

on E Civil Sem. IV P.T.D.C. (const. manag). 25/6/08

May 20 1966

project monitoring & control.

Con. 3562-08.

(FURTHER REVISED COURSE)

BB-5272

(4 Hours)

[Total Marks : 100

- N.B. :** (1) Question No. 1 is **compulsory**.  
(2) Attempt any **four** questions out of remaining **six** questions.  
(3) Assume **suitable** data where **necessary**. State them **clearly**.  
(4) Draw **suitable** sketches where **necessary**.

1. It is proposed to construct a river bridge 250 m long estimated to cost Rs. 35 crores. The work consists of following activities :  
mobilization, survey and geotechnical investigations, design and approvals, foundation works, sub-structure works, precasting girders, superstructure works, abutment works, road works, finishing works, and Handing over taking over.
  - (a) Prepare work break-down structure that will help proper implementation of the project. 10
  - (b) Describe the major points that shall be discussed in review meetings. 10
2.
  - (a) Prepare a blank format for monthly progress report to be submitted by the contractor in respect to the work mentioned in Q. No. (1). 10
  - (b) Prepare checklist for any two important activities in above project. 10
3.
  - (a) Why it is essential for a client organization to develop a sound quality management system, particularly in construction works ? 10
  - (b) Write note on present scenario of quality in construction. 10
4.
  - (a) Describe tools and techniques for QMS. How to use any one of them in construction work. 10
  - (b) What are common causes of schedule delays that can be anticipated during construction of a mass housing project ? 10
5.
  - (a) Write note on cost codification system alongwith requirements of effective cost codification system. 10
  - (b) Explain principal methods of productivity improvement. 10
6. Write detailed note on management of safety at construction sites. Consider points such as various levels, aspects, training requirements etc. 20
7.
  - (a) Describe cost and causes of accidents on construction sites and its psychological impact. 10
  - (b) Explain use of new technology in context with quality control, health hazards, monitoring, speed of work. 10

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