

**Raja Shripatrao Bhagwantrao Mahavidyalay,  
Aundh**

**Name-Sangita Gulabrao Barge**

**E-Content Link Department of Mathematics**

Sr. No.	Name of Topic	YOU-TUBE Link
1	Introduction to Groups	<a href="https://youtu.be/ZCdMCoLTs2c">https://youtu.be/ZCdMCoLTs2c</a>
2	Introduction to sequences.	<a href="https://youtu.be/hfwa5Ww-S1w">https://youtu.be/hfwa5Ww-S1w</a>
3	Linear Diff. equations of $n^{\text{th}}$ order	<a href="https://youtu.be/ErrhUMba8ww">https://youtu.be/ErrhUMba8ww</a>
4	Introductory video for	<a href="https://studio.youtube.com/video/A3YZQnTsdIY/edit">https://studio.youtube.com/video/A3YZQnTsdIY/edit</a>
5	Algebra of Complex Numbers	<a href="https://www.youtube.com/watch?v=NmXZRDmFRjc">https://www.youtube.com/watch?v=NmXZRDmFRjc</a>
6	Diff. Equations of First Order and First degree .	<a href="https://youtu.be/SS5-UnBN5yg">https://youtu.be/SS5-UnBN5yg</a>
7	Diff. Equations of First Order & First degree:Exact Diff. Examples	<a href="https://youtu.be/LniNLSzTMRk">https://youtu.be/LniNLSzTMRk</a>

8	Real Analysis II :Sequences, Sub sequences.	<a href="https://youtu.be/hfwa5Ww-S1w">https://youtu.be/hfwa5Ww-S1w</a>
9	Diff. E. of first order & first deg. Exact diff. Equation I.F. Rule 1 and Rule 2 .	<a href="https://youtu.be/dJArZcNYOGk">https://youtu.be/dJArZcNYOGk</a>
10	Real Analysis II :Sequences Theorem1	<a href="https://youtu.be/H4rFXLqn LE">https://youtu.be/H4rFXLqn LE</a>
11	Real Analysis II :Sequences Theorem1	<a href="https://youtu.be/E9mamxa qvU">https://youtu.be/E9mamxa qvU</a>
12	Exact diff. E.I.F. Rule 3 .	<a href="https://youtu.be/wNaJjN1IGUk">https://youtu.be/wNaJjN1IGUk</a>
13	Real Analysis II : Sequences Theorem3&4	<a href="https://youtu.be/9YjfVikMI1U">https://youtu.be/9YjfVikMI1U</a>
14	Exact Diff. Equation .I.F. Rule 4 .	<a href="https://youtu.be/ wWCqpdGTcA">https://youtu.be/ wWCqpdGTcA</a>
15	Real Analysis II : Sequences Theorem5.	<a href="https://youtu.be/X4b-6HtwVss">https://youtu.be/X4b-6HtwVss</a>
16	Exact Diff. Equation .I.F. Rule 4 .	<a href="https://youtu.be/VC4CDNQjohc">https://youtu.be/VC4CDNQjohc</a>
17	Linear Diff. Equations: Method of solution.	<a href="https://youtu.be/HX1mMttc-FE">https://youtu.be/HX1mMttc-FE</a>
18	Real Analysis II : Sequences	<a href="https://youtu.be/2NQiMfNE-40">https://youtu.be/2NQiMfNE-40</a>

