Monday    | M-02  | C-02 MCQ (20) + Wri. (1)             | P-03 Part-02   | P-03 Part-02 MCQ (15) + Wri. (1)                       | P-03 Part-02 (15)                                   |
| 24-Sep-24 | Tuesday   | -   | -                                    | C-03 Part-01   | C-03 Part-01 MCQ (15) + Wri. (1)                       | C-03 Part-01 (15)                                   |
| 25-Sep-24 | Wednesday | Bio-02  | M-02 MCQ (20) + Wri. (1)             | C-03 Part-02   | C-03 Part-02 MCQ (15) + Wri. (1)                       | C-03 Part-02 (15)                                   |
| 26-Sep-24 | Thursday  | -   | -                                    | Ba-03 Part-01+02   | Ba-03 MCQ (30) + Wri. (2)                              | Ba-03 (30)  |
| 27-Sep-24 | Friday    | *Varsity 'Kha' Offline Weekly Exam-02: (Ba+E+GK)  |                                      | E-03 Part-01+02  | E-03 MCQ (30) + Wri. (2)                               | E-03 (30)   |
| 28-Sep-24 | Saturday  | Bio-03  | Bio-02 MCQ (20) + Wri. (1)           | Bio-04 Part-01+02  | Bio-04 MCQ (30) + Wri. (2)                             | Bio-04 (30)   |
|           |           |   |                                      | Varsity 'Kha' Weekly Live Exam-03: (Ba+E+GK) [28 Sep-04 Oct]   |  | Varsity 'Kha' W-03 (60)                             |
| 29-Sep-24 | Sunday    | Varsity 'Ka' Offline Weekly Exam-02: (P <sub>2</sub> +C <sub>2</sub> +M <sub>2</sub> +Bio <sub>2</sub> /Ba/E) |                                      | P-04 Part-01   | P-04 Part-01 MCQ (15) + Wri. (1)                       | P-04 Part-01 (15)                                   |
|           |           | **Medical Offline Weekly Exam-02: (Bio <sub>2</sub> +C <sub>2</sub> +P <sub>2</sub> + GK+E)                   |                                      |  |  |   |
| 30-Sep-24 | Monday    | P-03  | Bio-03 MCQ (20) + Wri. (1)           | P-04 Part-02   | P-04 Part-02 MCQ (15) + Wri. (1)                       | P-04 Part-02 (15)                                   |
| 1-Oct-24  | Tuesday   | -   | -                                    | Varsity 'Ka' Weekly Live Exam-03: (P <sub>3</sub> +C <sub>3</sub> +M <sub>3</sub> +Bio <sub>3</sub> /Ba/E) [01-09 Oct] |  | Varsity 'Ka' W-03 (60)                              |
|           |           |   |                                      | Medical Weekly Live Exam-03: (Bio <sub>3</sub> +C <sub>3</sub> +P <sub>3</sub> + GK+ E) [01-09 Oct]                    |  | Medical W-03 (100)                                  |
|           |           |   |                                      | C-04 Part-01   | C-04 Part-01 MCQ (15) + Wri. (1)                       | C-04 Part-01 (15)                                   |
| 2-Oct-24  | Wednesday | C-03  | P-03 MCQ (20) + Wri. (1)             | C-04 Part-02   | C-04 Part-02 MCQ (15) + Wri. (1)                       | C-04 Part-02 (15)                                   |
| 3-Oct-24  | Thursday  | -   | -                                    | M-04 Part-01   | M-04 Part-01 MCQ (15) + Wri. (1)                       | M-04 Part-01 (15)                                   |
| 4-Oct-24  | Friday    | *Varsity 'Kha' Offline Weekly Exam-03: (Ba+E+GK)  |                                      | M-04 Part-02   | M-04 Part-02 MCQ (15) + Wri. (1)                       | M-04 Part-02 (15)                                   |

|           |           |  |                          |   |                                  |                         |
|-----------|-----------|--|--------------------------|---|----------------------------------|-------------------------|
| 5-Oct-24  | Saturday  | M-03   | C-03 MCQ (20) + Wri. (1) | ICT-01 Part-01+02   | ICT-01 MCQ (40)                  | ICT-01 (40)             |
|           |           |  |                          | Varsity 'Kha' Weekly Live Exam-04: (Ba+E+GK) [05-11 Oct]  |                                  | Varsity 'Kha' W-04 (60) |
| 6-Oct-24  | Sunday    | -  | -                        | Ba-04 Part-01+02  | Ba-04 MCQ (30) + Wri. (2)        | Ba-04 (30)              |
| 7-Oct-24  | Monday    | M-04   | M-03 MCQ (20) + Wri. (1) | E-04 Part-01+02   | E-04 MCQ (30) + Wri. (2)         | E-04 (30)               |
| 8-Oct-24  | Tuesday   | Varsity 'Ka' Offline Weekly Exam-03:(P <sub>3</sub> +C <sub>3</sub> +M <sub>3</sub> +Bio <sub>3</sub> /Ba/E) |                          | C-05 Part-01  | C-05 Part-01 MCQ (15) + Wri. (1) | C-05 Part-01 (15)       |
|           |           | **Medical Offline Weekly Exam-03:(Bio <sub>3</sub> +C <sub>3</sub> +P <sub>3</sub> + GK+ E)                  |                          |   |                                  |                         |
| 9-Oct-24  | Wednesday | Bio-04   | M-04 MCQ (20) + Wri. (1) | C-05 Part-02  | C-05 Part-02 MCQ (15) + Wri. (1) | C-05 Part-02 (15)       |
| 10-Oct-24 | Thursday  | -  | -                        | Varsity 'Ka' Weekly Live Exam-04:(P <sub>4</sub> +C <sub>4</sub> +M <sub>4</sub> +Bio <sub>4</sub> /Ba/E) [09-20 Oct] |                                  | Varsity 'Ka' W-04 (60)  |
|           |           |  |                          | Medical Weekly Live Exam-04:(Bio <sub>4</sub> +C <sub>4</sub> +P <sub>4</sub> + GK+ E) [09-20 Oct]                    |                                  | Medical W-04 (100)      |
|           |           |  |                          | M-05 Part-01  | M-05 Part-01 MCQ (15) + Wri. (1) | M-05 Part-01 (15)       |
| 11-Oct-24 | Friday    | *Varsity 'Kha' Offline Weekly Exam-04: (Ba+E+GK)   |                          | M-05 Part-02  | M-05 Part-02 MCQ (15) + Wri. (1) | M-05 Part-02 (15)       |

**Note:** \*Marked examinations are for students of "Varsity 'Kha' Special Course". \*\* Marked exams are for students of "Medical Exam Batch".

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>Varsity 'Ka' Offline Daily Exam 20 minutes</li> <li>Varsity 'Ka' Offline Weekly Exam 1 Hour 30 Minutes [MCQ (60×1=60); Written 40 Marks]</li> <li>Varsity 'Kha' Offline Weekly Exam 1 Hour 30 Minutes [MCQ (60×1=60) 45 Min.; Written (40) 45 Min.]</li> <li>Medical Offline Weekly Exam 55 Minutes [MCQ (100×1=100)]</li> <li>To enjoy the online services, just join-online.udvash-unmesh.com</li> </ul> | <ul style="list-style-type: none"> <li>Varsity 'A' Daily Live Exam 15 minutes</li> <li>Varsity 'A' Weekly Live Exam 1 hour 45 minutes [MCQ (60×1=60); Written 40 Marks]</li> <li>Varsity 'B' Weekly Live Exam 1 Hour 30 Minutes [MCQ (60×1=60) 40 Min.; Written (40) 50 Min.]</li> <li>Medical Weekly Live Exam 55 minutes [MCQ (100×1=100)]</li> <li>Varsity Facebook Private Group: <a href="https://cutt.ly/VAPKA24">https://cutt.ly/VAPKA24</a></li> </ul> |
|---|--|

