

School of Engineering

Department of Civil Engineering
Mid Term Examination

Exam Date: 27 Sep 2023

Time : 90 Minutes

Marks : 50

Sem III - MTPE6013 - Transport Economics and Finance

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- 1) Classify the detail the Need for economic evaluation. K2 (2)
- 2) Define benefit cost ratio method K1 (3)
- 3) Explain in detail the time horizon in economic assessment. K2 (4)
- 4) Illustrate net present value method with respect to Economic evaluation of transport plans. K2 (6)
- 5) Analyze how variations in fuel prices impact overall vehicle operating costs. K3 (6)
- 6) Calculate the value of travel time savings for a specific transportation scenario. K3 (9)
- 7) Create a hypothetical transport project and perform a cost-benefit analysis using multiple economic evaluation methods. K4 (8)
- 8) Compare and contrast the benefit-cost ratio method and net present value method. K4 (12)

OR

Analyze the strengths and weaknesses of the first-year rate of return as an economic evaluation method. K4 (12)