

**MSCCS-09/MSCCS-203/
MCA-203**

June/December – Examination 2020

**MSCCS (Final)/MCA (IInd Year)
Examination**

Software Engineering

Paper : MSCCS-09/MSCCS-203/MCA-203

Time : 2 Hours]

[Maximum Marks : 80

Note :- The question paper is divided into two Sections A and B. Write answers as per the 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 Unit Testing ? Give an example.
- (ii) What do you mean by Debugging ?
- (iii) List any *four* characteristics of a good SRS.
- (iv) What is a test case ? Give an example.
- (v) What do you mean by Data Modelling ?
- (vi) What is the use of a Data Dictionary ?
- (vii) Give *one* difference between validation and verification.
- (viii) What do you mean by Prototyping ?

Section-B **4×16=64**

(Short Answer Type Questions)

Note :- Answer any *four* questions. Answer should not exceed **200** words. Each question carries 16 marks.

2. What is a Software Crisis ? Why does it happen ?
3. What is the use of DFD ? Discuss the various symbols used in DFD with suitable examples.
4. What do you mean by Project Management ? List and discuss all various activities involved in that.

5. Write a short note on the 4GL Technology.
6. Explain COCOMO model.
7. What do you mean by Software Quality Assurance ? Discuss the various factors affecting software quality.
8. What are the functional and non-functional requirements in software engineering ? Explain their various types of respectively.
9. What do you mean by a software reuse ? List the various levels of software used. Explain with suitable examples.