

ROLL No:

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Total number of pages:[1]

Total number of questions:06

MCA 3rd Sem

Software Engineering and Project Management

Subject Code: MCA 303

Paper ID:

Time allowed: 3 Hrs

Max Marks: 60

Important Instructions:

- All questions are compulsory
- Assume any missing data

PART A (2×10)

All COs

Q. 1. Short-Answer Questions:

- What do you mean by software engineering?
- Differentiate between fault and failure.
- Define waterfall model.
- What is SRS.
- What is acceptance testing?
- List various objectives of software design.
- What is the purpose of documentation?
- What do you mean by risk management?
- Define change control process?
- What is Reverse Engineering?

PART B (8×5)

CO1

Q. 2. Differentiate between Waterfall, Spiral and Prototyping Model.

OR

Define software engineering. What are the various principles of software engineering?

CO1

Q. 3. What is Requirement Analysis and Specification? Explain in detail.

OR

What are various Design principle? Explain different types of design methodologies.

CO2

CO2

Q. 4. Explain Object oriented software development.

OR

What are the various effort estimation techniques? Explain.

CO3

CO3

Q. 5. What is Software Testing? Explain any four kinds of testing techniques.

OR

Explain different types of software metrics in detail.

CO4

CO4

Q. 6. Explain COCOMO-I and COCOMO-II Models.

CO5

OR

Write a short note on a) Verification and Validation b) Reverse Engineering and Re-engineering

CO5