

Dayanand Science College Latur

E-Contents (Video Lectures)

Mathematics

Class: B. Sc. III Year (Sem-VI)

Name of Paper: Dynamics (Mechanics II)

Sub: Mathematics

Paper No: XVII (MT317)

**SRTMUN, SPPU, MU, KUD, AMU, BAMU, NMU, SGBAU etc. Universities
Curriculum**

Links of Video Lectures for UG, PG: Dr. Sidheshwar Bellale

Director, Mathematics Research Centre, Dayanand Science College Latur

Lect. No.	Name of Units / Articles	Video Lecture Links
I	Unit-I,II,III,IV All	https://youtube.com/playlist?list=PL7TANb4Sj71pac4K6-Dt5RbbiGll3nPKE
1	Syllabus and Examination Pattern	https://youtu.be/3qcO5sVUAcU
2	Expressions for Velocity and Acceleration	https://youtu.be/1g-DpAesxkk
3	Component of Velocity and accln	https://youtu.be/qCJ4BcQl8H8
4	Tangent and Unit Vector along the Tangent	https://youtu.be/joHixPeh6bo
5	Curvature and Principal Normal	https://youtu.be/5CziiM42o-M
6	Angular Displacement and Velocity	https://youtu.be/ySNKxpNnPsA
7	Radial and Transverse Components	https://youtu.be/3cgHjSasWo0
8	Examples on Dynamics	https://youtu.be/6gXjlWmmhZY
9	Examples on Dynamics	https://youtu.be/Dg6BUDi7ieg
10	Examples on Dynamics	https://youtu.be/r0CMXbD1l64
	Unit-II	
11	Kinetics of a Particle	https://youtu.be/9Qpp4rymfwE
12	Newton's Laws of Motion	https://youtu.be/_MJmwWMsdes
13	Linear and Angular Momentum	https://youtu.be/EpanH44s8HQ
14	Impulse and Impulsive force	https://youtu.be/zbl1FrSzerU
15		
16	Impact of Two Bodies	https://youtu.be/vI_GtK_Rt3U
17	Kinetic and Potential Energy	https://youtu.be/1WoAXpd8bsk
18	Kinetic Energy of a Particle	https://youtu.be/qBqbiEPFwgM
19	Scalar Point Function and Scalar pt fun	https://youtu.be/3xqaYzFoFSg
20	Conservative Field of Force	https://youtu.be/JZxbdIE_waM
21	Potential Function	https://youtu.be/fVRLMNuSkXQ
22	Examples on Kinetics of Particle	https://youtu.be/qBW6P1W-VO0
23	Examples on Kinetics of Particle	https://youtu.be/TJXx2stXajk
24	Rectilinear Motion	https://youtu.be/5WAPmFTDdks
25	Projectile Motion	https://youtu.be/pfZ1JP1ZDPY
26	Equation of Trajectory	https://youtu.be/qWf2Z1OPX24
27	Vertex of Trajectory	https://youtu.be/LwUxVyHV0TA
28	Velocity in Terms of Height	https://youtu.be/wIIFcNWogVs

29	Range on an inclined Plane	https://youtu.be/Rn4NfaGZeP0
30	Projectile through Point	https://youtu.be/9Poa0YV9jW4
31	Relation $t_1 t_2 = 2R/g$	https://youtu.be/RyzFkvvgeKk
32	Examples Projectile Motion	https://youtu.be/DAHs8ozD88
	Completed	
	Basics for Perfection in Mathematics	
1	Differentiation	https://www.youtube.com/playlist?list=PLzatFovyqhyQAUdrevP8MWguA1GTLt-t
2	Application of Derivatives	https://www.youtube.com/playlist?list=PL7TANb4Sj71rJFH1jxKIdtp34P9sofT1N
3	Indefinite Integration	https://www.youtube.com/playlist?list=PL7TANb4Sj71rJEW9jCLJmiG0Q_t-QUhbf
I	Basics of Mathematics	https://www.youtube.com/playlist?list=PL7TANb4Sj71qVY4Tb7oZZwanyzqb3ctJl
II	For All Lectures Visit	https://www.youtube.com/channel/UC25Hwz1jT_gwAJU4YEiO6Rg
III	LIVE LECTURES 04:00pm-05pm (Mon to Friday)	https://www.youtube.com/channel/UC25Hwz1jT_gwAJU4YEiO6Rg/live
	For Updated Quality Video Link Register/ Visit	https://www.youtube.com/channel/UC25Hwz1jT_gwAJU4YEiO6Rg