## Varsity 'KA' & Guccho Syllabus-2024 (Step-01)

| Offline Class | Marathon Live | Physics   |
|---------------|---------------|---|
| P-01          | Part-01       | <b>1st Paper Chapter-02:</b> Vector [ Quantity – Vector in 3D Coordinate System]  |
|               | Part-02       | <b>1st Paper Chapter-02:</b> Vector [ Vector Multiplication – Vector Calculus]  |
| P-02          | Part-01       | <b>1st Paper Chapter-04:</b> Newtonian Mechanics [ Force – Conservation of Momentum, Impulsive Force, Collision, Friction]  |
|               | Part-02       | <b>1st Paper Chapter-04:</b> Newtonian Mechanics [ Moment of Inertia – Banking Angle]   |
| P-03          | Part-01       | <b>1st Paper Chapter-05:</b> Work, Energy & Power   |
|               | Part-02       | <b>1st Paper Chapter-08:</b> Periodic Motion  |
| P-04          | Part-01       | <b>1st Paper Chapter-06:</b> Gravitation and Gravity [ Gravitation – Escape Velocity]   |
|               | Part-02       | <b>1st Paper Chapter-07:</b> Structural Properties of Matter [ Speed of Satellite, Structural Properties of Matter (Partial)]   |
| Offline Class | Marathon Live | Chemistry   |
| C-01          | Part-01       | <b>1st Paper Chapter-03:</b> Periodic properties of elements and chemical bond. [Upto periodic properties]  |
|               | Part-02       | <b>1st Paper Chapter-03:</b> Periodic properties of elements and chemical bond. [Chemical bond]   |
| C-02          | Part-01       | <b>1st Paper Chapter-02:</b> Qualitative Chemistry [Atomic model, principle of electronic configuration, quantum number, spectrum]  |
|               | Part-02       | <b>1st Paper Chapter-02</b> Qualitative Chemistry [Solubility, solubility product and identification of ions]   |
| C-03          | Part-01       | <b>2nd Paper Chapter-03:</b> Stoichiometric chemistry [Mole, chemical reactions, coefficient ratio formula, concentration]  |
|               | Part-02       | <b>2nd Paper Chapter-03:</b> Stoichiometric chemistry [Oxidation-reduction, acid-base titration]  |
| C-04          | Part-01       | <b>2nd Paper Chapter-01:</b> Environmental chemistry [Gas laws, ideal and real gases]   |
|               | Part-02       | <b>2nd Paper Chapter-01:</b> Environmental chemistry [Law of diffusion, Dalton's partial pressure formula, kinetics of gases, Standard of the purity of water]  |
| C-05          | Part-01       | <b>1st Paper Chapter-04:</b> Chemical change [Green Chemistry, Chemical Equilibrium]  |
|               | Part-02       | <b>1st Paper Chapter-04:</b> Chemical change [Acid-base balance]  |
| Offline Class | Marathon Live | Math  |
| M-01          | Part-01       | <b>1st Paper Chapter-03:</b> Straight Line [From Coordinate System to all types of equations of straight line]  |
|               | Part-02       | <b>1st Paper Chapter-03:</b> Straight Line [From equations of straight line (All problems) to image]  |
| M-02          | Part-01       | <b>1st Paper Chapter-04:</b> Circle [Conditions for being a circle, equation of circle in various cases, Polar equation of circle, equation of circle touching-intersecting the axes, Upto equation of circle passing through intersection point] |
|               | Part-02       | <b>1st Paper Chapter-04:</b> Circle [Locus related to circle, image of circle with respect to straight line, Secant and tangent to circle, relative position of two circles, Common tangent]  |
| M-03          | Part-01       | <b>2nd Paper Chapter-06:</b> Conics [Conic identification and Parabola]   |
|               | Part-02       | <b>2nd Paper Chapter-06:</b> Conics [Ellipse and Hyperbola]   |
| M-04          | Part-01       | <b>2nd Paper Chapter-03:</b> Complex Number [Power of i, series, rotation, concept of complex number, modulus, argument of $A + iB$ , polar form, multiplication-division, power, conjugate complex number]                                       |
|               | Part-02       | <b>2nd Paper Chapter-03:</b> Complex Number [Root, Proof under conditions, determination of values, locus, resolution into factors]   |
| M-05          | Part-01       | <b>2nd Paper Chapter-04:</b> Polynomial and Polynomial Equations [Introduction to polynomial functions, forming equation from roots, discriminant of quadratic equation, graph of polynomial functions, relation between roots and Coefficients ] |
|               | Part-02       | <b>2nd Paper Chapter-04:</b> Polynomial and Polynomial Equations [General root, Symmetric expressions, Symmetric roots]<br><b>1st Paper Chapter-01:</b> Matrix and Determinant.   |

| Offline Class | Marathon Live | Biology  |
|---------------|---------------|--|
| Bio-01        | Part-01       | <b>2nd Paper</b> Chapter-04: Human Physiology : Blood and Circulation [Upto Blood Vessels]   |
|               | Part-02       | <b>2nd Paper</b> Chapter-04: Human Physiology : Blood and Circulation [Heart to End]   |
| Bio-02        | Part-01       | <b>1st Paper</b> Chapter-04: Micro-organisms [Viruses]   |
|               | Part-02       | <b>1st Paper</b> Chapter-04: Micro-organisms [Bacteria, Malaria]   |
| Bio-03        | Part-01       | <b>2nd Paper</b> Chapter-03: Human Physiology : Digestion and Absorption [Upto Pancreas]   |
|               | Part-02       | <b>2nd Paper</b> Chapter-03: Human Physiology : Digestion and Absorption [From Pancreas to End]  |
| Bio-04        | Part-01       | <b>1st Paper</b> Chapter-01: Cell and its Structure [Upto Cell Vacuole]  |
|               | Part-02       | <b>1st Paper</b> Chapter-01: Cell and Its Structure [From Nucleus to End]  |
| Marathon Live |               | Bangla   |
| Ba-01         | Part-01       | <b>বাংলা ১ম পত্র:</b> গদ্য: অপরিচিতা; কবিতা: সোনার তরী।<br><b>লিখিত প্রস্তুতি:</b> পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।   |
|               | Part-02       | <b>বাংলা ২য় পত্র:</b> বাংলা সাহিত্যের ইতিহাস, ভাষা, বাংলা ভাষার উৎপত্তি ও বিকাশ, সাধু ও চলিত ভাষা, আঞ্চলিক ও প্রমিত স্নীতি, ব্যাকরণ ও এর আলোচ্য বিষয়, ধ্বনি ও বর্ণ, বর্ণের উচ্চারণ, যতিচিহ্ন, এক কথায় প্রকাশ।<br><b>লিখিত প্রস্তুতি:</b> ব্যাকরণ সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।   |
| Ba-02         | Part-01       | <b>বাংলা ১ম পত্র:</b> গদ্য: আমার পথ। কবিতা: বিদ্রোহী। কবিতা: প্রতিদান।<br><b>লিখিত প্রস্তুতি:</b> গদ্য/কবিতার মূলভাব লিখন, উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।   |
|               | Part-02       | <b>বাংলা ২য় পত্র:</b> উচ্চারণের নিয়ম, বচন, বানান ও বানান শুদ্ধি, ণ-ত্ব ও ষ-ত্ব বিধান, বাগধারা ও বাগর্থ, প্রবাদ-প্রবচন।<br><b>লিখিত প্রস্তুতি:</b> ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।   |
| Ba-03         | Part-01       | <b>বাংলা ১ম পত্র:</b> গদ্য: বিলাসী। গদ্য: মাসি-পিসি। কবিতা: তাহায়েই পড়ে মনে।<br><b>লিখিত প্রস্তুতি:</b> পাঠের মূলভাব লিখন, গদ্য/কবিতার উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।  |
|               | Part-02       | <b>বাংলা ২য় পত্র:</b> সন্ধি, শব্দদ্বিত্ব, বাক্য প্রকরণ, বাংলা ভাষার ব্যাকরণিক শব্দশ্রেণি, উপসর্গ।<br><b>লিখিত প্রস্তুতি:</b> ব্যাকরণ সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত), সারাংশ/সারমর্ম।   |
| Ba-04         | Part-01       | <b>বাংলা ১ম পত্র:</b> গদ্য: রেইনকোট। কবিতা: আমি কিংবদন্তির কথা বলছি। কবিতা: আঠারো বছর বয়স।<br><b>লিখিত প্রস্তুতি:</b> পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।   |
|               | Part-02       | <b>বাংলা ২য় পত্র:</b> ক্রিয়ার কাল, ক্রিয়ার ভাব, ক্রিয়া-বিভক্তি, সমাস, পারিভাষিক শব্দ।<br><b>লিখিত প্রস্তুতি:</b> ব্যাকরণ সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত), অনুবাদ, ভাব-সম্প্রসারণ লিখন।   |
| Marathon Live |               | English  |
| E-01          | Part-01       | Parts of Speech Identification and Transformation.   |
|               | Part-02       | Noun, Number.  |
| E-02          | Part-01       | Gender, Pronoun, Appropriate Preposition (A-B).  |
|               | Part-02       | Preposition & Conjunction, Synonym & Antonym (A-D).  |
| E-03          | Part-01       | Verb types.  |
|               | Part-02       | Gerund-Participle-Verbal Noun, Modal Auxiliaries.  |
| E-04          | Part-01       | Right Form of Verbs, Spelling, Synonym & Antonym (E-H).  |
|               | Part-02       | Subject-Verb Agreement, Appropriate Preposition (C-F).   |
| Marathon Live |               | ICT  |
| ICT-01        | Part-01       | <b>Chapter 03:</b> Number Systems and Digital Devices (History of Number Systems, Number System Conversion, Binary Addition and Subtraction, Signed Numbers and 2's Complement, Various Codes, Boolean Algebra, Boolean Theorems and Truth Table, De Morgan's Theorem, Different Types of Gates.)  |
|               | Part-02       | <b>Chapter 03:</b> Number Systems and Digital Devices(Encoder, Decoder, Adder, Register, Counter, Flip-Flop.)<br><b>Chapter 01:</b> Information and Communication Technology: Global and Bangladesh Perspective (Concept and Elements of the Global Village, Virtual Reality, Bioinformatics, Genetic Engineering, Nanotechnology, Impact of ICT in Modern Times.) |

