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MCA DEGREE V SEMESTER EXAMINATION DECEMBER 2014

CAS 2505 SOFTWARE PROJECT MANAGEMENT
(Regular)

Time: 3 Hours

Maximum Marks: 50

PART A
(Answer *ALL* questions)

(15 × 2 = 30)

- I. (a) What are the activities in planning a software project?
(b) Distinguish between directing and controlling.
(c) Define operational management.
- II. (a) What is the V-process model?
(b) Write on different kinds of costs in a software project.
(c) How do we control changes during prototyping?
- III. (a) Explain basics of COCOMO model.
(b) Explain the concept of Albrecht Function Point Analysis.
(c) How do object points differ from function points?
- IV. (a) What are critical paths in activity planning?
(b) How do we conduct a risk analysis?
(c) Explain how a software project schedule is prepared.
- V. (a) Outline the various aspects of contract management.
(b) Distinguish matrix and project organization structures.
(c) What do you mean by change control?

PART B

(5 × 4 = 20)

- VI. Explain the activities and issues in staffing.
OR
- VII. Explain the activities and issues in organizing.
- VIII. Explain the pros and cons of waterfall model and prototyping.
OR
- IX. Explain the categorization of prototyping, clearly explaining its advantages over waterfall model.
- X. With an example, explain function points mark II.
OR
- XI. Calculate the effort and time needed to develop a code of 1,28,000 lines of organic type of project using basic COCOMO.
- XII. Explain Hazard identification and analysis in software projects.
OR
- XIII. Explain the various network planning models used in software projects.
- XIV. Write on understanding and managing different organizational behaviours.
OR
- XV. Write notes on cost monitoring.