LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – **COMPUTER APPLICATIONS**

THIRD SEMESTER – NOVEMBER 2017

CA 3951 - SOFTWARE PROJECT MANAGEMENT

Date: 15-11-2017   Dept. No.   Max. : 100 Marks
Time: 01:00-04:00

PART – A

Answer ALL questions   **10 X 2 = 20**

1. Define SMART.

2. What is cash flow forecasting?

3. Draw the framework of system development task.

4. List the components of functional point analysis.

5. Why activity planning is needed?

6. Give the categories of software risks.

7. List the priorities of monitoring.

8. Define contract management.

9. Write Taylors objective of manual tasking.

10. Give various leadership styles.

PART – B

Answer ALL questions   **5 X 8 = 40**

11. a) Describe software development life cycle with necessary diagram.
        Or
    b) Explain Risk evaluation methodologies.

12. a) Write the steps for the following activity:
        (i)   Identifying project scope and objectives   **(4 Marks)**
        (ii)   Analyzing project characteristics   **(4 Marks)**
        Or
    b) Write the need for software estimation. Explain COCOMO for software estimation

13. a) List and explain the rules for constructing precedence network.
        Or
    b) Write note on types of project resources and its allocation methods.

14. a) Elucidate on methods of visualizing project progress.
        Or
    b) Write note on stages of contract placement.

15. a) Describe the objectives of team formation and its performance.
        Or
    b) What is software quality? Explain its importance.

PART – C

16. a) Elaborate the techniques of cost-benefit evaluation.

    b) What is software prototyping? Discuss on its types, needs and drawbacks.

17. a) Explain the steps included in planning of risk.

    b) Discuss on the pros and cons of various contracts types.

18. a) Explain the various motivational theories of an organization.

    b) Describe PRINCE2 approach of project planning.

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