Dayanand Science College Latur

E- Content (Video Lectures)

Mathematics

Class: B. Sc. I Year (Sem-II)   **Name of Paper:** Integral Calculus
Sub: Mathematics   **Paper No: III** (MT103)

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

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

Director Mathematics Centre, Dayanand Science College, Latur

Lect.. No.	Name of Units / Articles	Video Lecture Link
I	**Unit-I , II,III, IV**	https://youtube.com/playlist?list=PL7TANb4Sj71phE6w6rhzOrq43RC4asvrk
	Unit I	
1	Syllabus and Pattern	https://youtu.be/iup-G0XeKPI
2	Methods of Integration	https://youtu.be/UdEMKzHqbCU
3	Integration by Substitution	https://youtu.be/5-vrB9Ifzg8
4	Integration by Partial Fractions	https://youtu.be/AhyJvnqRdo8
5	Examples on Integration by Partial Fractions	https://youtu.be/fkOfKLDPbQ0
6	Examples on Integration by Partial Fractions	https://youtu.be/Zk5kMOlZEhc
7	Integration of L/Q^n form	https://youtu.be/6IHLKd235rI
8	Reduction formula	https://youtu.be/4_QrCLpOVLM
9	Examples on Reduction Formula	https://youtu.be/_Nmoq025_9U
10	Integration of algebraic rational functions by substitution	https://youtu.be/u1_P2iQF8yA
11	Integration of $\frac{1}{\sqrt{ax2+bx+c}}$	https://youtu.be/zRUYatt0cMg
12	Integration of $\sqrt{ax^2+bx+c}$	https://youtu.be/SMNTKTv89UM
13	Integration of $\frac{px+q}{\sqrt{ax^2+bx+c}}$	https://youtu.be/6k5jj8IHDco
14	Integration of $(px+q)\sqrt{ax^2+bx+c)}$	https://youtu.be/S7WdVm28iJ4
15	Integration of $(C_0\,x^n+C_1\,x^{n-1}+\cdots+C_n)\sqrt{ax^2+bx+c}$	https://youtu.be/P3y03TU9pzk
16	Integration of $\frac{1}{(Ax+B)\sqrt{Cx+D}}$	https://youtu.be/IuAIY9JuN9k
17	Integration of $\frac{1}{(ax^2+bx+c)\sqrt{px+q}}$	https://youtu.be/pg8eJwcaMuI
18	Integration by Rationalization	https://youtu.be/ZwMUYnWR1TU
19	Integration of $x^m(a+bx^n)^p$	https://youtu.be/JEupXj3u2Fc
20	Examples on Integration of $x^m(a+bx^n)^p$	https://youtu.be/zMIwDiEOiIc
	Continuing ….	
	Syllabus Going on online 11-12 am	https://www.youtube.com/c/SidheshwarBellale/live

	For perfection in Mathematics: Basics	
1	Differentiation and Integration	https://www.youtube.com/playlist?list=PL7TANb4Sj71rJEW9jCLJmiG0Q_t-QUhbf
	Differentiation	https://www.youtube.com/playlist?list=PLzatFovyoqhyQAUdrevP8MWguA1GTLt-t
	Application of Derivatives	https://www.youtube.com/playlist?list=PL7TANb4Sj71rJFH1jxKIdtp34P9sofT1N
2	Indefinite Integration	https://www.youtube.com/playlist?list=PL7TANb4Sj71rJEW9jCLJmiG0Q_t-QUhbf
6	LIVE LECTURES	https://www.youtube.com/channel/UC25Hwz1jT_gwAJU4YEiO6Rg/live
	For Updates and Quality Video Links Register/ Visit	https://www.youtube.com/channel/UC25Hwz1jT_gwAJU4YEiO6Rg