

Master of Computer Application (MCA)-I (CBCS Pattern) Second Semester CBCS
PSMCAT203 - Software Testing Paper - III

P. Pages : 2

Time : Three Hours



GUG/W/18/11097

Max. Marks : 80

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labeled diagram and use supporting data wherever necessary.
 3. Avoid vague answers and write specific answers related to Questions.

1. Either:-

- a) What are the different challenges of software projects? Explain the different reasons and solutions of software failure. **8**
- b) What is testing? Explain the significance of testing in detail. **8**

OR

- c) Explain following in detail: **8**
 - 1) Psychology of testing.
 - 2) Testing phases.
- d) Explain the concept of Risk-based testing and types of Risks in detail. **8**

2. Either:-

- a) Explain the different testing levels and it's Approaches in detail. **8**
- b) Explain following types of testing in detail:- **8**
 - 1) Smoke testing.
 - 2) White box testing.

OR

- c) What do you mean by static testing? Explain the Purpose of manual Reviews. **8**
- d) Explain in detail about the concept of static Analysis. **8**

3. Either:-

- a) Explain following concepts in detail: **8**
 - 1) Test specification
 - 2) Design test case
 - 3) Execute test case.
- b) Explain in detail about how to generate Incident Report for Dynamic testing. **8**

OR

- c) What do you mean by Managing testing process? Explain Management commitment in detail. 8
- d) Explain planning, Budgeting and scheduling the testing in detail. 8
4. Either:-
- a) What do you mean by testing tools? Explain the need for testing tools. 8
- b) Explain the different benefits of testing tool also write different risk associated with tools. 8
- OR**
- c) Explain the term 'code of ethics for software professionals' in detail. 8
- d) Write in detail about the professional and Human ethics in software engineering. 8
5. Attempt all the Questions.
- a) Write short note on software testing professionals. 4
- b) Write short note on Use case and gorilla testing. 4
- c) Discuss in short about test Documentation standards. 4
- d) Write a note on ethical issues in software engineering. 4
