S-723

MCA-17

Software Engineering

Master of Computer Application

5th Semester, Examination 2022(Dec.)

Time: 2 Hours   Max. Marks: 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section – A

(Long Answer – type questions)

Note: Section 'A' contains Five (05) long-answer-type questions of Nineteen (19) marks each. Learners are required to answer any two (02) questions only.

[2 x 19 = 38]

P.T.O.

Q.1. What do you mean by Software Engineering? What are the objective of Software Engineering?

Q.2. Discuss Requirement analysis. Also discuss functional and non-functional requirements elicitation.

Q.3. Explain design evaluation and validation in details.

Q.4. Discuss the Prototype model and its advantages and disadvantages.

Q.5. What is testing? How it is different from debugging? Explain various principles of software testing.

Section – B

(Short-answer-type questions)

Note: Section 'B' contains Eight (08) short-answer-type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only.

[4 x 8 = 32]

Q.1. Explain the difference between unit and system testing.

Q.2. What are the feasibility studies for requirements engineering process?

Q.3. Discuss the Cost Estimation Model.

Q.4. Explain the Concept of regression testing.

Q.5. Explain the structure of Software Requirements document.

Q.6. What do you mean by Programming standards and procedures.

Q.7. What do you mean by Requirement Engineering?

Q.8. Differentiate static and dynamic specifications.

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