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**Roll No. ....**

**TMC-204(3)**

**M. C. A. (FIRST SEMESTER)**

**MID SEMESTER**

**EXAMINATION, March, 2024**

**SOFTWARE PROJECT MANAGEMENT**

**Time : 1½ Hours**

**Maximum Marks : 50**

**Note :** (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each sub-question carries 10 marks.

1. (a) Define project. How is software project different from other types of projects ? Elaborate with the help of suitable examples. (CO1)

**OR**

- (b) Elaborate the role of management in software. Discuss the activities covered by software project management. (CO1)

**P. T. O.**

(2)

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2. (a) Consider a library management system with functionalities for inquires, book return, book issue and fine collection. Discuss the steps for project planning with respect to library management system ? Elaborate with the help of flow diagram.

(CO1)

OR

- (b) Compare and contrast traditional and modern approaches of software development. Elaborate with the help of suitable example.

(CO1)

3. (a) Why cost and benefit analysis is important ?

Also elaborate the terms : (CO2)

- (i) Net present value and
- (ii) Payback period

OR

- (b) Consider a software project with annual profit of \$8000 and total investment of \$4300. Calculate the return on investment of the project.

(CO2)

(3)

4. (a) Define Risk. Discuss the different methods for risk evaluation. (CO2)

OR

- (b) Which software process model is best suited for risk management ? Explain the model. Describe how the model is used to layout the objectives, risks, and plans for quality improvement. (CO2)

5. (a) If you have to develop a word processing software product, what process models will you choose ? Justify your answer.

(CO2)

OR

- (b) Discuss the agile model with respect to real life example. Also, mention the two perspectives on scaling of agile methods. Discuss scrum in detail. (CO2)

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