

S.D.E.

M.C.A. Sem - V : SUMMER - 2019

SUBJECT: SOFTWARE PROJECT MANAGEMENT

Day: Thursday
Date: 02/05/2019

Time: 10.00 AM TO 1.00 PM
Max. Marks: 80

S-2019-5275

N.B:

- 1) Attempt **ANY FIVE** questions from **SECTION-I** and **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 configuration management? Explain SCM process in detail. (10)
- Q.2 Describe role of users in various stages of software development. (10)
- Q.3 What is Software Team Management? Differentiate directive and collaborative management. (10)
- Q.4 Define quality. Discuss all the levels of capability maturity model (CMM). (10)
- Q.5 How Change Management is managed in IT project. (10)
- Q.6 'Software quality metrics helps to give quantitative view of software quality' comment. (10)
- Q.7 What is the importance of documentation in software development? Explain various types of documentation in detail. (10)

SECTION-II

- Q.8 A recently established software industry has computerized its human resource management system by using various software applications for selection, training, performance evaluation and retention of their employees. You as project manager. (15)
- i) Identify various risks involved in implementation and administration of the project.
 - ii) Propose suitable solutions for the same
- Q.9 a) Explain the reasons for the project failure. (05)
- b) Draw network diagram for the following project activities (10)

Activity	Predecessor	Duration (Days)
A	-	2
B	A	3
C	-	3
D	C	2
E	D,J	3
F	E,B	2
G	F	2
H	-	4
J	H	2

- i) Find Critical Path
 - ii) If activity D takes 5 days, what is impact on project schedule?
- Q.10 a) Compare waterfall model and spiral model with suitable example. (08)
- b) List out estimation techniques and explain function point analysis. (07)

* * * * *