

MCA-17**June – Examination 2020****Master of Computer Application
(III Year) Examination****Software Engineering****Paper : MCA-17***Time : 3 Hours]**[Maximum Marks : 80*

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

Section-A**8×2=16****(Very Short Answer Type Questions)**

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

1. (i) What is Software ?
- (ii) What is project scheduling ?
- (iii) What do you mean by Testing ?

- (iv) What do you mean by SRS ?
- (v) What is Prototyping ?
- (vi) Give an example of a test case.
- (vii) What is a Module ?
- (viii) What are structured charts ?

Section-B **4×8=32**

(Short Answer Type Questions)

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

2. Distinguish between Black Box testing and White Box testing.
3. What is Quality Assurance ? Why is QA essential in software development ? Explain.
4. Explain the need and characteristic of a good SRS.
5. Discuss Regression testing.
6. Explain the feasibility study and its different types.
7. Discuss Software Re-engineering.

8. What is DFD ? State notations used for creating a DFD.
9. Explain the significance of entity-relationship modeling with example.

Section-C **2×16=32**

(Long Answer Type Questions)

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

10. What are the functions of risk management ? Explain with the help of an example.
11. What are the CASE tools ? Explain their types.
12. What is Software Engineering ? Describe various key challenges in Software Engineering with example.
13. Compare all the life-cycle models with their advantages and disadvantages.