

MASTER OF SCIENCE (COMPUTER SCIENCE) (CBCS-2018 COURSE)
M.Sc. (Computer Science) Sem-II : WINTER- 2022
SUBJECT : SOFTWARE PROJECT MANAGEMENT

Day : Monday

Time : 10:00 AM-01:00 PM

Date : 26-12-2022

W-20043-2022

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
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Q.1 Describe various product development techniques with their (15) advantages and disadvantages.

OR

Explain COCOMO(Constructive Cost Model) in detail.

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

- i) What is software configuration management (SCM)? What are the different possible relationship dependencies?
- ii) Describe steps used in Work Break-down Structure(WBS).

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

- i) Explain Spiral Model in detail.
- ii) What is meant by Software Quality Assurance? Why it is necessary?

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

- a) Explain various ways to represent the project schedule.
- b) Describe how role and skills needed for a project are identified.
- c) Elaborate different performance measures used for estimating efforts.
- d) What is Brainstorming? Explain.
- e) Write in brief about risks involved in software development process.

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

- a) Critical Chain Scheduling
- b) PERT
- c) Organizational Planning
- d) Portfolio Management
- e) DuPont Financial Model

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