MCA-17
Software Engineering
Master of Computer Application
(MCA -11/16/17)

5th Semester Examination June 2022

Time : 2 Hours   Max. Marks : 80

Note : This Paper is of Eighty (80) marks divided into two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given there in.

Section-A
(Long Answer-type questions)

Note: Section 'A' contains Five (05) Long-answer type questions of Twenty (20) marks each. Learners are required to answer any two (02) questions only.

(2 x 20 = 40)

P.T.O.

Q.1. Describe the role of risk analysis in an evolutionary process model like the spiral model.

Q.2 Discuss the concept of Risk Identification, Mitigation, Monitoring and Management.

Q.3 Describe the testing for specialized environment, architecture and applications.

Q.4 Describe various software design techniques in detail.

Q.5 What do you mean by software maintenance? Describe in detail.

Section-B

(Short Answer-type questions)

Note: Section 'B' contains Eight (08) Short-answer type questions of ten (10) marks each. Learners are required to answer any four (04) questions.

(4 x 10 = 40)

P.T.O.

Q.1   What is the principal aim of the software engineering discipline ?

Q..2   What is a Flow Chart? How is the flow charting technique useful during software development?

Q.3   List the major responsibilities of a project manager.

Q.4   What is the need of requirement analysis phase?

Q.5   Explain why project planning needs to be iterative.

Q.6   Why is crystal called a family of agile methods?

Q.7   Explain the difference between availability and reliability.

Q.8   What do you mean by boundary value analysis?

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