MSCCS-09/MSCCS-203/MCA-203

June - Examination 2019

MSCCS-Final/MCA-II Year Examination

Software Engineering

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

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 word. Each question carries 2 marks.

1) (i) List any four aims of Software Engineering

(ii) Give any two difference between verification and validation.

(iii) What is regression testing?

(iv) What do you mean by software prototyping?

(v) Give any two difference between Cohesion and Coupling.

(vi) What is data dictionary?

(vii) What is the role of software engineer?

(viii) What is unit testing?

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) Explain spiral model with its advantages and disadvantages.

3) What is the need of software measurement? Discuss various types of software measurement with example.

4) What do you mean by software reuse? List various level of software reuse.

5) Explain the difference between black box testing and white box testing.

6) Write short note on COCOMO model.

7) What is the importance of project scheduling in software engineering? What are the factor that affect project scheduling

8) Explain Waterfall model of the software life cycle with neat diagram.

9) Write short note on Risk Mitigation, Monitoring and Management (RMMM).

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) What is DFD? Construct the level 2 DFD for account payable system. Also explain the diagram.

11) What is test case? How to design test case? Explain with suitable example

12) What is capability maturity model? Explain its structure and levels in brief.

13) Write short note on:
    (a) CASE
    (b) 4GL Model