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**ADVANCED DIPLOMA IN INFORMATION
TECHNOLOGY (ADIT)/BACHELOR IN
INFORMATION TECHNOLOGY (BIT)
(ADIT/BIT)**

**Term-End Examination
December, 2011**

**CST-204 : ADVANCED TOPICS IN SOFTWARE
ENGINEERING**

Time : 3 hours

Maximum Marks : 75

Note : *There are two sections in this paper. Section - A is Compulsory. Answer any three questions from Section - B.*

SECTION - A

Answer all the questions in this section.

1. State True/False for the following statements :

- (a) Software Engineering is the establishment and use of sound engineering principles in order to obtain economically software that is reliable and works efficiently on real machines.

5x2=10

- (b) Programmer is a person who performs Systems Analysis during the phases of Software Development Life Cycle.
- (c) LOC stands for Laws of Code.
- (d) Attributes define the properties of a data object.
- (e) White Box Testing is sometimes called Glass Box Testing.

2. Explain PERT and CPM. Give examples for each. 10
3. Explain Water Fall Model, in detail. 10

SECTION - B

Answer *any three* questions :

4. Define the term "Software Quality". Explain any four qualities of a Software Product. **15**
 5. What is Verification ? What is Validation ? Explain the differences between them. **15**
 6. Draw E - R diagram for "Library Information System." Make necessary assumptions. **15**
 7. Write any 5 guidelines for conducting Formal Technical Reviews. **15**
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