

$$\sin d = BC = \frac{a}{c};$$

$$\sin 2d = 2 \sin d \cos d;$$

MATHEMATICS OPTIONAL

TEST SCHEDULE 2021

Handwritten mathematical notes on a chalkboard background:

- $\text{ctg } d = \cot d = \frac{a}{b};$
- $d^\circ = \frac{180}{\pi} d; \quad d = \frac{\pi}{180} d^\circ;$
- $360^\circ = 2\pi; \quad 180^\circ = \pi;$
- $\sin^2 d + \cos^2 d = 1;$
- $\frac{\sin d}{\cos d} = \text{tg } d;$
- $\sin d \cdot \text{csc } d = 1;$
- $\frac{\cos d}{\sin d} = \text{ctg } d$
- $\text{tg } \varphi = \pm a^2 \left(\frac{3}{\Delta}\right)^{\frac{1}{2}};$

Diagrams and graphs:

- A right-angled triangle with hypotenuse c , side a , and side b .
- A graph of a sine wave $u = A \sin(\omega t + \varphi)$ with amplitude A and period $\frac{2\pi}{\omega}$.
- A graph of a curve $y = f(x)$ with points A and B marked, and $\Delta > 0$ noted.

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MATHEMATICS - TEST SERIES 2 - SCHEDULE - 2021

Date	S.N.O	Syllabus	Remarks
25/10/2021	Test 1	Linear Algebra + Calculus+ 3D	Sectional Test
8/11/2021	Test 2	ODE + Statics and Dynamics + Vector analysis	Sectional Test
15/11/2021	Test 3	Modern Algebra+ Real Analysis + LPP + Complex analysis	Sectional Test
25/11/2021	Test 4	PDE+ Numerical analysis + Mechanics	Sectional Test
5/12/2021	Test 5	Paper 1	Full length test
12/12/2021	Test 6	Paper 2	Full length test
19/12/2021	Test 7 and 8	Paper 1 and paper 2	Full length test
25/12/2021	Test 9 and 10		Mock Test

Detailed solution for each test will be provided for each test except mock test.



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Schedule : Updated

Mode : Offline cum Online

Orientation : None

Evaluation : Available

No. of Tests : 08 + 02

Timings : 2pm to 5pm.

Begins on : 25 October 2021

Fees : New Students: 8000

Old Students: 5000

- Evaluation Time frame is 7 days maximum from the date of submission.
- Answer Sheets Must be submitted within 3-5days from the date of test as on schedule.
- We Appreciate Aspirants who submitted their answer sheets on the same day at the most.
- Late submission of Answer sheets will not be strictly entertained.
- Detailed Answer Key will be provided in Pdf format.
- Question Paper will be mailed to the students on the date of the Test for Online Students.
- Students are required to Telegram your Answer sheets to Mr. Vittal Sir on vittal2vittal@gmail.com