Udvash Varsity Math Course-2024

Step-01: Class & Exam Routine (25 October To 29 November)

Date	Day	Offline Class (Self Batch Time)	Offline Daily Exam (Self Batch Time)	Marathon Live Class 9:00am (BV & EV)	Daily Live Exam (MCQ) (Same Day 11:00pm to Next Day 11:00pm)	Practice Exam (MCQ) (Same Day 11:00pm to Program End)
25-Oct-24	Friday	HM-01	Introductory	HM-01 Part-01+02	HM-01 MCQ (30) + Wri (5)	HM-01 (30)
01-Nov-24	Friday	HM-02	HM-01	HM-02 Part-01+02	HM-02 MCQ (30) + Wri (5)	HM-02 (30)
08-Nov-24	Friday	HM-03	HM-02	HM-03 Part-01+02	HM-03 MCQ (30) + Wri (5)	HM-03 (30)
15-Nov-24	Friday	HM-04	HM-03	HM-04 Part-01+02	HM-04 MCQ (30) + Wri (5)	HM-04 (30)
22-Nov-24	Friday	HM-05	HM-04	HM-05 Part-01+02	HM-05 MCQ (30) + Wri (5)	HM-05 (30)
29-Nov-24	Friday	HM-06	HM-05	HM-06 Part-01+02	HM-06 MCQ (30) + Wri (5)	HM-06 (30)

Note: Varsity Math Daily Offline Exam 20 minutes [MCQ (20×1=20) & Written (1×2.5=2.5)]
Varsity Math Daily Online Exam 30 minutes [MCQ (30×1=30) & Written (2×2.5=5)]

Varsity Math Syllabus (Subject: Higher Math)

Offline	Marathon	Paper & Chapter
HM-01	Part-01	**1st Paper Chapter-03:** Straight Line [From Coordinate System to all types of equations of straight line]
	Part-02	**1st Paper Chapter-03:** Straight Line [From equations of straight line (All problems) to image]
HM-02	Part-01	**1st Paper Chapter-04:** 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	**1st Paper Chapter-04:** 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]
HM-03	Part-01	**2nd Paper Chapter-06:** Conics [Conic identification and Parabola]
	Part-02	**2nd Paper Chapter-06:** Conics [Ellipse and Hyperbola]
HM-04	Part-01	**2nd Paper Chapter-03:** 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	**2nd Paper Chapter-03:** Complex Number [Root, Proof under conditions, determination of values, locus, resolution into factors]
HM-05	Part-01	**2nd Paper Chapter-04:** Polynomial and Polynomial Equations [Introduction to polynomial funtions, forming equation from roots, discriminant of quadratic equation, graph of polynomial functions, relation between roots and Coefficients]
	Part-02	**2nd Paper Chapter-04:** Polynomial and Polynomial Equations [General root, Symmetric expressions, Symmetric roots] **1st Paper Chapter-01:** Matrix and Determinant
HM-06	Part-01	**1st Paper Chapter-07:** Trigonometric Ratios of Associated and Compound Angles
	Part-02	**2nd Paper Chapter-07:** Inverse Trigonometric Functions and Trigonometric Equations