	Monotone sequence.	
19	Linear Diff. Equations: Working Rule. .	<a href="https://youtu.be/rvuYj_NT4Z0">https://youtu.be/rvuYj_NT4Z0</a>
20	Real Analysis II : Sequences Theorem 6.	<a href="https://youtu.be/cUmnvzsomw">https://youtu.be/cUmnvzsomw</a>
21	Real Analysis II : Sequences Theorem7.	<a href="https://youtu.be/LkdnHwF5uXE">https://youtu.be/LkdnHwF5uXE</a>
22	Linear Diff. Equations: Examples	<a href="https://youtu.be/JP3IEBH6OFg">https://youtu.be/JP3IEBH6OFg</a>
23	Bernoulli's Equation	<a href="https://youtu.be/YzxDGgqlbMY">https://youtu.be/YzxDGgqlbMY</a>
24	Sequences: Theorem 8,9,10	<a href="https://youtu.be/IMdQvrQdEOM">https://youtu.be/IMdQvrQdEOM</a>
25	Sequences: Theorem 10: Part 2	<a href="https://youtu.be/mVkmY1e3dgU">https://youtu.be/mVkmY1e3dgU</a>
26	L. Diff.E.with constant coeff. Introduction.	<a href="https://youtu.be/bvi59Ukne8c">https://youtu.be/bvi59Ukne8c</a>
27	Sequences: Theorem 11	<a href="https://youtu.be/i3cOd89PGnA">https://youtu.be/i3cOd89PGnA</a>
28	L. D.E. With C.C. part 1	<a href="https://www.youtube.com/watch?v=RxORDXy7nNQ">https://www.youtube.com/watch?v=RxORDXy7nNQ</a>

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29	Sequences: Theorem 12 & 13	<a href="https://youtu.be/zfczAriEUv8">https://youtu.be/zfczAriEUv8</a>
30	L. D.E. With C.C. C.F. case 1	<a href="https://youtu.be/vzVrGu0MavQ">https://youtu.be/vzVrGu0MavQ</a>
31	Sequences: Theorem 14	<a href="https://youtu.be/jOZCa0BYuv8">https://youtu.be/jOZCa0BYuv8</a>
32	Sequences: Theorem 15	<a href="https://youtu.be/kZyrxZFkLSU">https://youtu.be/kZyrxZFkLSU</a>
33	L. D.E. With C.C. C.F. case 3	<a href="https://youtu.be/T2Sn_7-Q-LQ">https://youtu.be/T2Sn_7-Q-LQ</a>
34	Sequences: Theorem 16,17	<a href="https://youtu.be/K_5-sA_mNHs">https://youtu.be/K_5-sA_mNHs</a>
35	L. D.E. With C.C. C.F. examples I.	<a href="https://youtu.be/zYqE3DR0QQA">https://youtu.be/zYqE3DR0QQA</a>
36	L. D.E. With C.C. C.F. examples II.	<a href="https://youtu.be/q3Pk7P3cLII">https://youtu.be/q3Pk7P3cLII</a>
37	Sequences: Chapter 2: Limit sup.& Limit inf. Part I.	<a href="https://youtu.be/5niCWZwwBpM">https://youtu.be/5niCWZwwBpM</a>
38	L. D.E. With C.C. C.F. theorem about D	<a href="https://youtu.be/AN9aj9K7AqU">https://youtu.be/AN9aj9K7AqU</a>
39	Sequences: Chapter 2: Limit sup.& Limit inf. Part II.	<a href="https://youtu.be/Yew0uT0sKGI">https://youtu.be/Yew0uT0sKGI</a>
40	L .D.E. W.C.C. P.I. part 1. Symbolic function	<a href="http://youtu.be/fio5IBS80Rg">http://youtu.be/fio5IBS80Rg</a>

