

Candidate No. _____

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SOFTWARE PROJECT MANAGEMENT (IS 443)

MBA II Semester IV
End Term Examination
Duration: 2.5 Hrs

Time: 1.30 to 4.00

Batch 2012-14
Marks: 40
Date: 15/05/14

Instructions:

1. This paper has FIVE questions.
2. Your answer should be precise and to the point.
3. Give examples and make diagrams wherever necessary.

Question 1. Answer the following:

[08]

- A. Write a short note on the various cost-benefit evaluation techniques.
- B. Identify the main differences between managing the development of a conventional project and an outsourced project.

OR

- B. Differentiate between waterfall model and agile model. Also explain why agile model is considered as a better option over waterfall model. Describe at least one scenario where Waterfall model is preferable to all other models?

Question 2. Answer the following:

[08]

- A. Explain the rules that should be followed while construction of precedence networks.
- B. Explain the project termination process.

OR

- A. What are the different graphical representation techniques for evaluation the progress of a project?
- B. Differentiate between bottom-up and top-down estimation process.

Question 3. Answer the following:

[08]

- A. How are the risks in a software project assessed?
- B. Explain the change control procedures.

OR

- A. What is "RAG Reporting"? Give suitable example
- B. Write a short note on Monte Carlo Simulation along with the steps involved.

Question 4. Answer the following:

[08]

- A. How are the proposals for a software project evaluated?
- B. What are the factors that affect the cost of a software project?

OR

- A. Define CMM levels for Software Quality Assurance.
- B. How do dependency diagrams help in programme management?

Question 5. Answer the following:

[08]

You have been appointed as a project manager of a major software products company. Your job is to manage the development of the next generation version of its widely used word-processing software. Because competition is intense, tight deadlines have been established and announced. What team structure would you choose and why? What software process model would you consider for this project and why?