###### Seat No.: \_\_\_\_\_\_\_\_ Enrolment No.\_\_\_\_\_\_\_\_\_\_\_

# **GUJARAT TECHNOLOGICAL UNIVERSITY**

**Ph.D. COURSE WORK EXAMINATION –**

**Subject Code: Date:**

**Subject Name:**

**Time: Total Marks: 70**

**Instructions:**

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Q.1** | **(a)** |  | **10** |
|  | **(b)** |  | **10** |
|  |  |  |  |
| **Q.2** | **(a)****(b)** |  | **10****10** |
|  |  |  **or** |  |
|  |  **(a)****(b)** |  | **10****10** |
| **Q.3** | **(a)****(b)** |  | **05****05** |
| **Q.4** **Q.5**  | **(a)****(b)****(a)****(b)** |  **\*\*\*\*\*\*\*\*\*\*\*\*\*** | **05****05****05****05** |