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

| Week    | Lecture | Syllabus  |
|---------|---------|---|
| Week-01 | Bangla  | <b>বাংলা ১ম পত্র-</b> অপরিচিতা। <b>বাংলা ২য় পত্র-</b> বাংলা সাহিত্যের ইতিহাস, ভাষা, বাংলা ভাষার উৎপত্তি ও বিকাশ, সাধু ও চলিত ভাষা, আঞ্চলিক ও প্রমিত স্নীতি, ব্যাকরণ ও এর আলোচ্য বিষয়। |
|         | English | Parts of Speech Identification and Transformation, Noun, Number.  |
| Week-02 | Bangla  | <b>বাংলা ১ম পত্র-</b> সোনার তরী। <b>বাংলা ২য় পত্র-</b> ধ্বনি ও বর্ণ, বর্ণের উচ্চারণ, যতিচিহ্ন, এক কথায় প্রকাশ।  |
|         | English | Gender, Pronoun, Preposition & Conjunction, Synonym & Antonym (A-D), Appropriate Preposition (A,B).   |
| Week-03 | Bangla  | <b>বাংলা ১ম পত্র-</b> প্রতিদান, বিদ্রোহী। <b>বাংলা ২য় পত্র-</b> উচ্চারণের নিয়ম, বচন, বানান ও বানান শুদ্ধি।  |
|         | English | Verb types, Gerund-Participle-Verbal Noun, Modal Auxiliaries.   |
| Week-04 | Bangla  | <b>বাংলা ১ম পত্র-</b> আমার পথ, তাহায়েই পড়ে মনে। <b>বাংলা ২য় পত্র-</b> ণ-ত্ব ও ষ-ত্ব বিধান, বাগধারা ও বাগর্থ, প্রবাদ-প্রবচন।  |
|         | English | Subject-Verb Agreement, Right Form of Verbs, Spelling, Synonym & Antonym (E-H), Appropriate Preposition (C-F)   |

## GK & English Syllabus for Medical Weekly Exam

| Week    | Lecture | Syllabus   |
|---------|---------|--|
| Week-01 | GK      | Introduction to Bangladesh, Geography, Area and Border of Bangladesh, Boundary, Enclave, National Affairs of Bangladesh, Geography, Hills and Mountains, Valley, Waterfalls, Lakes, Fountains, Beel, Haor and Baor, Geographical Surname, Soil, Agricultural Resources, Forest Resources of Bangladesh. [Ref: GKE QB, Page (01-09)]  |
|         | English | Noun & Its Classification, Noun & Determiners, Number, Gender, Pronoun & Its Classification, Uses of Pronoun, Synonym & Antonym (A-B). [Ref: GKE QB, Page (131-139)]   |
| Week-02 | GK      | Fuel, Electricity and Mineral Resources, Fisheries and Livestock, Bay of Bengal, Sea Beach of Bangladesh and Islands, Rivers of Bangladesh, Water Sharing Treaty, Irrigation Project, Dams and Flood Control, Water Refinery of Bangladesh, Natural Disaster of Bangladesh. [Ref: GKE QB, Page (10-17)]  |
|         | English | Adjective & Its Classification, Degree of Comparison, Adverb & Its Classification, Inversion, Preposition & Its Classification, Uses of Some Prepositions, Spelling, Appropriate preposition (A-B). [Ref: GKE QB, Page (140-150)]  |
| Week-03 | GK      | History and Townships of Ancient Bengal, Different Regimes in Ancient Bengal, Muslim Rule in the Subcontinent, Mughal Empire in the Subcontinent, Muslim Rule in Bengal, Arrival of Europeans and British Rule, Various Reform Movements and Awakening of Bengal, Political Rights Movement, British-India. [Ref: GKE QB, Page (18-29)]  |
|         | English | Conjunction, Linkers & Interjection, Same Word but Different Parts of Speech, Transformation of Parts of Speech, Identification of Parts of Speech, Synonym & Antonym (C-D). [Ref: GKE QB, Page (151-160)]   |
| Week-04 | GK      | Partition of the Country and the Establishment of Awami Muslim League, Language Movement, Various Stages of the Independence Movement, Blazing March, Mujibnagar Government, War Strategy of the Liberation war, Genocide and Intellectual Killings, Surrender of the Pakistani Forces, The Role of International Public Opinion and Mass Media in the Liberation War. [Ref: GKE QB, Page (30-40)] |
|         | English | Verb & Its Classification, Gerund, Participle & Verbal Noun Affirmative & Negative Agreement, Conjugation of Verbs, Appropriate preposition (C-D), Synonym & Antonym (E-F). [Ref: GKE QB, Page (161-168)]  |

