

CDOE
BACHELOR OF COMPUTER APPLICATIONS (CBCS-2018 COURSE)
B.C.A. Sem-VI : WINTER :- 2021
SUBJECT: SOFTWARE PROJECT MANAGEMENT

Day : Thursday
Date 24-02-2022

W-19029-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 70

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) Answers to both the section should be written in **SAME** answerbook.

SECTION – I

- Q.1** Define project. Discuss how software projects are different than other types of projects. (10)
- Q.2** Explain any three project selection techniques in brief. (10)
- Q.3** What do you mean by Gantt chart? Explain need and process of developing Gantt chart. (10)
- Q.4** Elaborate non algorithmic methods of cost estimation with their merits and demerits. (10)
- Q.5** Explain various McCall's quality factors. (10)
- Q.6** Write short note on **ANY TWO** of the following: (10)
- a) Classical mistakes
 - b) Project leader
 - c) Team structures

SECTION – II

- Q.7** A Software Project is to be 15,000 DSI semi-detached software. It is in a mission critical area, so the reliability is very high (RELY = very high = 1.65). Using intermediate COCOMO model, calculate effort, schedule, productivity and average staffing. (15)
- Q.8** Draw activity network diagram for following project and find critical path. (15)

	Activity	Duration (weeks)	Predecessor's
A	Identify requirements	4	--
B	Define scope	2	A
C	Hardware selection	2	A
D	Prepare software design	4	A,B,C
E	Prepare test plan	3	D
F	Coding and testing	3	D,E
G	Software implementation	2	F
H	User training	1	G

- Q.9** Explain the elements of risk management in detail. (15)
