**Enrollment No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**GANPAT UNIVERSITY - U. V. PATEL COLLEGE OF ENGINEERING**

**B. TECH. SEMESTER V (COMPUTER ENGINEERING / INFORMATION TECHNOLOGY)**

**FIRST INTERNAL EXAMINATION - SEPTEMBER 2021**

**2CEIT502 : SOFTWARE ENGINEERING**

**Time: 1 Hour] [Total Marks:20**

**Instructions:**

1. Figures mentioned in the right side indicates full mark for the question
2. Be precise and to the point while answering questions.
3. Assume necessary data whenever needed.

**Attempt the given questions (Any five):**

| **Q1.** | Justify the following software characteristics:   1. *“Software is developed or engineered, it is not manufactured in the classical sense”*. 2. *“Software doesn’t wear out”* | **[4]** |
| --- | --- | --- |
| **Q2.** | Explain different characteristics of web apps. | **[4]** |
| **Q3.** | Justify following software myths that how they are wrong:   1. “If we get behind schedule, we can add more programmers and catch up” - ***Management*** 2. If I decide to outsource the software project to a third party, I can just relax and let that firm built it” - ***Management*** 3. “Software requirements continually change, but change can be easily accommodated because software is flexible” - ***Customer*** 4. “Once we write the program and get it to work, our job is done” - ***Developer*** | **[4]** |
| **Q4.** | Based upon characteristics of different SDLC models, fill the details only with: ***Poor, Good*** and ***Excellent***   | **Factors** | **Waterfall** | **Incremental** | **Prototype** | **Spiral** | | --- | --- | --- | --- | --- | | Unclear User requirements | Poor | Good | Good | Excellent | | Unfamiliar technology | Poor | Good | Excellent | Excellent | | Complex system | Good | Good | Excellent | Excellent | | Short-time schedule | Poor | Excellent | Excellent | Poor | | Strong project management | Excellent | Excellent | Excellent | Excellent | | Cost limitation | Poor | Excellent | Poor | Poor | | Documentation | Excellent | Excellent | Good | Good | | Component reusability | Excellent | Excellent | Poor | Poor | | **[4]** |
| **Q5.** | Explain the Design Models and also characteristics of good software design. | **[4]** |
| **Q6.** | Define Cohesion and Coupling and also explain types of Cohesion and Coupling. | **[4]** |