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M.Phil/2nd Sem/COMSC/19

2019

M.Phil.

2nd Semester Examination
COMPUTER SCIENCE

Paper - 121

(Software Project Management)

Full Marks : 50

Time : 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.
Illustrate the answers wherever necessary.*

Section - A

Answer any *four* questions from the following :

4×2=8

1. When does the project planning activity start and end in a software life cycle ?
2. What is SDLC ?
3. What do you mean by "phase containment of error" ?

[Turn Over]

(2)

4. What is phase entry and exit criteria ?
5. What do you mean by sliding window planning ?
6. Mention the main goal of software project management ?
7. What is TCF and DI in function point metrics ?
8. What is Risk ?

Section - B

Answer any *four* questions : 4×4=16

9. With the help of diagram explain the different activities carried out in RAD model of software development.
10. Write note on SPMP document.
11. Briefly explain the different activities of project planning ?
12. Explain how size of a software is measured using LOC.
13. Mention the different types/categories of risk in Risk management.
14. Explain how software are categorized on the basis of its development complexity by Boehm ?

(3)

15. Write a short note on Work Breakdown Structure.
16. Briefly explain the strategies used for risk containment ?

Section - C

Answer any *two* questions : $2 \times 8 = 16$

17. What is software configuration management ? Explain the different activities carried out in software configuration management ? $2+6=8$
18. Explain how function point (FP) metric is used to find out the size of a software ? 8
19. Briefly explain Halstead Software Science technique for cost estimation. 8
20. What is Testing ? Explain the major categories of software testing ? $2+6$

[Internal Assessment - 10 marks]
