



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 - 1

ASSIGNMENT: III

SEMESTER: 2nd

SUBJECT: 203- Fundamentals of Programming Using C-2

Submission Date: 19/02/2026

☒ ASSIGNMENT – 3 (UNIT 3: Pointers)

Q1. Answer the following (2 marks each)

1. What is a pointer?
2. Define chain of pointers.
3. What is a null pointer?
4. What is dynamic memory allocation?

Q2. Answer the following (4 marks each)

1. Explain pointer and array relationship with example.
2. Explain call by value and call by reference using pointers.
3. Explain dynamic memory allocation and its functions.
4. Explain pointer to structure with example.

ASSIGNMENT: IV

SEMESTER: 2nd

SUBJECT: 203- Fundamentals of Programming Using C-2

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☒ ASSIGNMENT – 4 (UNIT 4 & UNIT 5)

Q1. Answer the following (2 marks each)

1. What is a file in C?
2. What is command line argument?
3. Define macro.
4. What is conditional compilation?

Q2. Answer the following (4 marks each)

1. Explain file opening modes in C.
2. Explain file handling functions used for reading and writing data.
3. Explain macro with arguments and nested macro.
4. Explain conditional compilation with suitable example.

Asst. Prof. Hitesh Patel

FY MSc IT Div - 1