

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

P. Pages : 1

Time : Three Hours



**GUG/W/23/13386**

Max. Marks : 40

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

**Either:**

- |           |    |  |   |
|-----------|----|--|---|
| 1.        | a) | Explain Integration testing in detail.                       | 4 |
|           | b) | Why strategic approach needed for software testing? Explain. | 4 |
| <b>OR</b> |    |  |   |
|           | c) | Discuss test strategies for conventional software.           | 4 |
|           | d) | Write a detail note on UNIT testing.                         | 4 |

**Either:**

- |           |    |   |   |
|-----------|----|---|---|
| 2.        | a) | Write a detail note on stress and performance testing.      | 4 |
|           | b) | Explain debugging strategies in detail.                     | 4 |
| <b>OR</b> |    |   |   |
|           | c) | Discuss psychological consideration while software testing. | 4 |
|           | d) | Explain test strategies for object oriented software.       | 4 |

**Either:**

- |           |    |   |   |
|-----------|----|---|---|
| 3.        | a) | Explain Risk component and Divers in detail.                  | 4 |
|           | b) | Write a detail note on Risk identification.                   | 4 |
| <b>OR</b> |    |   |   |
|           | c) | How you can assessing Risk impact? Explain.                   | 4 |
|           | d) | Explain Risk table and write steps for developing Risk table. | 4 |

**Either:**

- |           |    |   |   |
|-----------|----|---|---|
| 4.        | a) | Explain Review Guideline for quality assurance.             | 4 |
|           | b) | Discuss six sigma for software engineering.                 | 4 |
| <b>OR</b> |    |   |   |
|           | c) | Explain formal technical review in detail.                  | 4 |
|           | d) | Write a detail note statistical software quality assurance. | 4 |

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|----|----------------------------|--|---|
| 5. | Attempt all the questions. |  |   |
|    | a)                         | Write a short note on verification.    | 2 |
|    | b)                         | Explain Alpha testing in brief.        | 2 |
|    | c)                         | Explain Risk mitigation in short.      | 2 |
|    | d)                         | What do you mean by Quality Assurance. | 2 |

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