## Bangla, English & GK Weekly Syllabus for Varsity 'Kha' Weekly Exam

| Week    | Lecture                    | Syllabus  |
|---------|----------------------------|---|
| Week-01 | Bangla                     | বাংলা ১ম পত্র: গদ্য: অপরিচিতা; কবিতা: সোনার তরী। লিখিত প্রশ্ন: পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।<br>বাংলা ২য় পত্র: বাংলা সাহিত্যের ইতিহাস, ভাষা, বাংলা ভাষার উৎপত্তি ও বিকাশ, সাধু ও চলিত ভাষা, আঞ্চলিক ও প্রমিত রীতি, ব্যাকরণ ও এর আলোচনা বিষয়, এক কথায় প্রকাশ; (ভাসিটি 'খ' প্রিপারেশন বুক পৃ.৪৭৩-পৃ.৪৭৪)। লিখিত প্রশ্ন: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)। |
|         | English                    | Basic Sentence Structure, Subject, Verb (Finite vs Non-finite), Object, Complement, Adjunct, Embedded Question, Unit-1 (Lesson-01), Appropriate Preposition (A-B), Idioms & Phrases (A-B), Vocabulary (A-B), Spelling (A-B), Group Verbs (A-B).   |
|         | GK (Bangladesh Affairs)    | Origin And Development Of The Bengali Nation, Settlements Of Ancient Bengal, Empires Of Ancient India, Muslim Rule In The Subcontinent, Muslim Rule In Bengal And Mughal Rule In The Subcontinent, Arrival Of Europeans In The Subcontinent, British Rule In The Subcontinent, Rebellions And Reform Movements In The Subcontinent, British India.  |
| Week-02 | Bangla                     | বাংলা ১ম পত্র: গদ্য: বায়ম্নর দিনগুলো; কবিতা: প্রতিদান। লিখিত প্রশ্ন: পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।<br>বাংলা ২য় পত্র: ধ্বনি ও বর্ণ, বর্ণের উচ্চারণ, অভিধান, যতিচিহ্ন, এক কথায় প্রকাশ; (ভাসিটি 'খ' প্রিপারেশন বুক পৃ.৪৭৫-পৃ.৪৭৬)। লিখিত প্রশ্ন: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।   |
|         | English                    | Noun & Determiner, Article, Number, Gender, Unit-1 (Lesson-02), Unit-1 (Lesson-03), Appropriate Preposition (C-D), Idioms & Phrases (C-D), Vocabulary (C-D), Spelling (C-D), Group Verbs (C-D).   |
|         | GK (International Affairs) | Introduction To The Earth, World Civilization; Languages, Nations, And Tribes, Asia, Europe, Africa, North America, South America, Oceania And Antarctica ; Currencies Around The World; Capitals, Legislatures, Cities, And Geographical Nicknames.  |
| Week-03 | Bangla                     | বাংলা ১ম পত্র: গদ্য: আমার পথ। লিখিত প্রশ্ন: পাঠের মূলভাব লিখন, উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।<br>বাংলা ২য় পত্র: উচ্চারণের নিয়ম, বচন, নির্দেশক, বাগর্থ। লিখিত প্রশ্ন: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।  |
|         | English                    | Pronoun & Antecedent, Parallelism, Punctuation, Unit- 2 (Lesson: 1), Unit- 2 (Lesson:2, 3), Appropriate Preposition (E-G), Idioms & Phrases, (E-G), Vocabulary (E-G), Spelling (E-G), Group Verbs (E-G).  |
|         | GK (Bangladesh Affairs)    | Birth Of The State Of Pakistan, Language Movement, 1954 United Front Election, Stages Of The Independence Movement (1955 Mari Agreement, Pakistan's First Constitution-1956, Kagmari Conference-1957, Martial Law Declaration-1958, Basic Democracy-1959, Education Movement-1962, Presidential Election-1965, Six-Point Movement, Historic Agartala Conspiracy Case, 1969 Mass Uprising, 1970 General Election.  |
| Week-04 | Bangla                     | বাংলা ১ম পত্র: কবিতা: বিদ্রোহী। লিখিত প্রশ্ন: কবিতার মূলভাব লিখন, কবিতার উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।<br>বাংলা ২য় পত্র: বানান ও বানান শুদ্ধি, গ-ত্ব ও ষ-ত্ব বিধান, বাগধারা ও প্রবাদ-প্রবচন; (ভাসিটি 'খ' প্রিপারেশন বুক পৃ.৪৬৪-পৃ.৪৬৬)। লিখিত প্রশ্ন: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।   |
|         | English                    | Adjective & Comparison of Degrees, Conditionals, Analogy, Unit- 2 (Lesson: 4), Unit- 3 (Lesson: 1, 3), Appropriate Preposition (H-I), Idioms & Phrases (H-I), Vocabulary (H-I), Spelling (H-I), Group Verbs (H-I).  |
|         | GK (International Affairs) | Important Seas, Oceans, Gulfs, Islands, Peninsulas, And Seaports Of The World, Important Rivers, Lakes, Waterfalls, Straits, Canals, Channels, And Capes Of The World, Renowned Mountains And Deserts, Boundaries Of The World, Famous Squares, Triangles, And Circles, Settlements, Controlled Areas, And Special Regions Introduction.  |

Sun-Tue-Thu Batch

# Udvas Academic & Admission Care

## Varsity 'KA' & Guccho Admission Program-2024

**Science Lab**  
01970086912

|  |   |
|--|---|
| <b>Offline Orientation Class: 8 September</b>                    | <b>Online Orientation Class: 31 August</b>    |
| <b>Offline Class Start: 10 September</b>                         | <b>Marathon Live class Start: 1 September</b> |
| <b>Step-1: Class &amp; Exam Routine (1 September-11 October)</b> |   |

