

**M. SC. (COMPUTER SCIENCE) SEM – II (CHOICE BASED
CREDIT & GRADE SYSTEM) : SUMMER - 2018
SUBJECT: ELECTIVE: c) SOFTWARE PROJECT MANAGEMENT**

Day: Thursday
Date: 19/04/2018

S-2018-0927

Time: 03.00 PM TO 06.00 PM
Max. Marks: 60

N.B:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Q.1 Explain guidelines of SEI –CMM .Also elaborate various SEI-CMM levels in detail. (15)

OR

What is meant by Software Quality Assurance? Describe various parameters used for measuring the quality of a software project.

Q.2 A) Attempt **ANY ONE** of the following: (08)

- i) Elaborate organizational structure with the help of suitable diagram.
- ii) Describe various project management tools in detail.

B) Attempt **ANY ONE** of the following: (07)

- i) Define effort and schedule. How do effort and schedule affect the cost of the software project?
- ii) Describe product development life cycle in detail.

Q.3 Answer **ANY THREE** of the following: (15)

- a) Explain the role of Project Manager in the project planning process.
- b) Discuss various approaches used to build a WBS (Work Break Down) structure .
- c) What is Risk Management? Explain risk evaluation in detail.
- d) State the goals of software project.
- e) Explain in detail about cost benefit evaluation techniques and its methods.

Q.4 Write short notes on: (**ANY THREE**) (15)

- a) Role of Portfolio Manager
- b) Stakeholders Management
- c) COCOMO-II cost equations
- d) PERT and CPM
- e) Requirements Analysis

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