

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
M.Tech. Summer 2017 - 18 Examination

Semester: 2nd
Subject Code: 03211153
Subject Name: Economic Evaluation of Highway Projects

Date: 23/05/2018
Time: 2:00 pm To 4:30 pm
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1A) Explain the need for economic evaluation. (05)

B) Time horizon in economic assessment. Explain. (05)

C) Explain the basic principles of economic assessment. (05)

Q.2 Answer the following questions. (Attempt any three) (Each five mark) (15)

A) What are the specific objectives in carrying out an economic evaluation?

B) Explain the costs of transport project.

C) What benefits do we consider while doing economic evaluation of highway projects?

D) Explain the benefit cost ratio method.

Q.3A) Enlist the components of Vehicle Operating Costs and explain any one in detail. (07)

B) Explain the wage rate approach for travel time savings. (08)

OR

B) Explain the concept of "Working Time" and "Leisure Time". (08)

Q.4A) What are the requirements of a good pricing system? (07)

OR

A) Explain the concept of PPPs in Highway financing. (07)

B) What are the different approaches for accident costing? Enlist them and explain any one in detail. (08)