| Date      | Day       | Offline Class (Self Batch Time)  | Offline Daily Exam (Self Batch Time) | Marathon Live Class (EV-3.00pm & BV-07:30pm)  | Daily Live Exam (Same Day 11:00pm to Next Day 11:00pm) | Practice Exam MCQ (Same Day 11:00pm to Program End) |
|-----------|-----------|--|--------------------------------------|---|--|---|
| 31-Aug-24 | Saturday  | -  | -                                    | <b>Online Orientation Class (09:00pm)</b>   |  |   |
| 01-Sep-24 | Sunday    | -  | -                                    | P-01 Part-01  | P-01 Part-01 MCQ (15) + Wri. (1)                       | P-01 Part-01 (15)                                   |
| 02-Sep-24 | Monday    | -  | -                                    | P-01 Part-02  | P-01 Part-02 MCQ (15) + Wri. (1)                       | P-01 Part-02 (15)                                   |
| 03-Sep-24 | Tuesday   | -  | -                                    | C-01 Part-01  | C-01 Part-01 MCQ (15) + Wri. (1)                       | C-01 Part-01 (15)                                   |
| 04-Sep-24 | Wednesday | -  | -                                    | C-01 Part-02  | C-01 Part-02 MCQ (15) + Wri. (1)                       | C-01 Part-02 (15)                                   |
| 05-Sep-24 | Thursday  | -  | -                                    | M-01 Part-01  | M-01 Part-01 MCQ (15) + Wri. (1)                       | M-01 Part-01 (15)                                   |
| 06-Sep-24 | Friday    | -  | -                                    | M-01 Part-02  | M-01 Part-02 MCQ (15) + Wri. (1)                       | M-01 Part-02 (15)                                   |
| 07-Sep-24 | Saturday  | -  | -                                    | Bio-01 Part-01+02   | Bio-01 MCQ (30) + Wri. (2)                             | Bio-01 (30)   |
| 08-Sep-24 | Sunday    | <b>Offline Orientation Class (Self Batch Time)</b>   |                                      | Ba-01 Part-01+02  | Ba-01 MCQ (30) + Wri. (2)                              | Ba-01 (30)  |
| 09-Sep-24 | Monday    | -  | -                                    | E-01 Part-01+02   | E-01 MCQ (30) + Wri. (2)                               | E-01 (30)   |
| 10-Sep-24 | Tuesday   | C-01   | Introductory Exam MCQ (25)           | C-02 Part-01  | C-02 Part-01 MCQ (15) + Wri. (1)                       | C-02 Part-01 (15)                                   |
| 11-Sep-24 | Wednesday | -  | -                                    | C-02 Part-02  | C-02 Part-02 MCQ (15) + Wri. (1)                       | C-02 Part-02 (15)                                   |
|           |           |  |                                      | <b>Varsity 'Ka' Weekly Live Exam-01: (P<sub>1</sub>+C<sub>1</sub>+M<sub>1</sub>+Bio<sub>1</sub>/Ba/E) [11-21 Sep]</b> |  | Varsity 'Ka' W-01 (60)                              |
|           |           |  |                                      | <b>Medical Weekly Live Exam-01: (Bio<sub>1</sub>+C<sub>1</sub>+P<sub>1</sub>+ GK+ E) [11-21 Sep]</b>                  |  | Medical W-01 (100)                                  |
| 12-Sep-24 | Thursday  | M-01   | C-01 MCQ (20) + Wri. (1)             | M-02 Part-01  | M-02 Part-01 MCQ (15) + Wri. (1)                       | M-02 Part-01 (15)                                   |
| 13-Sep-24 | Friday    | -  | -                                    | M-02 Part-02  | M-02 Part-02 MCQ (15) + Wri. (1)                       | M-02 Part-02 (15)                                   |
| 14-Sep-24 | Saturday  | -  | -                                    | Bio-02 Part-01+02   | Bio-02 MCQ (30) + Wri. (2)                             | Bio-02 (30)   |
|           |           |  |                                      | <b>Varsity 'Kha' Weekly Live Exam-01: (Ba+E+GK) [14-20 Sep]</b>   |  | Varsity 'Kha' W-01 (60)                             |
| 15-Sep-24 | Sunday    | Bio-01   | M-01 MCQ (20) + Wri. (1)             | P-02 Part-01  | P-02 Part-01 MCQ (15) + Wri. (1)                       | P-02 Part-01 (15)                                   |
| 16-Sep-24 | Monday    | -  | -                                    | P-02 Part-02  | P-02 Part-02 MCQ (15) + Wri. (1)                       | P-02 Part-02 (15)                                   |
| 17-Sep-24 | Tuesday   | P-01   | Bio-01 MCQ (20) + Wri. (1)           | E-02 Part-01+02   | E-02 MCQ (30) + Wri. (2)                               | E-02 (30)   |
| 18-Sep-24 | Wednesday | -  | -                                    | Ba-02 Part-01+02  | Ba-02 MCQ (30) + Wri. (2)                              | Ba-02 (30)  |
| 19-Sep-24 | Thursday  | P-02   | P-01 MCQ (20) + Wri. (1)             | M-03 Part-01  | M-03 Part-01 MCQ (15) + Wri. (1)                       | M-03 Part-01 (15)                                   |
| 20-Sep-24 | Friday    | <b>*Varsity 'Kha' Offline Weekly Exam-01: (Ba+E+GK)</b>  |                                      | M-03 Part-02  | M-03 Part-02 MCQ (15) + Wri. (1)                       | M-03 Part-02 (15)                                   |
| 21-Sep-24 | Saturday  | <b>Varsity 'Ka' Offline Weekly Exam-01: (P<sub>1</sub>+C<sub>1</sub>+M<sub>1</sub>+Bio<sub>1</sub>/Ba/E)</b> |                                      | Bio-03 Part-01+02   | Bio-03 MCQ (30) + Wri. (2)                             | Bio-03 (30)   |
|           |           | <b>**Medical Offline Weekly Exam-01: (Bio<sub>1</sub>+C<sub>1</sub>+P<sub>1</sub>+ GK+E)</b>                 |                                      | <b>Varsity 'Kha' Weekly Live Exam-02: (Ba+E+GK) [21-27 Sep]</b>   |  | Varsity 'Kha' W-02 (60)                             |
| 22-Sep-24 | Sunday    | C-02   | P-02 MCQ (20) + Wri. (1)             | <b>Varsity 'Ka' Weekly Live Exam-02: (P<sub>2</sub>+C<sub>2</sub>+M<sub>2</sub>+Bio<sub>2</sub>/Ba/E) [22-30 Sep]</b> |  | Varsity 'Ka' W-02 (60)                              |
|           |           |  |                                      | <b>Medical Weekly Live Exam-02: (Bio<sub>2</sub>+C<sub>2</sub>+P<sub>2</sub>+ GK+ E) [22-30 Sep]</b>                  |  | Medical W-02 (100)                                  |
|           |           |  |                                      | P-03 Part-01  | P-03 Part-01 MCQ (15) + Wri. (1)                       | P-03 Part-01 (15)                                   |
| 23-Sep-24 | Monday    | -  | -                                    | P-03 Part-02  | P-03 Part-02 MCQ (15) + Wri. (1)                       | P-03 Part-02 (15)                                   |
| 24-Sep-24 | Tuesday   | M-02   | C-02 MCQ (20) + Wri. (1)             | C-03 Part-01  | C-03 Part-01 MCQ (15) + Wri. (1)                       | C-03 Part-01 (15)                                   |
| 25-Sep-24 | Wednesday | -  | -                                    | C-03 Part-02  | C-03 Part-02 MCQ (15) + Wri. (1)                       | C-03 Part-02 (15)                                   |
| 26-Sep-24 | Thursday  | Bio-02   | M-02 MCQ (20) + Wri. (1)             | Ba-03 Part-01+02  | Ba-03 MCQ (30) + Wri. (2)                              | Ba-03 (30)  |
| 27-Sep-24 | Friday    | <b>*Varsity 'Kha' Offline Weekly Exam-02: (Ba+E+GK)</b>  |                                      | E-03 Part-01+02   | E-03 MCQ (30) + Wri. (2)                               | E-03 (30)   |
| 28-Sep-24 | Saturday  | -  | -                                    | Bio-04 Part-01+02   | Bio-04 MCQ (30) + Wri. (2)                             | Bio-04 (30)   |
|           |           |  |                                      | <b>Varsity 'Kha' Weekly Live Exam-03: (Ba+E+GK) [28 Sep-04 Oct]</b>   |  | Varsity 'Kha' W-03 (60)                             |
| 29-Sep-24 | Sunday    | Bio-03   | Bio-02 MCQ (20) + Wri. (1)           | P-04 Part-01  | P-04 Part-01 MCQ (15) + Wri. (1)                       | P-04 Part-01 (15)                                   |
| 30-Sep-24 | Monday    | <b>Varsity 'Ka' Offline Weekly Exam-02: (P<sub>2</sub>+C<sub>2</sub>+M<sub>2</sub>+Bio<sub>2</sub>/Ba/E)</b> |                                      | P-04 Part-02  | P-04 Part-02 MCQ (15) + Wri. (1)                       | P-04 Part-02 (15)                                   |
|           |           | <b>**Medical Offline Weekly Exam-02: (Bio<sub>2</sub>+C<sub>2</sub>+P<sub>2</sub>+ GK+E)</b>                 |                                      |   |  |   |
| 1-Oct-24  | Tuesday   | P-03   | Bio-03 MCQ (20) + Wri. (1)           | <b>Varsity 'Ka' Weekly Live Exam-03: (P<sub>3</sub>+C<sub>3</sub>+M<sub>3</sub>+Bio<sub>3</sub>/Ba/E) [01-09 Oct]</b> |  | Varsity 'Ka' W-03 (60)                              |
|           |           |  |                                      | <b>Medical Weekly Live Exam-03: (Bio<sub>3</sub>+C<sub>3</sub>+P<sub>3</sub>+ GK+ E) [01-09 Oct]</b>                  |  | Medical W-03 (100)                                  |
|           |           |  |                                      | C-04 Part-01  | C-04 Part-01 MCQ (15) + Wri. (1)                       | C-04 Part-01 (15)                                   |
| 2-Oct-24  | Wednesday | -  | -                                    | C-04 Part-02  | C-04 Part-02 MCQ (15) + Wri. (1)                       | C-04 Part-02 (15)                                   |
| 3-Oct-24  | Thursday  | C-03   | P-03 MCQ (20) + Wri. (1)             | M-04 Part-01  | M-04 Part-01 MCQ (15) + Wri. (1)                       | M-04 Part-01 (15)                                   |
| 4-Oct-24  | Friday    | <b>*Varsity 'Kha' Offline Weekly Exam-03: (Ba+E+GK)</b>  |                                      | M-04 Part-02  | M-04 Part-02 MCQ (15) + Wri. (1)                       | M-04 Part-02 (15)                                   |

