

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

**June – Examination 2022**

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

**Software Engineering**

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

*Time : 1½ 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**

**4×4=16**

**(Very Short Answer Type Questions)**

*Note :-* Answer any *four* 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 4 marks.

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**T-511** *Turn Over*

1. (i) Define Prototype.
- (ii) What is Software Engineering ?
- (iii) What is Coupling in the software module ?
- (iv) What is Software testing ?
- (v) Define the Waterfall Model.
- (vi) What is System Engineering ?
- (vii) Define the Incremental Model.
- (viii) What is Verification ?

**Section-B**

**4×16=64**

**(Short Answer Type Questions)**

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

2. What do you mean by the Spiral Model ? Explain its components with a neat sketch diagram.
3. Explain the key challenging facing during the software development process.
4. Discuss the different characteristics of the software process.

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5. Explain the following terms :
  - (a) Software design and software test
  - (b) Feasibility study and its type
6. Design Software Requirement Specification (SRS) of a library management information system.
7. Explain the differences between black box and white box with a suitable example.
8. Explain the need and different categories of software maintenance.
9. What is a Formal Technical Review ? What are its objectives and types ?

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