

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

MCA (2012 & Onward) (Sem.-3)

SOFTWARE ENGINEERING

Subject Code : MCA-303

Paper ID : [B1159]

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

- 1. SECTIONS-A, B, C & D contains TWO questions each carrying TWENTY marks each and students has to attempt any ONE question from each SECTION.**
- 2. SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.**
- 3. Use of non-programmable scientific calculator is allowed.**

SECTION-A

1. What is meant by the term 'Software Engineering'? Discuss the main principles of Software Engineering.
2. What is meant by 'Agile Software Development'? Discuss its main features.

SECTION-B

3. What are various Requirements of Elicitation Techniques? Discuss any two of them in detail.
4. What is meant by 'Structured Design Methodology'? Discuss this concept in detail.

SECTION-C

5. What are Function Points? How are they used in Software Cost Estimation? Discuss.
6. Differentiate between Software Verification & Validation. Give suitable examples.

SECTION-D

7. Define the term Software Quality, Software Quality Assurance? How is quality of Software Assured? Discuss.
8. What are CASE tools? Discuss their usefulness in Software Development.

SECTION E

9. **Write briefly :**

- a) Define Software Crisis.
- b) What is a Software Process?
- c) What is XP?
- d) What is an SRS?
- e) What is PERT?
- f) What is a Software Fault?
- g) What is SCM?
- h) What is Reverse Engineering?
- i) What is a Web Portal?
- j) What is Coupling?