



Register Number:.....

MCA DEGREE EXAMINATIONS: NOV/DEC 2014

(Regulation 2009)

Fifth Semester

MASTER OF COMPUTER APPLICATIONS

MCA 519: Software Project Management

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 2 = 20 Marks)

1. Define Software project management.
2. Write any five competencies of project management skills.
3. What is project planning?
4. What are the three project activities that are needed for WBS?
5. What are the disadvantages of using LOC as a size measure?
6. Differentiate between basic and intermediate COCOMO models.
7. What is a project milestone? Give an example.
8. Name five maturity levels of CMM.
9. State the categories of risk.
10. What is RISK management?

PART B (5 x 16 = 80 Marks)

11. a) (i) Explain the project management skills.
(ii) Discuss in detail about product development skills.
(OR)
b) Briefly explain the SEI Capability maturity model (CMM) in detail.
12. a) How to create a work breakdown structure for the software project? Explain.

(OR)

- b) (i) Explain the various classes of product domain in the software product.

(ii) What are basis to select the software project team? Explain.

13. a) Explain how function points are used to estimate the size of software.

(OR)

b) Explain the various model and their level in COCOMO model.

14. a) Briefly explain about PERT and CPM Scheduling.

(OR)

b) (i) Write a short note on the Critical chain scheduling.

(ii) Discuss in detail about the various software dependencies with examples.

15. a) (i) Explain various methods of developing and controlling the risks

(ii) Discuss in detail about various types of risk categories in software project management.

(OR)

b) Explain any two software reliability models in detail.