|           |           |  |                          |   |                                  |                         |
|-----------|-----------|--|--------------------------|---|----------------------------------|-------------------------|
| 5-Oct-24  | Saturday  | -  | -                        | ICT-01 Part-01+02   | ICT-01 MCQ (40)                  | ICT-01 (40)             |
|           |           |  |                          | Varsity 'Kha' Weekly Live Exam-04: (Ba+E+GK) [05-11 Oct]  |                                  | Varsity 'Kha' W-04 (60) |
| 6-Oct-24  | Sunday    | M-03   | C-03 MCQ (20) + Wri. (1) | Ba-04 Part-01+02  | Ba-04 MCQ (30) + Wri. (2)        | Ba-04 (30)              |
| 7-Oct-24  | Monday    | -  | -                        | E-04 Part-01+02   | E-04 MCQ (30) + Wri. (2)         | E-04 (30)               |
| 8-Oct-24  | Tuesday   | M-04   | M-03 MCQ (20) + Wri. (1) | C-05 Part-01  | C-05 Part-01 MCQ (15) + Wri. (1) | C-05 Part-01 (15)       |
| 9-Oct-24  | Wednesday | Varsity 'Ka' Offline Weekly Exam-03:(P <sub>3</sub> +C <sub>3</sub> +M <sub>3</sub> +Bio <sub>3</sub> /Ba/E) |                          | C-05 Part-02  | C-05 Part-02 MCQ (15) + Wri. (1) | C-05 Part-02 (15)       |
|           |           | **Medical Offline Weekly Exam-03:(Bio <sub>3</sub> +C <sub>3</sub> +P <sub>3</sub> + GK+ E)                  |                          |   |                                  |                         |
| 10-Oct-24 | Thursday  | Bio-04   | M-04 MCQ (20) + Wri. (1) | Varsity 'Ka' Weekly Live Exam-04:(P <sub>4</sub> +C <sub>4</sub> +M <sub>4</sub> +Bio <sub>4</sub> /Ba/E) [09-20 Oct] |                                  | Varsity 'Ka' W-04 (60)  |
|           |           |  |                          | Medical Weekly Live Exam-04:(Bio <sub>4</sub> +C <sub>4</sub> +P <sub>4</sub> + GK+ E) [09-20 Oct]                    |                                  | Medical W-04 (100)      |
|           |           |  |                          | M-05 Part-01  | M-05 Part-01 MCQ (15) + Wri. (1) | M-05 Part-01 (15)       |
| 11-Oct-24 | Friday    | *Varsity 'Kha' Offline Weekly Exam-04: (Ba+E+GK)   |                          | M-05 Part-02  | M-05 Part-02 MCQ (15) + Wri. (1) | M-05 Part-02 (15)       |

**Note:** \*Marked examinations are for students of "Varsity 'Kha' Special Course". \*\* Marked exams are for students of "Medical Exam Batch".

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>➤ Varsity 'Ka' Offline Daily Exam 20 minutes</li> <li>➤ Varsity 'Ka' Offline Weekly Exam 1 Hour 30 Minutes [MCQ (60×1=60); Written 40 Marks]</li> <li>➤ Varsity 'Kha' Offline Weekly Exam 1 Hour 30 Minutes [MCQ (60×1=60) 45 Min.; Written (40) 45 Min.]</li> <li>➤ Medical Offline Weekly Exam 55 Minutes [MCQ (100×1=100)]</li> <li>➤ To enjoy the online services, just join-online.udvash-unmesh.com</li> </ul> | <ul style="list-style-type: none"> <li>➤ Varsity 'A' Daily Live Exam 15 minutes</li> <li>➤ Varsity 'A' Weekly Live Exam 1 hour 45 minutes [MCQ (60×1=60); Written 40 Marks]</li> <li>➤ Varsity 'B' Weekly Live Exam 1 Hour 30 Minutes [MCQ (60×1=60) 40 Min.; Written (40) 50 Min.]</li> <li>➤ Medical Weekly Live Exam 55 minutes [MCQ (100×1=100)]</li> <li>➤ Varsity Facebook Private Group: <a href="https://cutt.ly/VAPKA24">https://cutt.ly/VAPKA24</a></li> </ul> |
|---|--|

## Varsity 'KA' & Guccho Syllabus-2024 (Step-01)

| Offline Class | Marathon Live | Physics   |
|---------------|---------------|---|
| P-01          | Part-01       | <b>1st Paper Chapter-02:</b> Vector [ Quantity – Vector in 3D Coordinate System]  |
|               | Part-02       | <b>1st Paper Chapter-02:</b> Vector [ Vector Multiplication – Vector Calculus]  |
| P-02          | Part-01       | <b>1st Paper Chapter-04:</b> Newtonian Mechanics [ Force – Conservation of Momentum, Impulsive Force, Collision, Friction]  |
|               | Part-02       | <b>1st Paper Chapter-04:</b> Newtonian Mechanics [ Moment of Inertia – Banking Angle]   |
| P-03          | Part-01       | <b>1st Paper Chapter-05:</b> Work, Energy & Power   |
|               | Part-02       | <b>1st Paper Chapter-08:</b> Periodic Motion  |
| P-04          | Part-01       | <b>1st Paper Chapter-06:</b> Gravitation and Gravity [ Gravitation – Escape Velocity]   |
|               | Part-02       | <b>1st Paper Chapter-07:</b> Structural Properties of Matter [ Speed of Satellite, Structural Properties of Matter (Partial)]   |
| Offline Class | Marathon Live | Chemistry   |
| C-01          | Part-01       | <b>1st Paper Chapter-03:</b> Periodic properties of elements and chemical bond. [Upto periodic properties]  |
|               | Part-02       | <b>1st Paper Chapter-03:</b> Periodic properties of elements and chemical bond. [Chemical bond]   |
| C-02          | Part-01       | <b>1st Paper Chapter-02:</b> Qualitative Chemistry [Atomic model, principle of electronic configuration, quantum number, spectrum]  |
|               | Part-02       | <b>1st Paper Chapter-02:</b> Qualitative Chemistry [Solubility, solubility product and identification of ions]  |
| C-03          | Part-01       | <b>2nd Paper Chapter-03:</b> Stoichiometric chemistry [Mole, chemical reactions, coefficient ratio formula, concentration]  |
|               | Part-02       | <b>2nd Paper Chapter-03:</b> Stoichiometric chemistry [Oxidation-reduction, acid-base titration]  |
| C-04          | Part-01       | <b>2nd Paper Chapter-01:</b> Environmental chemistry [Gas laws, ideal and real gases]   |
|               | Part-02       | <b>2nd Paper Chapter-01:</b> Environmental chemistry [Law of diffusion, Dalton's partial pressure formula, kinetics of gases, Standard of the purity of water]  |
| C-05          | Part-01       | <b>1st Paper Chapter-04:</b> Chemical change [Green Chemistry, Chemical Equilibrium]  |
|               | Part-02       | <b>1st Paper Chapter-04:</b> Chemical change [Acid-base balance]  |
| Offline Class | Marathon Live | Math  |
| M-01          | Part-01       | <b>1st Paper Chapter-03:</b> Straight Line [From Coordinate System to all types of equations of straight line]  |
|               | Part-02       | <b>1st Paper Chapter-03:</b> Straight Line [From equations of straight line (All problems) to image]  |
| M-02          | Part-01       | <b>1st Paper Chapter-04:</b> Circle [Conditions for being a circle, equation of circle in various cases, Polar equation of circle, equation of circle touching-intersecting the axes, Upto equation of circle passing through intersection point] |
|               | Part-02       | <b>1st Paper Chapter-04:</b> Circle [Locus related to circle, image of circle with respect to straight line, Secant and tangent to circle, relative position of two circles, Common tangent]  |
| M-03          | Part-01       | <b>2nd Paper Chapter-06:</b> Conics [Conic identification and Parabola]   |
|               | Part-02       | <b>2nd Paper Chapter-06:</b> Conics [Ellipse and Hyperbola]   |
| M-04          | Part-01       | <b>2nd Paper Chapter-03:</b> Complex Number [Power of i, series, rotation, concept of complex number, modulus, argument of A + iB, polar form, multiplication-division, power, conjugate complex number]  |
|               | Part-02       | <b>2nd Paper Chapter-03:</b> Complex Number [Root, Proof under conditions, determination of values, locus, resolution into factors]   |
| M-05          | Part-01       | <b>2nd Paper Chapter-04:</b> Polynomial and Polynomial Equations [Introduction to polynomial functions, forming equation from roots, discriminant of quadratic equation, graph of polynomial functions, relation between roots and Coefficients ] |
|               | Part-02       | <b>2nd Paper Chapter-04:</b> Polynomial and Polynomial Equations [General root, Symmetric expressions, Symmetric roots]<br><b>1st Paper Chapter-01:</b> Matrix and Determinant.   |

