

**I.M.C.A. (2014 COURSE) SEM-IX : WINTER - 2022**  
**SUBJECT : SOFTWARE PROJECT MANAGEMENT**

Day : Thursday  
Date : 29-12-2022

Time : 10:00AM TO 1:00PM  
Max. Marks : 100

W-10104-2022

**N.B.**

- 1) Attempt **ANY FOUR** questions from Section – I and **ANY TWO** questions from Section – II.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Answer to both the section should be written in **SAME** answer book.

**SECTION – I**

- Q.1** What are the concepts of Software Project Management? Explain various activities covered in Software Project Management. (15)
- Q.2** Explain Risk Management with respect to Project Management in brief. (15)
- Q.3** Write detail note on Testing, its types and concept. (15)
- Q.4** Explain Defect Life Cycle in brief. How to manage defect? (15)
- Q.5** What is meaning of project scheduling? Explain Time Management in short. (15)
- Q.6** Write detail note on quality management for software project with respect to stages of Software Quality Management. (15)
- Q.7** Write short notes on **ANY THREE** of the following. (15)
- a) COCOMO model concept
  - b) Unit Testing
  - c) Quality Standards for Software Project
  - d) Function of Software Project Manager

**SECTION – II**

- Q.8** Explain various stages in Software Project Life Cycle for developing Hotel Information System. Draw DFD's for the same. (20)
- Q.9** Consider an example of project specification with estimated activity durations and precedence requirements. (20)
- a) Draw an activity network diagram and find critical path.
  - b) What is the minimum completion time for the project?

Activity	Predecessor's	Duration (in Week)
A	-	3
B	A	4
C	B	3
D	C	2
E	D	5

- Q.10** Draw E-R Diagrams for development of library management system with stages of development. (20)

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