GDC SHADNAGAR

Ranga Reddy - Dist

Department of Mathematics

Digital Teaching Methods Information for the Academic Year 2021 - 22

The Department of Mathematics prepared several PPT's, PDF Files and YOUTUBE Classes for Digital Teaching. Its helpful to the students to enrich their knowledge in the respective subjects. The list details are given below.

Name of the YouTube Channel: *Sri Krishna maths*

No of Subscribers: *1.3 K*

Public Videos: 15, Unlisted: 32 videos are Unlisted.

Name of Public Videos

1. UV process in Integration (8K Views)
2. Maths Finger Tips Simple Method in Partial Fraction. (187 Views)
3. Rank Nullity Theorem. (45K Views)
4. Lagrange Mean Value Theorem. (11 K Views)
5. Cauchy Mean Value Theorem. (33K Views)
6. Basis and Dimension Theorem Part 1. (11K Views)
7. Basis and Dimension Theorem Part 2. (4.5K Views)
8. Cayley Hamilton Theorem. (34K Views)
9. Green's Theorem in a Plane. (39K Views)
10. Bessel's Theorem. (292 Views)

Name of the Topics (PPT's)

1. Sequence Lesson No 1
2. Sequence Lesson No 2
3. Sequence Lesson No 3
4. Sequence Lesson No 4
5. Sequence Lesson No 5
6. Sequence Lesson No 6

7. Sequence Lesson No 7
8. Sequence Lesson No 8
9. Sequence Lesson No 9
10. Sequence Lesson No 10
11. Sequence Lesson No 11
12. Sequence Lesson No 12
13. Vector Space Lesson No 1
14. Vector Space Lesson No 2
15. Vector Space Lesson No 3
16. Vector Space Lesson No 4
17. Vector Space Lesson No 5
18. Vector Space Lesson No 6
19. Vector Space Lesson No 7
20. Vector Space Lesson No 8
21. Vector Space Lesson No 9
22. Vector Space Lesson No 10
23. Vector Space Lesson No 11
24. Vector Space Lesson No 12
25. Vector Space Lesson No 13
26. Vector Space Lesson No 14
27. Vector Space Lesson No 15
28. Partial Differentiation Lesson 1
29. Partial Differentiation Lesson 2
30. Partial Differentiation Lesson 3
31. Cosets Theorems

Name of the Topics (PDF Files)

SEM I

1. Radius of Curvature 01 (1.8 MB)
2. Radius of Curvature 02 (6.4 MB)
3. Radius of Curvature 03 (5.1 MB)
4. Length of plane curve. (2.7 MB)
5. Volume of Revolution. (4.6 MB)

6. Area of Surface of Revolution. (3.2 MB)

SEM II

1. Differential Equations Basic Methods. (18.3 MB)
2. Exact Differential Equations. (8.2 MB)
3. Total Differentials Equations. (4.6 MB)
4. Differential Equations of First order but not first degree. (7.1 MB)
5. Orthogonal Trajectories. (2.91 MB)
6. Linear Differenal Equations with Constant Coefficient (11.2 MB)
7. Undetermined Coefficients. (2.9 MB)
8. Cauchy - Euler Equations. (1.9 MB)
9. Variation Parameters. (4.0 MB)

SEM III

1. Sequences. (674 KB)
2. Series 1. (446 KB)
3. Subsequences and Series. (655 KB)

SEM IV

1. Group Theory. (5.2 MB)
2. Subgroups. (2.1 MB)
3. Abstract Algebra. (2.2 MB)
4. Cyclic Groups. (4.8 MB)
5. Hommorphism and Isomorphism. (11.9 MB)

SEM V

Paper 05 Linear Algebra

1. Linear Independent Vectors. (1.0 MB)

Signature of the Faculty