| Offline Class | Marathon Live | Biology  |
|---------------|---------------|--|
| Bio-01        | Part-01       | <b>2nd Paper</b> Chapter-04: Human Physiology : Blood and Circulation [Upto Blood Vessels]   |
|               | Part-02       | <b>2nd Paper</b> Chapter-04: Human Physiology : Blood and Circulation [Heart to End]   |
| Bio-02        | Part-01       | <b>1st Paper</b> Chapter-04: Micro-organisms [Viruses]   |
|               | Part-02       | <b>1st Paper</b> Chapter-04: Micro-organisms [Bacteria, Malaria]   |
| Bio-03        | Part-01       | <b>2nd Paper</b> Chapter-03: Human Physiology : Digestion and Absorption [Upto Pancreas]   |
|               | Part-02       | <b>2nd Paper</b> Chapter-03: Human Physiology : Digestion and Absorption [From Pancreas to End]  |
| Bio-04        | Part-01       | <b>1st Paper</b> Chapter-01: Cell and its Structure [Upto Cell Vacuole]  |
|               | Part-02       | <b>1st Paper</b> Chapter-01: Cell and Its Structure [From Nucleus to End]  |
| Marathon Live |               | Bangla   |
| Ba-01         | Part-01       | <b>বাংলা ১ম পত্র:</b> গদ্য: অপরিচিতা; কবিতা: সোনার তরী।<br><b>লিখিত প্রস্তুতি:</b> পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।   |
|               | Part-02       | <b>বাংলা ২য় পত্র:</b> বাংলা সাহিত্যের ইতিহাস, ভাষা, বাংলা ভাষার উৎপত্তি ও বিকাশ, সাধু ও চলিত ভাষা, আঞ্চলিক ও প্রমিত স্রীতি, ব্যাকরণ ও এর আলোচ্য বিষয়, ধ্বনি ও বর্ণ, বর্ণের উচ্চারণ, যতিচিহ্ন, এক কথায় প্রকাশ।<br><b>লিখিত প্রস্তুতি:</b> ব্যাকরণ সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।   |
| Ba-02         | Part-01       | <b>বাংলা ১ম পত্র:</b> গদ্য: আমার পথ। কবিতা: বিদ্রোহী। কবিতা: প্রতিদান।<br><b>লিখিত প্রস্তুতি:</b> গদ্য/কবিতার মূলভাব লিখন, উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।   |
|               | Part-02       | <b>বাংলা ২য় পত্র:</b> উচ্চারণের নিয়ম, বচন, বানান ও বানান শুদ্ধি, ণ-ত্ব ও ষ-ত্ব বিধান, বাগধারা ও বাগর্থ, প্রবাদ-প্রবচন।<br><b>লিখিত প্রস্তুতি:</b> ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।   |
| Ba-03         | Part-01       | <b>বাংলা ১ম পত্র:</b> গদ্য: বিলাসী। গদ্য: মাসি-পিসি। কবিতা: তাহায়েই পড়ে মনে।<br><b>লিখিত প্রস্তুতি:</b> পাঠের মূলভাব লিখন, গদ্য/কবিতার উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।  |
|               | Part-02       | <b>বাংলা ২য় পত্র:</b> সন্ধি, শব্দদ্বিত্ব, বাক্য প্রকরণ, বাংলা ভাষার ব্যাকরণিক শব্দশ্রেণি, উপসর্গ।<br><b>লিখিত প্রস্তুতি:</b> ব্যাকরণ সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত), সারাংশ/সারমর্ম।   |
| Ba-04         | Part-01       | <b>বাংলা ১ম পত্র:</b> গদ্য: রেইনকোট। কবিতা: আমি কিংবদন্তির কথা বলছি। কবিতা: আঠারো বছর বয়স।<br><b>লিখিত প্রস্তুতি:</b> পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।   |
|               | Part-02       | <b>বাংলা ২য় পত্র:</b> ক্রিয়ার কাল, ক্রিয়ার ভাব, ক্রিয়া-বিভক্তি, সমাস, পারিভাষিক শব্দ।<br><b>লিখিত প্রস্তুতি:</b> ব্যাকরণ সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত), অনুবাদ, ভাব-সম্প্রসারণ লিখন।   |
| Marathon Live |               | English  |
| E-01          | Part-01       | Parts of Speech Identification and Transformation.   |
|               | Part-02       | Noun, Number.  |
| E-02          | Part-01       | Gender, Pronoun, Appropriate Preposition (A-B).  |
|               | Part-02       | Preposition & Conjunction, Synonym & Antonym (A-D).  |
| E-03          | Part-01       | Verb types.  |
|               | Part-02       | Gerund-Participle-Verbal Noun, Modal Auxiliaries.  |
| E-04          | Part-01       | Right Form of Verbs, Spelling, Synonym & Antonym (E-H).  |
|               | Part-02       | Subject-Verb Agreement, Appropriate Preposition (C-F).   |
| Marathon Live |               | ICT  |
| ICT-01        | Part-01       | <b>Chapter 03:</b> Number Systems and Digital Devices (History of Number Systems, Number System Conversion, Binary Addition and Subtraction, Signed Numbers and 2's Complement, Various Codes, Boolean Algebra, Boolean Theorems and Truth Table, De Morgan's Theorem, Different Types of Gates.)  |
|               | Part-02       | <b>Chapter 03:</b> Number Systems and Digital Devices(Encoder, Decoder, Adder, Register, Counter, Flip-Flop.)<br><b>Chapter 01:</b> Information and Communication Technology: Global and Bangladesh Perspective (Concept and Elements of the Global Village, Virtual Reality, Bioinformatics, Genetic Engineering, Nanotechnology, Impact of ICT in Modern Times.) |

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

| Week    | Lecture | Syllabus  |
|---------|---------|---|
| Week-01 | Bangla  | <b>বাংলা ১ম পত্র-</b> অপরিচিতা। <b>বাংলা ২য় পত্র-</b> বাংলা সাহিত্যের ইতিহাস, ভাষা, বাংলা ভাষার উৎপত্তি ও বিকাশ, সাধু ও চলিত ভাষা, আঞ্চলিক ও প্রমিত স্রীতি, ব্যাকরণ ও এর আলোচ্য বিষয়। |
|         | English | Parts of Speech Identification and Transformation, Noun, Number.  |
| Week-02 | Bangla  | <b>বাংলা ১ম পত্র-</b> সোনার তরী। <b>বাংলা ২য় পত্র-</b> ধ্বনি ও বর্ণ, বর্ণের উচ্চারণ, যতিচিহ্ন, এক কথায় প্রকাশ।  |
|         | English | Gender, Pronoun, Preposition & Conjunction, Synonym & Antonym (A-D), Appropriate Preposition (A,B).   |
| Week-03 | Bangla  | <b>বাংলা ১ম পত্র-</b> প্রতিদান, বিদ্রোহী। <b>বাংলা ২য় পত্র-</b> উচ্চারণের নিয়ম, বচন, বানান ও বানান শুদ্ধি।  |
|         | English | Verb types, Gerund-Participle-Verbal Noun, Modal Auxiliaries.   |
| Week-04 | Bangla  | <b>বাংলা ১ম পত্র-</b> আমার পথ, তাহায়েই পড়ে মনে। <b>বাংলা ২য় পত্র-</b> ণ-ত্ব ও ষ-ত্ব বিধান, বাগধারা ও বাগর্থ, প্রবাদ-প্রবচন।  |
|         | English | Subject-Verb Agreement, Right Form of Verbs, Spelling, Synonym & Antonym (E-H), Appropriate Preposition (C-F)   |

