

BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)

B.C.A. Sem-VI : : SUMMER - 2022

SUBJECT : SOFTWARE PROJECT MANAGEMENT

Day : Friday
Date : 27-05-2022

S-18800-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.:

- 1) Q. No. 4 from Section –I is **COMPULSORY**.
- 2) Solve any **TWO** questions from Q. no. 1 to Q. no. 3.in Section –I
- 3) Solve any **TWO** questions from Q. no. 5 to Q. no. 7.in Section –II.
- 4) Figures to the right indicate **FULL** marks.
- 5) Answer to both the sections should be written in **SAME** answer book.

SECTION-I

- Q.1** a) Define software project management. Illustrate various phases of software project management. (06)
b) What is integration management? Explain the process of integration management. (06)
- Q.2** a) What do you mean by Gantt chart? Explain rules and process of developing Gantt chart. (06)
b) Explain the principles of cost management. (06)
- Q.3** a) What do you mean by software quality? Give the place of software quality in project planning? (06)
b) Give the different categories of risk. (06)
- Q.4** Write short notes on any **THREE** of the following: (12)
a) Six Sigma
b) Risk mitigation
c) Project manager
d) CPM

SECTION-II

- Q.5** Draw the activity network diagram and find the critical path. (12)

Activity	Predecessor	Duration (Weeks)
A	-	4
B	-	7
C	A	5
D	B	4
E	B	3
F	D, E	7
G	C, F	7
H	D	5

- Q.6** Calculate the total function point value for the following project: (12)
Number of Programmers – 10
Number of inputs – 13
Number of outputs- 11
Number of internal files – 21
Number of external files – 07
Number of enquiries – 13
Number of programs – 35
Compute for all the three complexities. (consider $\sum f_i = 1$)

- Q.7** Explain the stepwise project planning in detail. (12)

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