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Reg. No. :

Question Paper Code : 90798

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2022

Seventh Semester

IT 8075 – SOFTWARE PROJECT MANAGEMENT

(Common to : Computer Science and Engineering/Industrial Engineering/Mechatronics Engineering/Information Technology)

(Regulations 2017)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Explain the importance of software project management.

2. Compare Project Management and Programme Management.

3. List the salient features of Activity Planning.

4. Explain the components of project scheduling.

5. Explain why risk management has to be a part of planning.

6. List the steps involved in PERT analysis.

7. What is project life cycle?

8. Describe different types of project contracts.

9. Describe the different types of project organizations.

10. What is the importance of communication planning?

PART B — (5 × 13 = 65 marks)

11. (a) With a neat diagram, explain the various steps involved in stepwise project planning.

Or

   (b) Categorize types of Software Projects and explain.

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12. (a) Discuss the nature of Agile methods. Elaborate on Extreme programming.

Or

(b) Discuss the cost estimation techniques.

13. (a) Examine the different network models for project management.

Or

(b) Discuss various steps in project risk management.

14. (a) Examine the importance of project change control.

Or

(b) Explain the process of project tracking.

15. (a) Explain Oldham – Hackman job characteristics model for motivation.

Or

(b) Discuss importance of leadership. Brief about various leadership styles.

PART C — (1 × 15 = 15 marks)

16. Finder Disaster.

In the fall of 1999, a leading culinary arts portal undertook an ambitious plan to enhance the centre piece of its food channel, the Recipe Finder. This project commenced at the height of New York's "Silicon Alley" hiring frenzy, when technical talent was extremely difficult to find. Consulting firms capitalized on the demand for "programmers-for-hire" by hyping the skill sets of their contractors and rushing new hires through abbreviated training programs.

In the race to stay ahead of its competition, the project team was augmented with inexperienced contractors who presented impressive, "buzzword-compliant" resumes. These newbies were thrown into the applications development kitchen, and to make matters worse, the project manager was also new to the job. In his reluctance to make waves among his new colleagues, he stood by while an underskilled contractor ran amuck with the code until it was too late. Hence most of the code had to be rewritten, causing massive delays in the launch date.

(a) Evaluate Recipe Finder project's performance in this case.

Or

(b) Explain the best practices to be used for project people management in this case.

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