

DEPARTMENT OF CIVIL ENGINEERING: IIT DELHI

CEL 766: SYSTEMS DESIGN AND VALUE ANALYSIS

2008-2009

MAJOR TEST

Time: 90 Minutes

All questions carry equal marks.

1. (a) What are the reasons why poor value occurs in projects ? Suggest remedial measures.
 - (b) Using numerical evaluation technique identify the basic function of external plastering work
 - (c) Draw FAST diagram for any one of the following:
 - (i) Postal Service.
 - (ii) School Construction.
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2. Write short notes on the following:
 - (i) Work sampling and its advantages.
 - (ii) Objectives of Work Measurement Program.
 - (iii) Work Design Principles.
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3. (a) How do you justify that the construction contracting is a systems problem ?
 - (b) How do you improve the traditional building procedure ?
 - (c) Discuss the steps involved in the systems design.