



Managed by Jivan Jyot Trust, Amroli

**PROF. V. B. SHAH INSTITUTE OF MANAGEMENT | R. V. PATEL COLLEGE OF COMMERCE (ENG. MED.),  
V. L. SHAH COLLEGE OF COMMERCE (GUJ. MED.) | SUTEX BANK COLLEGE OF COMPUTER APPLICATIONS & SCIENCE, AMROLI.**

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## SUTEX BANK COLLEGE OF COMPUTER APPLICATIONS & SCIENCE, AMROLI

### B.Sc. (I.T.) / M.Sc. (I.T.) Semester - 2

#### **ASSIGNMENT: I**

**SEMESTER: 2<sup>nd</sup>**

**SUBJECT: 203- Fundamentals of Programming Using C-2**

**Submission Date: 19/02/2026**

#### **☒ ASSIGNMENT – 1 (UNIT 1: Structure & Union)**

##### **Q1. Answer the following (2 marks each)**

1. Define structure in C. Write syntax to declare a structure.
2. What is meant by structure initialization?
3. What is a nested structure?
4. Define union in C.

##### **Q2. Answer the following (4 marks each)**

1. Explain structure declaration, definition, and initialization with suitable example.
2. Explain array of structures with example.
3. Differentiate between structure and union.
4. Explain size of structure and factors affecting it.

#### **ASSIGNMENT: II**

**SEMESTER: 2<sup>nd</sup>**

**SUBJECT: 203- Fundamentals of Programming Using C-2**

**Submission Date: 19/02/2026**

#### **☒ ASSIGNMENT – 2 (UNIT 2: User Defined Functions)**

##### **Q1. Answer the following (2 marks each)**

1. What is a user defined function?
2. What is function declaration?
3. Define recursion.
4. What is meant by scope of variable?

##### **Q2. Answer the following (4 marks each)**

1. Explain call by value and call by reference with suitable example.
2. Explain different storage classes in C.
3. Explain recursion with advantages and limitations.
4. Explain how arrays are passed to functions.

Asst. Prof. Hitesh Patel

FY MSc IT Div - 1