

**Question Paper Code : X10645**

**B.E / B. Tech DEGREE EXAMINATIONS NOVEMBER / DECEMBER 2020**

**Seventh Semester**

**Computer Science and Engineering**

**IT8075 - SOFTWARE PROJECT MANAGEMENT**

**(Common to Information Technology)**

**(Regulations 2017)**

Time: 3 Hours

Answer ALL Questions

Maximum: 100 Marks

**PART- A (10 x 2 = 20 marks)**

1. List out the types of software projects.
2. What is the need of risk evaluation?
3. Give the advantages of prototyping of software project model.
4. What are the significance of agile unified process?
5. Define slack and interfering free float.
6. How do you ranking the risk in the project?
7. What is earned value?
8. Mention any two factor names used for projects progress.
9. What are the leadership theory?
10. Write down the importance of intrinsic motivation.

**PART – B ( 5 x 13 = 65 marks)**

11. a) Discuss briefly the project planning activities with reference to ISO (13) framework.

OR

- b) Explain in detail about the strategic management in software projects. (13)
12. a) Discuss the parametric COCOMO model in detail with an example. (13)

OR

- b) Write down briefly about the principles and model of dynamic system (13) development method.

13. a) Identify the major risks of payroll project and explain how the risks monitoring used in the project? (13)

OR

- b) Explain how PERT is used to assess the impact of risk on project schedule with an example. (13)
14. a) Briefly explain the types of project contract and steps involved in contract management. (13)

OR

- b) Explain the framework of project management and control in detail. (13)
15. a) Write about the various motivation model used in Human resource management. (13)

OR

- b) Explain how to deal with stress, health, and safety concerns when managing people. (13)

PART C (1 X 15 = 15 marks)

16. a) Draw the activity network and find the earliest times, latest times, and slack for each activity. Which of the paths is a critical path? (15)

ACTIVITY	DURATION (MONTHS)	PRECEDENTS
A	5	-
B	1	-
C	2	B
D	4	A, C
E	6	A
F	3	D, E

OR

- b) Explain in detail about the cost benefit analysis and compare with portfolio analysis for information system. (15)

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