PSMCAT203 - Paper-III : Software Testing

P. Pages : 2

Time : Three Hours

7226

GUG/W/23/13644

Max. Marks : 80

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

Either:

1. a) What is the power and challenges of software projects? Explain. **8**

b) Enlist and explain the reasons of software failure and give solutions over failure. **8**

OR

c) What is software testing? Why testing is important? Explain. **8**

d) Explain the types of risks in software testing. **8**

Either:

2. a) Describe the testing levels and explain the different testing approaches. **8**

b) Write a detail note on Black Box Testing. **8**

OR

c) Explain use case testing in detail with suitable example. **8**

d) What is static Analysis? Explain with example. **8**

Either:

3. a) How to Generate Incident Report in Dynamic testing? Explain. **8**

b) What are the test Documentation Standards? Explain. **8**

OR

c) Discuss the formal methods of testing in detail. **8**

d) Write a note on Budgeting and Scheduling the testing. **8**

Either:

4. a) What is the need of software testing tools? Explain. **8**

b) Discuss the Risks associated with the testing tools in detail. **8**

OR

   c)   Explain the professional ethics while considering code of ethics for software professionals.   **8**

   d)   Describe the ethical issues in software engineering.   **8**

5.   Attempt all the questions.

   a)   Explain the Metrix in testing phase.   **4**

   b)   Write a note on white box testing   **4**

   c)   How to design the test cases in Dynamic Testing? Explain in brief.   **4**

   d)   What are the benefits of using software testing tools? Explain in brief.   **4**

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