41	Sequences: Chap. 2: Theorem 1 & 2	<a href="https://youtu.be/EdHbbIXicYA">https://youtu.be/EdHbbIXicYA</a>
42	L. D.E. With C.C. P.I. part 2	<a href="https://youtu.be/ukhCrg5HUsU">https://youtu.be/ukhCrg5HUsU</a>
43	Sequences: Chapter 2:Theorem3	<a href="https://youtu.be/C0khPxGwlyI">https://youtu.be/C0khPxGwlyI</a>
44	L. D.E. With C.C. P.I. part 3	<a href="https://youtu.be/KTvY6N00AU4">https://youtu.be/KTvY6N00AU4</a>
45	Sequences: Chapter2:Theorem 4&5	<a href="https://youtu.be/Qczk_WqXQFY">https://youtu.be/Qczk_WqXQFY</a>
46	P.I. : Short methods. Case 1	<a href="https://youtu.be/bq4T5ZfHTIo">https://youtu.be/bq4T5ZfHTIo</a>
47	Cauchy Sequence: Theorem 7	<a href="https://youtu.be/HLZYGyZNI6k">https://youtu.be/HLZYGyZNI6k</a>
48	Cauchy Sequence: Theorem 8	<a href="https://youtu.be/zM9KI1LATEo">https://youtu.be/zM9KI1LATEo</a>
49	P.I. when $X = e^{ax}$ and $f(a)=0$	<a href="https://youtu.be/8Ms0_aELOPs">https://youtu.be/8Ms0_aELOPs</a>
50	Cauchy Sequence: Theorem 9	<a href="https://youtu.be/V645-5DWKmM">https://youtu.be/V645-5DWKmM</a>
51	Examples on $X = e^{ax}$ B.Sc. I	<a href="https://youtu.be/1ZsmgMMq3Ik">https://youtu.be/1ZsmgMMq3Ik</a>
52	P.I. : Short methods. Case 2	<a href="https://youtu.be/t9NXlZWuyS4">https://youtu.be/t9NXlZWuyS4</a>
53	(C, 1) Summability of sequence.	<a href="https://youtu.be/OnuEVjE5Z5U">https://youtu.be/OnuEVjE5Z5U</a>
54	P.I :Short methods.Case 2 formula 2	<a href="https://youtu.be/t9EH1L3Idil">https://youtu.be/t9EH1L3Idil</a>

55	Unit 2. Infinite Series: Introduction	<a href="https://youtu.be/il51vKUsobE">https://youtu.be/il51vKUsobE</a>
56	P.I. : Short methods. Case 2 examples.	<a href="https://youtu.be/LbiRX-CNw8A">https://youtu.be/LbiRX-CNw8A</a>
57	Unit 2. Infinite Series: Theorem 1 and examples	<a href="https://youtu.be/kUX2xOGrzJQ">https://youtu.be/kUX2xOGrzJQ</a>
58	Infinite Series: Theorem 2	<a href="https://youtu.be/GGyp62zrYAg">https://youtu.be/GGyp62zrYAg</a>
59	P. I. Case 3 B.Sc.I when $X=x^m$	<a href="https://youtu.be/ACOSX4vafMc">https://youtu.be/ACOSX4vafMc</a>
60	Infinite Series: Theorem 2.	<a href="https://youtu.be/5hDoEm6uLOs">https://youtu.be/5hDoEm6uLOs</a>
61	Infinite Series: Remarks & examples.	<a href="https://youtu.be/XUAq6qohjhs">https://youtu.be/XUAq6qohjhs</a>
62	P.I. Case 4. Example	<a href="https://youtu.be/bR-tq9bMT2k">https://youtu.be/bR-tq9bMT2k</a>
63	P.I. Case 5. .	<a href="https://youtu.be/L-keLud9AqU">https://youtu.be/L-keLud9AqU</a>
64	Infinite Series: Positive Term Series	<a href="https://youtu.be/fuc5_XRj-Wg">https://youtu.be/fuc5_XRj-Wg</a>
65	Unit 2.Solvable for p.	<a href="https://youtu.be/8vPjTEpei04">https://youtu.be/8vPjTEpei04</a>
67	<i>Geometric series.Theorem</i>	<a href="https://youtu.be/-tKBpXQIHJ8">https://youtu.be/-tKBpXQIHJ8</a>
Google Classroom Code		
68	B.Sc.I Sem.I and II 2018-19	5wi6sgs

69	B.Sc.I Sem. II 2019-20	ddwq3yb
70	B.Sc.I I Sem. II 2019-20	4vo3ulg
71	B.Sc.I Sem. I 2020-21	dd67rqi
72	B.Sc.II Sem. III 2020-21	5fpv4lp
73	B.Sc.I Sem. II 2021-22	r6s4beh r6s4beh
74	B. Sc .II Sem. IV 2021-22	j5fo4oi
<b>Moodle Course Link</b>		
<a href="https://aundhcollege.gnomio.com">https://aundhcollege.gnomio.com</a>		
Username: sangitabarge      Password: MH11ab1234%		
<b>YouTube Channel link:</b> <a href="https://www.youtube.com/channel/UCA9HLnEG8D1Pi352Cxb3pfg">https://www.youtube.com/channel/UCA9HLnEG8D1Pi352Cxb3pfg</a>		