

Paper Code: ECO 213	Paper: Engineering Economics	L	T/P	C
Paper ID:		2	0	2

Marking Scheme :

Instructions for paper setter

Course Objectives :

Course Outcomes (CO)

Course Outcomes (CO) to Programme Outcomes (PO) mapping (scale 1: low, 2: Medium, 3: High)

UNIT I

UNIT II

Future Worth Method: Introduction, Revenue Dominated Cash Flow Diagram, Cost-Dominated Cash Flow Diagram

UNIT III

UNIT IV

Inflation Adjustment: Introduction, Procedure to adjust Inflation, Inflation Adjusted Economic Life of Machines. Inventory Control and Methods, Make or buy decision, Project Management: Introduction, Phases, CPM, Gantt/Time Chart, PERT. Value Analysis / Value Engineering

Textbook:

1. R. Paneerselvam, "Engineering Economics", PHI Learning, New Delhi, 2012.

References:

1. David L. Whitman, Ronald E. Terry, Fundamentals of Engineering Economics and Decision Analysis, Morgan & Claypool Publishers (2012).
2. John A. White, Kellie Grasman, Fundamentals of Engineering Economic Analysis, Wiley (2013).
3. Leland Blank, Antony Tarquin, Engineering Economy, McGraw Hill, 2002.
4. K. L. Sharma, An Introduction to Engineering Economics, Momentum Press, 2015.
5. Chan S. Park, Fundamentals of Engineering Economics, Global Edition-Pearson, (2019).
6. Zahid A. Khan, Arshad N. Siddiquee, Brajesh Kumar, Mustufa H. Abidi, Principles of Engineering Economics with Applications, Cambridge University Press (2018).