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Question Paper Code: 21768

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Seventh/Eighth Semester

Computer Science and Engineering

IT 2403/IT 73/10144 IT 704/10144 CSE 69 — SOFTWARE PROJECT MANAGEMENT

(Common to Information Technology)

(Regulations 2008/2010)

(Common to PTIT 2403 – Software Project Management for B.E.(Part-Time)
Seventh Semester – Regulations 2009)

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

PART A -- $(10 \times 2 = 20 \text{ marks})$

- 1. What are the measures of effectiveness that are used to check the success of a project?
- 2. What is the responsibility of the project steering committee?
- 3. What are the typical issues and questions to be considered during strategic assessment?
- 4. What are the problems with over- and under-estimates?
- 5. Differentiate work breakdown structure and product breakdown structure.
- 6. With an example explain risk avoidance.
- 7. Illustrate the project control cycle.
- 8. What is a critical path?
- 9. What is Egoless programming?
- 10. Differentiate task oriented and people-oriented management styles.

PART B \rightarrow (5 × 16 = 80 marks)

11.	(a)	Explain the steps involved in project planning.	16)
		Or	
	(b)	A public library is considering the implementation of a computer-bas system to help administer book loans at libraries.	ed
		(i) Identify the stakeholders.	(4)
		(ii) What are the objectives of the project?	(4)
		(iii) How will the success and failure of the project be measured?	(8)
12.	(a)	Explain Cost-benefit analysis and risk analysis for software projects. (16)
	10	Or	
	(b)	With an example explain how to perform cash flow forecasting.	16)
13.	(a)	Give the various stages in formulating a network model.	16)
		Or	
	(b)	Differentiate between PERT and CPM and also explain the steinvolved in constructing PERT chart.	ре 16)
14.	(a)	Draw an activity network using activity-on-node for an office automati project.	ion 16)
		Or	
	(b)	What are the typical stages in awarding a contract? Explain in detail. (16
15.	(a)	(i) Explain Oldham-Hackman job characteristics model.	(8)
		(ii) Explain Belbin's work on teams.	(8)
		Or	
88	(b)	Give an overview on stress, health and safety issues.	16

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