## GK & English Syllabus for Medical Weekly Exam

| Week    | Lecture | Syllabus   |
|---------|---------|--|
| Week-01 | GK      | Introduction to Bangladesh, Geography, Area and Border of Bangladesh, Boundary, Enclave, National Affairs of Bangladesh, Geography, Hills and Mountains, Valley, Waterfalls, Lakes, Fountains, Beel, Haor and Baor, Geographical Surname, Soil, Agricultural Resources, Forest Resources of Bangladesh. [Ref: GKE QB, Page (01-09)]  |
|         | English | Noun & Its Classification, Noun & Determiners, Number, Gender, Pronoun & Its Classification, Uses of Pronoun, Synonym & Antonym (A-B). [Ref: GKE QB, Page (131-139)]   |
| Week-02 | GK      | Fuel, Electricity and Mineral Resources, Fisheries and Livestock, Bay of Bengal, Sea Beach of Bangladesh and Islands, Rivers of Bangladesh, Water Sharing Treaty, Irrigation Project, Dams and Flood Control, Water Refinery of Bangladesh, Natural Disaster of Bangladesh. [Ref: GKE QB, Page (10-17)]  |
|         | English | Adjective & Its Classification, Degree of Comparison, Adverb & Its Classification, Inversion, Preposition & Its Classification, Uses of Some Prepositions, Spelling, Appropriate preposition (A-B). [Ref: GKE QB, Page (140-150)]  |
| Week-03 | GK      | History and Townships of Ancient Bengal, Different Regimes in Ancient Bengal, Muslim Rule in the Subcontinent, Mughal Empire in the Subcontinent, Muslim Rule in Bengal, Arrival of Europeans and British Rule, Various Reform Movements and Awakening of Bengal, Political Rights Movement, British-India. [Ref: GKE QB, Page (18-29)]  |
|         | English | Conjunction, Linkers & Interjection, Same Word but Different Parts of Speech, Transformation of Parts of Speech, Identification of Parts of Speech, Synonym & Antonym (C-D). [Ref: GKE QB, Page (151-160)]   |
| Week-04 | GK      | Partition of the Country and the Establishment of Awami Muslim League, Language Movement, Various Stages of the Independence Movement, Blazing March, Mujibnagar Government, War Strategy of the Liberation war, Genocide and Intellectual Killings, Surrender of the Pakistani Forces, The Role of International Public Opinion and Mass Media in the Liberation War. [Ref: GKE QB, Page (30-40)] |
|         | English | Verb & Its Classification, Gerund, Participle & Verbal Noun Affirmative & Negative Agreement, Conjugation of Verbs, Appropriate preposition (C-D), Synonym & Antonym (E-F). [Ref: GKE QB, Page (161-168)]  |

## Bangla, English & GK Weekly Syllabus for Varsity 'Kha' Weekly Exam

| Week    | Lecture                    | Syllabus  |
|---------|----------------------------|---|
| Week-01 | Bangla                     | বাংলা ১ম পত্র: গদ্য: অপরিচিতা; কবিতা: সোনার তরী। লিখিত প্রশ্ন: পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।<br>বাংলা ২য় পত্র: বাংলা সাহিত্যের ইতিহাস, ভাষা, বাংলা ভাষার উৎপত্তি ও বিকাশ, সাধু ও চলিত ভাষা, আঞ্চলিক ও প্রমিত রীতি, ব্যাকরণ ও এর আলোচনা বিষয়, এক কথায় প্রকাশ; (ভাসিটি 'খ' প্রিপারেশন বুক পৃ.৪৭৩-পৃ.৪৭৪)। লিখিত প্রশ্ন: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)। |
|         | English                    | Basic Sentence Structure, Subject, Verb (Finite vs Non-finite), Object, Complement, Adjunct, Embedded Question, Unit-1 (Lesson-01), Appropriate Preposition (A-B), Idioms & Phrases (A-B), Vocabulary (A-B), Spelling (A-B), Group Verbs (A-B).   |
|         | GK (Bangladesh Affairs)    | Origin And Development Of The Bengali Nation, Settlements Of Ancient Bengal, Empires Of Ancient India, Muslim Rule In The Subcontinent, Muslim Rule In Bengal And Mughal Rule In The Subcontinent, Arrival Of Europeans In The Subcontinent, British Rule In The Subcontinent, Rebellions And Reform Movements In The Subcontinent, British India.  |
| Week-02 | Bangla                     | বাংলা ১ম পত্র: গদ্য: বায়ম্নর দিনগুলো; কবিতা: প্রতিদান। লিখিত প্রশ্ন: পাঠের মূলভাব লিখন, উদ্ধৃত সংলাপ ও উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।<br>বাংলা ২য় পত্র: ধ্বনি ও বর্ণ, বর্ণের উচ্চারণ, অভিধান, যতিচিহ্ন, এক কথায় প্রকাশ; (ভাসিটি 'খ' প্রিপারেশন বুক পৃ.৪৭৫-পৃ.৪৭৬)। লিখিত প্রশ্ন: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।   |
|         | English                    | Noun & Determiner, Article, Number, Gender, Unit-1 (Lesson-02), Unit-1 (Lesson-03), Appropriate Preposition (C-D), Idioms & Phrases (C-D), Vocabulary (C-D), Spelling (C-D), Group Verbs (C-D).   |
|         | GK (International Affairs) | Introduction To The Earth, World Civilization; Languages, Nations, And Tribes, Asia, Europe, Africa, North America, South America, Oceania And Antarctica ; Currencies Around The World; Capitals, Legislatures, Cities, And Geographical Nicknames.  |
| Week-03 | Bangla                     | বাংলা ১ম পত্র: গদ্য: আমার পথ। লিখিত প্রশ্ন: পাঠের মূলভাব লিখন, উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।<br>বাংলা ২য় পত্র: উচ্চারণের নিয়ম, বচন, নির্দেশক, বাগর্থ। লিখিত প্রশ্ন: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।  |
|         | English                    | Pronoun & Antecedent, Parallelism, Punctuation, Unit- 2 (Lesson: 1), Unit- 2 (Lesson:2, 3), Appropriate Preposition (E-G), Idioms & Phrases, (E-G), Vocabulary (E-G), Spelling (E-G), Group Verbs (E-G).  |
|         | GK (Bangladesh Affairs)    | Birth Of The State Of Pakistan, Language Movement, 1954 United Front Election, Stages Of The Independence Movement (1955 Mari Agreement, Pakistan's First Constitution-1956, Kagmari Conference-1957, Martial Law Declaration-1958, Basic Democracy-1959, Education Movement-1962, Presidential Election-1965, Six-Point Movement, Historic Agartala Conspiracy Case, 1969 Mass Uprising, 1970 General Election.  |
| Week-04 | Bangla                     | বাংলা ১ম পত্র: কবিতা: বিদ্রোহী। লিখিত প্রশ্ন: কবিতার মূলভাব লিখন, কবিতার উদ্ধৃতি ব্যাখ্যা, লেখক পরিচিতি।<br>বাংলা ২য় পত্র: বানান ও বানান শুদ্ধি, গ-ত্ব ও ষ-ত্ব বিধান, বাগ্ধারা ও প্রবাদ-প্রবচন; (ভাসিটি 'খ' প্রিপারেশন বুক পৃ.৪৬৪-পৃ.৪৬৬)। লিখিত প্রশ্ন: ব্যাকরণ-সম্পর্কিত বিষয়াবলি (সংজ্ঞার্থ ও দৃষ্টান্ত)।  |
|         | English                    | Adjective & Comparison of Degrees, Conditionals, Analogy, Unit- 2 (Lesson: 4), Unit- 3 (Lesson: 1, 3), Appropriate Preposition (H-I), Idioms & Phrases (H-I), Vocabulary (H-I), Spelling (H-I), Group Verbs (H-I).  |
|         | GK (International Affairs) | Important Seas, Oceans, Gulfs, Islands, Peninsulas, And Seaports Of The World, Important Rivers, Lakes, Waterfalls, Straits, Canals, Channels, And Capes Of The World, Renowned Mountains And Deserts, Boundaries Of The World, Famous Squares, Triangles, And Circles, Settlements, Controlled Areas, And Special Regions Introduction.  |