Paper / Subject Code: 70624 / Software Project Management

(3 Hours) Total Marks: 80

Note: 1) Question No.1 is compulsory.

- 2) Attempt any THREE from the remaining questions.
- 3) Figures to the right indicate full marks.
- 1. (a) Discuss Stakeholder Management.

5

(b) What are the various methods of project implementation? Explain.

5

(c) Explain FTR.

5

- (d) Assume a database system for an office automation project is to be developed. Project complexity is organic. The system mainly consists of following 4 modules: Data entry 0.6 KLOC, Data update 0.6 KLOC, Query 0.8 KLOC, Report generator 1.0 KLOC, System size 3.0 KLOC. Cost drivers are complexity: high (1.15), storage: high (1.06), experience: low (1.07), programming capability: low (1.17). Calculate the efforts, development time staff size and productivity.(Assume the constants a1= 2.4, b1=1.05, c1=2.5 and d1=0.38).
- 2. (a) Discuss Project Framework in detail.

10

(b) Discuss the various tools used for Quality control.

10

3. (a) What is Requirement Elicitation? Explain various methods used in it.

10

(b) Discuss various leadership styles.

10

4. (a) Discuss Spiral Model with its advantages and disadvantages.

10

(b) The following table indicates the task for completing a software project activities and estimated duration for each task. Find CPM, Early Start, Early Finish, Last start, Late Finish and Slag time. Also, draw Network diagram for the same. 10

Task	Description	Duration	Predecessor
T1	Requirement Specification	1	(6)
T2	Design	2%	T 1
T3	Code generate interface	2	T2
T4	Code sequence interface	5	T2
T5	Code user interface path	3	T2
T6	Code control process path	1	T2
T7	Integrated and tests	6	T3, T4, T5, T6
T8	User manual	3	T7

5. (a) Discuss the process used for developing the Business case.	10
(b) Explain any two UML diagrams.	10
6. (a) Discuss the various steps involved in Risk Management.	10
(b) What is SRS? Why it is important to develop SRS.	10

22015