

MCA DEGREE EXAMINATIONS: NOV/DEC 2012

Fifth Semester

MASTER OF COMPUTER APPLICATIONS

MCA519: Software Project Management

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 2 = 20 Marks)

1. What are the quality aspects to be considered to design a good quality software?
2. Write any two ISO standards used for software.
3. What is a domain process?
4. What is a project portfolio?
5. Why is estimation a difficult activity?
6. Differentiate between function and feature point.
7. What are the types of powers vested with a project manager?
8. What are the advantages of Delphi model?
9. State the categories of risk.
10. What is reliability?

PART B (5 x 16 = 80 Marks)

11. a) (i) State and explain the project management skills. (10)
(ii) Explain the PDCA cycle. (6)
(OR)
- b) (i) Explain in detail the IEEE 1074 process map for software life cycle process. (10)
(ii) Explain the spiral model for software development (6)
12. a) (i) Explain the process of project planning in detail.
(OR)
- b) (i) Explain the steps in building a work breakdown structure. (8)
(ii) Explain the various classes of product domain in the software product. (8)
13. a) (i) Explain about the various risks in estimation. (8)
ii) Explain SLIM model in detail (8)

(OR)

b) Explain the COCOMO model in detail.

14. a) (i) What are dependencies? Explain the various software dependencies with examples. (10)
ii) Write notes on critical chain scheduling. (6)

(OR)

- b) (i) Explain about the various organization structures. (10)
ii) Write notes on responsibility assignment matrix (6)

15. a) (i) Explain about the reliability tools. (8)
ii) Explain the steps in risk management plan. (8)

(OR)

b) Explain in detail about fault forecasting, prevention removal and tolerance.
