

B.C.C.A.- III (CBCS pattern) Semester-VI
UBCCAT605.1 / 005 - Elective-I Paper-V - Software Testing and Quality Assurance

P. Pages : 2

Time : Three Hours



GUG/S/25/13386

Max. Marks : 40

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

Either :

1. a) Explain the concepts of software testing in detail. 4
- b) Explain in detail about UNIT testing. 4

OR

- c) Write a note on 4
- i) Verification
- ii) Validation
- d) Explain in detail about Integration testing. 4

Either :

2. a) Differentiate between Alpha testing and Beta testing. 4
- b) Explain the Debugging strategies in detail. 4

OR

- c) Explain the performance testing in detail. 4
- d) What is system testing? Explain any one system testing. 4

Either :

3. a) What do you mean by software risks? Explain in detail. 4
- b) Explain the following terms: 4

- i) Assessing Risk Impact
- ii) Risk Mitigation.

OR

- c) Explain the Risk components in detail. 4
- d) Explain the monitoring in detail. 4

Either :

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| 4. | a) | What is quality Assurance? Explain the quality concept. | 4 |
| | b) | Explain the six Sigma for software Engineering. | 4 |

OR

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|-----------|-----|---|----------|
| | c) | Explain the following terms : | 4 |
| | i) | Reporting | |
| | ii) | Record keeping. | |
| | d) | Explain in detail about statistical software quality Assurance. | 4 |
| 5. | | Solve all the questions:- | |
| | a) | Explain the role of organization for software testing. | 2 |
| | b) | Write a note on correcting the Errors. | 2 |
| | c) | What is Driver? Explain it. | 2 |
| | d) | Explain the Review meeting in shortly. | 2 |
