

M.C.A. - I (Two Year Programme) (New CBCS Pattern) Semester-II
PSMCAT203 - Paper-III : Software Testing

P. Pages : 2

Time : Three Hours



GUG/S/25/13644

Max. Marks : 80

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram wherever necessary.
 3. Avoid vague answer and write answer relevant and specific to questions only.

Either :

1. a) What is Software Testing? Explain two Software Fiascos in detail. 8
- b) Explain in detail the power and challenges of software projects. 8

OR

- c) Explain reasons and solution of software failure. 8
- d) Discuss Risk-based testing and types of Risks in detail. 8

Either :

2. a) List all types of testing. Explain about glass box and use case testing. 8
- b) Explain in detail manual review and static analysis. 8

OR

- c) Explain the concept of gorilla testing and it's application in software testing. 8
- d) Explain the following: 8
 - i) Black box testing.
 - ii) White box testing.

Either :

3. a) What is dynamic testing? Explain in detail. 8
- b) Write a note on: 8
 - i) Budgeting.
 - ii) Scheduling the testing.

OR

- c) Write a note on: 8
 - i) Test specification.
 - ii) Log the defects.
- d) Explain how to design and execute the test cases. 8

Either :

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| 4. | a) | Explain different software testing tools and also classify them in detail. | 8 |
| | b) | Discuss in brief test director tool. | 8 |

OR

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|-----------|----|--|----------|
| | c) | Explain in detail the selection and introduction of tool in testing process. | 8 |
| | d) | Write a note on: | 8 |
| | | i) Human ethics. | |
| | | ii) Professional ethics. | |
| 5. | | Solve all the question. | |
| | a) | Write the metrics in testing phase. | 4 |
| | b) | Write short note on formal code reviews. | 4 |
| | c) | Explain management commitment in detail. | 4 |
| | d) | Explain in short the need for software testing tools. | 4 |
