

I.M.C.A. SEM-IX (2014 Course) CBCS : SUMMER - 2019
SUBJECT : SOFTWARE PROJECT MANAGEMENT

Day : Monday
Date : 22/04/2019

Time : 02.00 PM TO 05.00 PM
Max. Marks : 100

S-2019-2148

N.B.:

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

SECTION – I

- Q.1** What is Software Project Management? Explain activities covered in Software Project Management. [15]
- Q.2** Explain various stages of Software Quality Management in brief. [15]
- Q.3** What are main risks involved in projects? Explain any one with example. [15]
- Q.4** What is Testing? Explain types of Testing in brief. [15]
- Q.5** What is importance of Time Management in Software Development Process? Explain in brief scheduling activity. [15]
- Q.6** What is Defect Management? Explain Defect Life Cycle in brief. [15]
- Q.7** Write short notes on **ANY THREE** of the following: [15]
- a) Software cost factor
 - b) Project infrastructure
 - c) Project characteristics
 - d) COCOMO Model

SECTION – II

- Q.8** 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 (weeks)
A	--	4
B	A	6
C	B	3
D	B	2
E	C	2
F	D	1
G	C	2
H	E, F	3
I	G, H	9

- Q.9** Explain various stages in software project life cycle for developing college information system. Draw ER Diagrams for the same. [20]
- Q.10** Discuss traditional methods for project cost estimation with respect to top down approach, bottom up approach in brief. [20]

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