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MCA DEGREE V SEMESTER EXAMINATION NOVEMBER 2015

CAS 2505 SOFTWARE PROJECT MANAGEMENT (Supplementary)

Time: 3 Hours

Maximum Marks: 50

PART A

(Answer *ALL* questions)

(15 × 2 = 30)

- I. (a) State clearly the basic functions of a manager.
(b) Explain any two organizational structures.
(c) Write short notes on project planning guidelines.
- II. (a) Differentiate between strategic assessment and technical assessment.
(b) Explain the spiral model of project design.
(c) Explain a cost benefit evaluation technique.
- III. (a) What is function point analysis?
(b) Explain an effort estimation technique used in software engineering.
(c) State the problems associated with over and under estimates.
- IV. (a) Explain the structure of a node in activity on node networks.
(b) Write the steps involved in managing the risks associated with projects.
(c) Explain the scheduling and sequencing activities in activity planning.
- V. (a) What is Earned Value Analysis?
(b) Explain the Oldham – Hackman job characteristics model.
(c) Explain different types of project contracts.

PART B

(5 × 4 = 20)

- VI. Explain the major activities in software project management.
OR
- VII. What are the major issues of software engineering?
- VIII. Explain waterfall model citing its advantages and disadvantages.
OR
- IX. Discuss Cost-Benefit evaluation techniques.
- X. Explain how software cost estimation carried out using different COCOMO models.
OR
- XI. Explain any two effort estimation techniques used in software engineering.
- XII. Explain the project planning techniques.
OR
- XIII. How are risks managed?
- XIV. Give the various stages in managing project contracts.
OR
- XV. Explain the project organization structure in detail.