

ST. XAVIER'S COLLEGE
Midterm Examination
BIM VI/2010

Subject: : ITC 225 – Software Engineering

Full Marks: 40

Time: 2 hours

Pass Marks: 20

Candidates are required to write their answer in their own words as far as practicable.

Attempt ALL questions.

Brief answer questions.

[10 x 1 = 10]

- Q.1.** Define software engineering process.
- Q.2.** What are cohesion and coupling?
- Q.3.** What are the attributes of good software?
- Q.4.** What are the software myths?
- Q.5.** Define software crisis?
- Q.6.** What are different types of associations between/among Classes.
- Q.7.** What is UML?
- Q.8.** Represent a high level requirement of your project using level-1 SSADM 4 DFD diagram. [3]

Long answer questions.

[5 x 6 = 30]

- Q. 1.** Explain form based specification technique for requirements engineering.
- Q. 2.** Differentiate between the product and the process with suitable example.
- Q. 3.** Differentiate between prototyping development and incremental development models.
- Q. 4.** Estimate the effort and time requirement of your project using function-point metric.
- Q. 5.** Explain role of sequence diagram in representing flow of control to satisfy a service request with an example.