

**MASTER OF COMPUTER APPLICATIONS (CBCS 2018 COURSE)**  
**M.C.A. Sem-V : WINTER : 2021**  
**SUBJECT: SOFTWARE PROJECT MANAGEMENT**

**Day :** Thursday  
**Date :** 13-01-2022

**W-20591-2021**

**Time :** 02:00 PM-05:00 PM  
**Max. Marks:** 60

**N.B.**

- 1) Q. No. 4 from Section – I is **COMPULSORY**.
- 2) Attempt **ANY TWO** questions from Q. No. 1,2,3 from Section – I.
- 3) Attempt **ANY TWO** questions from Q. No. 5,6,7 from Section – II.
- 4) All questions carry equal marks.
- 5) Answer to both the sections should be written in **SAME** answerbook.
- 6) Draw a labeled diagram **WHEREVER** necessary.

**SECTION – I**

- Q.1** Answer the following : (6 marks x 2 = 12 marks )
- a) Define Software Project Management. Give the problems associated with Software Project Management.
  - b) What is PMBOK? List and elaborate various editions of PMBOK published till date.
- Q.2** Answer the following : (6 marks x 2 = 12 marks )
- a) Discuss the stepwise Project Planning in detail.
  - b) What are the problems with cost estimation?
- Q.3** Answer the following : (6 marks x 2 = 12 marks )
- a) Describe top ten risks in Software Project Management.
  - b) What is motivation? Give the need of it.
- Q.4** Write short notes on **ANY THREE** of the following : (4 marks x 3 = 12 marks )
- a) Six Sigma
  - b) Leadership style
  - c) Price to win
  - d) Gantt chart
  - e) Phases of project management.

**SECTION – II**

- Q.5** Project XYZ is to be 76000 DSI semi-detached software. It is in mission critical area so the reliability is high (RELY=high=1.15). Using intermediate COCOMO model calculate effort, schedule, productivity and average staffing. (12)
- Q.6** As a project manager of library management project, list the stakeholders that are required to complete the project successfully. Give the qualities required for each stakeholder. (12)
- Q.7** Calculate function point value for the project given below : (12)

Number of inputs	13
Number of programs	20
Number of output	4
Number of algorithms	35
Number of enquiries	7
Number of internal files	20
Number of external files	03
Number of programmers	7

Compute for all the three types of complexities. Consider DI =1.

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