

Z 4535

M.B.A. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2006.

Third Semester

BA 1739 — SOFTWARE DEVELOPMENT

(Regulation 2005)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. State any two software characteristics.
2. Define Metrics.
3. How will you classify the software requirements analysis?
4. What are the primary objectives of the Requirement Analysis Model?
5. Define Transform Mapping.
6. Define Pseudocode.
7. What is user Interface Development tools?
8. What is a Configuration Item?
9. Differentiate QC and QA.
10. What are the major activities required in the maintenance phase?

PART B — (5 × 16 = 80 marks)

11. (a) Describe the main principles, advantages and applicability of the prototyping model. (16)

Or

- (b) (i) Define the following terms :
- (1) Risk Identification. (2)
 - (2) Risk Projection. (2)
 - (3) Risk Assessment. (2)
- (ii) Explain the function–point based estimation with an example. (10)
12. (a) (i) Briefly explain the basic guidelines followed in the Facilitated Application Specification Technique. (6)
- (ii) How does modelling helpful in requirements analysis? Explain. (10)

Or

- (b) Describe the functional Modeling and Information flow concepts in detail. (16)
13. (a) Describe the salient attributes of software design. (16)

Or

- (b) How will you identify the elements of an object model in the OO design? Explain with an example. (16)
14. (a) Explain the Transaction Mapping procedure with a software applications. (16)

Or

- (b) Describe the various steps that constitute the SCM process. (16)
15. (a) Explain the Software Review Process in detail. (16)

Or

- (b) Describe the various methods of Black-box Testing. (16)