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**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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All colleges are Affiliated to Veer Narmad South Gujarat University, Surat

B.Sc. (I.T.) / M.Sc. (I.T.) 1s Semester

Course: 104: Fundamentals of Programming Using C-1

 **UNIT-WISE MCQs + ANSWER KEY**

UNIT 1 — Introduction to Programming Concepts

MCQs

1. Which of the following is NOT a characteristic of an algorithm?

- a) Finite
- b) Ambiguous
- c) Input
- d) Output

Answer: b

2. Which symbol is used in flowcharts to represent decision?

- a) Oval
- b) Diamond
- c) Rectangle
- d) Parallelogram

Answer: b

3. A program written in high-level language must be converted into machine language using:

- a) Keyboard
- b) Compiler
- c) Printer
- d) RAM

Answer: b

4. Which of the following is an example of low-level language?

- a) Python
- b) Assembly Language
- c) Java
- d) C

Answer: b

5. A variable is:

- a) A fixed value
- b) A memory location
- c) A hardware part
- d) A flowchart symbol

Answer: b



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UNIT 2 — Fundamentals of C

MCQs

1. C language was developed by:

- a) Charles Babbage
- b) Dennis Ritchie
- c) Bill Gates
- d) Ken Thompson

Answer: b

2. The extension of a C program file is:

- a) .txt
- b) .doc
- c) .c
- d) .exe

Answer: c

3. The escaping character “\n” represents:

- a) Null
- b) New line
- c) Next value
- d) Notification

Answer: b

4. Which function is used to print output in C?

- a) scanf()
- b) print()
- c) cout
- d) printf()

Answer: d

5. Which of the following is a keyword?

- a) main
- b) integer
- c) int
- d) print

Answer: c



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UNIT 3 — Introduction to C Language (Control Structures)

MCQs

1. Which operator has the highest precedence?

- a) +
- b) *
- c) =
- d) &&

Answer: b

2. Which statement is used for multi-way branching?

- a) if
- b) switch
- c) goto
- d) break

Answer: b

3. A loop that never ends is called:

- a) Finite loop
- b) Broken loop
- c) Infinite loop
- d) Static loop

Answer: c

4. The break statement is used to:

- a) Exit a loop
- b) Skip one iteration
- c) Stop the compiler
- d) End a program

Answer: a

5. Which loop checks the condition at the end?

- a) for
- b) while
- c) do-while
- d) nested for

Answer: c

UNIT 4 — Arrays

MCQs

1. An array is a collection of:

- a) Similar data elements
- b) Different data elements
- c) Strings only
- d) Functions

Answer: a

2. Array indexing in C starts at:

- a) 1
- b) 0
- c) -1



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d) 2

Answer: b

3. 2-D arrays are also known as:

- a) Tables
- b) Lists
- c) Matrices
- d) Records

Answer: c

4. The size of an array must be:

- a) Constant
- b) Variable
- c) Negative
- d) Unlimited

Answer: a

5. Searching an element one-by-one is called:

- a) Jump search
- b) Binary search
- c) Linear search
- d) Quick search

Answer: c

UNIT 5 — Character Array & Strings

MCQs

1. A string in C ends with:

- a) ;
- b) \n
- c) \0
- d) space

Answer: c

2. Which function is used to get a string input?

- a) gets()
- b) printf()
- c) puts()
- d) read()

Answer: a (Note: deprecated but used in academic syllabi)

3. strlen() returns:

- a) Total memory of string
- b) Size including \0
- c) Number of characters excluding \0
- d) ASCII value

Answer: c

4. Which of the following performs concatenation?

- a) strcpy()
- b) strcat()
- c) strcmp()



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d) stoi()

Answer: b

5. Array of strings is basically:

a) 1D char array

b) 2D char array

c) int array

d) pointer

Answer: b