MEHR CHAND MAHAJAN DAV COLLEGE FOR WOMEN,
CHANDIGARH
P.G. Department of Mathematics
Course e-content for B.A./B.Sc. 1st Semester (Mathematics)

Subject: Trigonometry and Matrices
Teacher's Name: Dr. Ekta Jain
Designation: Assistant Professor
Contents: Recorded lectures, study material and practice questions.

Recorded Lectures

1. Eigen Values and Eigen Vectors of a Matrix-Introduction and Results
https://drive.google.com/file/d/1z0AikabkiU2msPQI1z6d4XEf3bTGyTjP/view?usp=sharing

2. On finding Eigen values and Eigen vectors for a Matrix
https://drive.google.com/file/d/1pfPEXVZRtvAv1Mutz9yvddeoGS3K-5Ru/view?usp=sharing

3. Diagonalizability of a Matrix
https://drive.google.com/file/d/19Rs8PDqGFIw7xO_cCxy-5A6Hd8gmi4P2/view?usp=sharing

4. Cayley-Hamilton Theorem
https://drive.google.com/file/d/13vhbcq6uTrkgfYm34h5vmrUxpog5gkfZ/view?usp=sharing

Study Material and Practice questions

1. D:/Editors/Kishor/LaTeX/Linear Algebra/ila4/ila4new.dvi (mit.edu)
2. https://www.sathyabama.ac.in/sites/default/files/course-material/2020-10/lunit.pdf

Suggested Readings

1. K.B. Datta: Matrix and Linear Algebra, Prentice Hall of India Pvt. Ltd., New Delhi, 2000.
2. S.R. Knight and H.S. Hall: Higher Algebra, H.M. Publications, 1994.
3. Shanti Narayan and P.K. Mittal: A Text Book of Matrices, S. Chand & Co. New Delhi, Revised Edition, 2007.