# GUJARAT TECHNOLOGICAL UNIVERSITY
## BVOC – SEMESTER IV– EXAMINATION – WINTER 2021

**Subject Code:1140201**                                              **Date:29/12/2021**
**Subject Name: Software Testing and Project Management**
**Time:02:30 PM to 04:30 PM**                          **Total Marks: 50**
**Instructions:**
  1. **Attempt all questions.**
  2. **Make suitable assumptions wherever necessary.**
  3. **Figures to the right indicate full marks.**
  4. **Simple and non-programmable scientific calculators are allowed.**

| | | | Marks |
|---|---|---|---|
| **Q.1** | **(a)** | Explain steps involved to create WBS using appropriate example. | **05** |
| | **(b)** | Give the difference between PERT and CPM. | **05** |
| **Q.2** | **(a)** | State merits and demerits of functional testing. | **05** |
| | **(b)** | Discuss the advantages and disadvantages of top-down and bottom-up approaches to integration testing. | **05** |
| | | **OR** | |
| | **(b)** | Explain features of LoadRunner Testing Tool. | **05** |
| **Q.3** | **(a)** | Explain phases of software project. | **05** |
| | **(b)** | Explain positive and negative testing in detail. | **05** |
| | | **OR** | |
| **Q.3** | **(a)** | Explain Development and Testing in V model. | **05** |
| | **(b)** | Explain the Branch Coverage criteria with example. | **05** |
| **Q.4** | **(a)** | Consider that you are creating a e-Banking System. Kindly specify functional and non-functional requirements for the same. | **05** |
| | **(b)** | Explain scope management process for a project. | **05** |
| | | **OR** | |
| **Q.4** | **(a)** | Explain problems in software projects. | **05** |
| | **(b)** | Elaborate use of Gantt Chart. Create a Gantt Chart for the project of e-Licence System. | **05** |
| **Q.5** | **(a)** | Write a short note on Regression Testing. | **05** |
| | **(b)** | Explain Exploratory Testing in brief. | **05** |
| | | **OR** | |
| **Q.5** | **(a)** | Explain any two techniques of Object-Oriented Testing. | **05** |
| | **(b)** | Write a short note on Interactive Testing. | **05** |

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