Roll No……..….. **Total No. of Printed Pages: 1**
Total No. of Questions: [09]

BCA-MCA Dual Degree (Semester – 4th)
SOFTWARE PROJECT MANAGEMENT
Subject Code: BCMC421
Paper ID: [18340117]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:

a. List and briefly discuss any two characteristics of a project.
b. Differentiate between objectives and sub-objectives by giving a suitable example.
c. What do you understand by stakeholders of a project? Discuss in brief.
d. What is meant by the "build or buy" decision in software projects?
e. What is meant by "technology stack"?
f. What is Dynamic System Development Model (DSDM)? Discuss in brief.
g. Briefly discuss any two challenges involved in software effort estimation
h. What do you understand by Work Breakdown Structure (WBS)? Discuss in brief.
i. Differentiate between reactive and proactive risk strategies.
j. Briefly discuss any one tool for visualizing project progress.

Section – B **(5 marks each)**

Q2. What are the major activities involved in a software project management? Discuss.
Q3. Discuss the factors that need to be considered when choosing a development methodology for a software project.
Q4. Discuss the stages involved in a typical software effort estimation process.
Q5. Write a note on creating a framework for project monitoring and control.
Q6. What are the different types of risks involved in software project management? Discuss with suitable examples.

Section – C **(10 marks each)**

Q7. Explain Waterfall Model and Spiral Model highlighting the steps involved in their usage, their characteristics and limitations.
Q8. Explain the steps involved in project planning and scheduling in detail.
Q9. What do you understand by risk identification, risk assessment, risk planning, and risk management? Explain in detail.