

Code No.: 6116

FACULTY OF SCIENCE
M.Sc. I Semester Examination, May 2006
COMPUTER SCIENCE
Paper 1.4
(Software Engineering)

Time : 3 Hours]

[Max. Marks : 100

Answer **all** questions.

Section A - (Marks: $8 \times 5 = 40$)

1. Explain in brief : (a) Team communication.
(b) Product complexity.
2. Discuss in brief : (a) Project format.
(b) Functional format.
3. Explain what are relational notations. Explain how they differ from state oriented notations.
4. Compare and contrast product hierarchy and process hierarchy.
5. Outline briefly : (a) Stamp coupling and
(b) Content coupling.
6. Discuss Hippo charts.
7. Explain what are software maintenance tools.
8. Write what are : (a) Project Mgt tools and
(b) Documentation tools.

Section B - (Marks: $4 \times 15 = 60$)

9. (a) Discuss in detail IEEE 83 Attributes.

Or

- (b) Explain what is software Life cycle model and discuss various phases of it in detail.

[P.T.O.]

10. (a) Discuss in detail software requirement specifications.

Or

(b) Write about various factors which influence the cost of the software and discuss expert judgement.

11. (a) Describe in detail fundamental design concepts.

Or

(b) Explain design concepts in software Engineering.

12. (a) Discuss :

(i) Business processing Engineering tools.

(ii) Risk Analysis tools.

(iii) Web development tools.

Or

(b) Differentiate between software errors and faults, and briefly explain dynamic analysis tools of CASE.
