

Roll No

MVCT/MVCP-301(A)

M.E./M.Tech., III Semester

Examination, June 2016

Advance Highway Construction (Elective-I)

Time : Three Hours

Maximum Marks: 70

- Note :** i) Attempt any five questions.
ii) All questions carry equal marks.

1. Discuss the classification of types of highway construction with suitability of each type under Indian conditions.
2. Discuss various field and laboratory tests for quality control of embankments construction.
3. a) Discuss bituminous bound macadam.
b) Discuss MOST specifications for bituminous construction.
4. a) Compare alternate bay and continuous bay methods of construction of cement concrete roads.
b) What are the requirements of materials plants and equipment for C.C. road construction?
5. a) Explain with sketches the requirements of joint filter and sealer. Discuss the desirable properties and the various materials in use.
b) Discuss the use of CPM/PERT in highway construction.

5. a) Explain the different methods of waste disposal from construction industry. 7
b) Differentiate between capital budgeting and performance budgeting. 7
6. a) Explain the break even analysis in detail. 7
b) Explain the following terms: 7
i) Financial ratio analysis
ii) Sinking fund provisions
7. a) Explain the role of different financial institutes in development of infrastructure of our country. 7
b) Enlist different types of financial statements maintained in government department and briefly describe them. 7
8. Write short note on (any four): 14
a) Role of legislation in waste management
b) Economic theories
c) Accounting procedures
d) Labour laws and Acts
e) Principles of wages and salary
