MCA-17

December - Examination 2017

MCA IIIrd year Examination

Software Engineering

Paper - MCA-17

Time : 3 Hours]   **[Max. Marks :- 80**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A $8 \times 2 = 16$
(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

1) (i) Define Reusability.

(ii) What is Software Crisis?

(iii) What is Software Development Life Cycle (SDLC)?

(iv) What is the use of SRS Document?

(v) What do you mean by module in software engineering?

(vi) What is acceptance testing?

(vii) What is code inspection?

(viii) What is the use of Evolutionary model?

Section - B $4 \times 8 = 32$

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 8 marks.

2) Discuss software quality assurance. (SQR)

3) Explain Regression Testing?

4) Discuss the difference between structural and functional testing.

5) Describe the risk analysis and management.

6) Explain constructive Cost Model.

7) Describe decision tables with suitable diagram.

8) Describe the data dictionary and its use also.

9) Explain reasons for poor estimations and its effects.

Section - C $2 \times 16 = 32$

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 16 marks.

10) Describe parameter estimations with its features and functionality.

11) Explain the working of Prototyping Model with its functional behaviour in software engineering.

12) Explain the working of Formal Technical Reviews with their uses, advantages and disadvantages.

13) Explain the working of Integration testing with its types.

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