

ROLL No:

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Total number of pages: [1]

Total number of questions: 06

M.C.A. 6<sup>th</sup> Sem

**Software Testing & Quality Management**

Subject Code: MCA-604

Paper ID:

(for office use)

Time allowed: 3 Hrs

Max Marks: 60

**Important Instructions:**

- All questions are compulsory
- Assume any missing data

**PART A (2×10)**

Q. 1. Short-Answer Questions:

All COs

- Differentiate between error, fault and failure?
- What is the purpose of software testing?
- Define software quality?
- What is flowchart?
- What is Six Sigma Concept for Software Quality?
- What is code inspection?
- Define acceptance decisions?
- Discuss Statistical sampling?
- What is trend analysis?
- What are the theoretical and practical limitations of testing?

**PART B (8×5)**

Q. 2. Explain objectives of Software Testing?

COa

OR

Explain unit and system testing

COa

Q. 3. Discuss flow path testing?

COb

OR

What do you mean by regular expression? Explain?

COb

Q. 4. What do you mean by software quality? Explain?

COc

OR

What do you mean by software quality metrics? Explain?

COc

Q. 5. Discuss quality assurance in details?

COd

OR

Explain flowcharting and trend analysis?

COd

Q. 6. What are Software Quality standards?

COe

OR

Explain CMM level in Software Quality?

COe