

Seat No. \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BID - SEMESTER- IV EXAMINATION – SUMMER 2024**

**Subject Code: 2X45102**

**Date:14-05-2024**

**Subject Name: Structure-IV**

**Time:10:30 AM TO 12:30 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.**

- Q.1** Design a 10 x 12 ft bedroom POP with detailed levels and nomenclature. **12**  
Add all additional details required with a POP | False Ceiling Layout on any Site for implementation.
- Q.2** Explain different Connections of steel structures riveted and welded **08**
- Q.3** Explain in detail with a neat diagram the components of a Truss and its Tensile and compressive members **10**
- Q.4** Explain types of welds and size of welds **06**
- Q.5** Explain Types of anti-termite treatment, pre-constructional and post construction treatments **08**
- Q.6** Name different types of POP and False Ceiling material used in the market **06**

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