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

December – Examination 2023

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) Define Software Engineering.

(ii) What do you mean by Debugging ?

(iii) What is the Software Productivity ?

(iv) What is E-R diagram ?

(v) What is pseudo code ?

(vi) Define System Modeling.

(vii) What is Project Milestones ?

(viii) What do you mean by Prototyping ?

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. What is a Software Crisis ? Why does it happen ?

3. Explain the life-cycle of software.

4. Explain the disadvantages of the Convention Waterfall Model.

5. Explain Component based development model in detail.

6. What do you understand by software quality assurance ? How is it achieved ?

7. What is need for software maintenance ?

8. Explain COCOMO Model.

9. Why is Re-Engineering required ? Explain with suitable example.

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. What are the Case tools ? Explain its levels and features.

11. Explain the CASE repository function in detail.

12. Explain the evolutionary and incremental model. What are the advantages and disadvantages ?

13. Write short notes on the following :

(a) 4GL Techniques

(b) Rapid Application Development (RAD)