MSCCS–09/MSCCS–203/ MSCCSC–203/MCA–203

June – Examination 2024

MSCCS (Final)/MCA (IInd Year) Examination

SOFTWARE ENGINEERING

Paper : MSCCS–09/MSCCS–203/ MSCCSC–203/MCA–203

Time : 3 Hours]   [*Maximum Marks : 80*

Note :– The question paper is divided into three Sections A, B and C. 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.

(i) What is the aim of Software Engineering ?

(ii) Define Feasibility Study.

(iii) What is Security Specification ?

(iv) Define the Waterfall Model.

(v) Define user interface design in software engineering.

(vi) What is project management ?

(vii) Define Process Metrics in software engineering.

(viii) What is Verification ?

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. Explain different Software Qualities in Software Engineering.

3. Explain how to collect requirements from end users ?

4. Write differences between White-Box-Testing and Black-box-Testing.

5. What is Software Project Scheduling ?

6. How to establish Project Planning Strategies ?

7. What are Software Metrics and Measures ?

8. What is Test Case ? Define Functinal Testing.

9. Why Software Qualities are important ? Give reasons.

Section–C　　　　　　2×16=32

(Long Answer Type Questions)

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

10. Write the advantages and disadvantages of the Prototype Model and Waterfall Model.

11. Explain different types of Software Testing.

12. Explain Risk Mitigation, Monitoring and Management (RMMM) under a software development system.

13. Explain Software Reusability, Software Maintenance and CMMI Benefits.