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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, Apr/May, 2014

Computer Science and Engineering

VII Semester - ELECTIVE

CS9042 – SOFTWARE PROJECT MANAGEMENT

(Regulation 2009)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Mention some of the major activities covered by Software project management.
2. Highlight the levels of Decision making and Information system.
3. What is cash flow forecasting?
4. Define Risk identification and ranking.
5. Is data oriented or control oriented system to be implemented?
6. Mention some of the objectives of activity planning.
7. How are proposals evaluated?
8. Elucidate the stages of contract placement.
9. How would you select a right person for a job?
10. Define the expectancy theory of motivation.

PART – B (5 X 16 = 80 Marks)

11. ~~11.~~ i. Explain in detail the project control life cycle. (8)
ii. Explain portfolio management of software projects. Discuss with examples. (8)
12. (a) A software application is to be designed and built to assist in software cost estimation. It responds to certain input parameters and produces initial cost estimates to be used at bidding time.
 - i. It has been suggested that a software prototype would be of value in these circumstances. Explain why this might be. (8)

- ii. Discuss how such prototyping could be controlled to ensure that it is conducted in an orderly and efficient way and within a specified time span. (8)

(Or)

- (b) Where are estimates done and explain the problems with over and under estimates.

13. (a) For the table given below identify the critical path and hence calculate activity float and free float using forward and backward pass. (16)

Activity	Duration (weeks)	precedents
A	13	-
B	9	-
C	4	A
D	6	B
E	3	B
F	6	-
G	7	E,F
H	2	C,D

(Or)

- (b) Write Short notes on

- i. Risk Engineering. (8)
ii. Software Project risks and strategies for risk reduction. (8)

14. (a) Explain the different stages of creating a framework.

(Or)

- (b) i. Explain the procedure of Change Control. (8)
ii. Write a short note on Fixed price contracts. (8)

15. (a) i. Explain in detail any two motivation models. (8)
ii. Write short notes on Decision Making. (8)

(Or)

- (b) i. Explain in brief the various leadership styles and organizational structures. (10)
ii. Explain in detail how healthy and safety play an important role in IT development. (6)