

B.C.A. - I (CBCS Pattern) Semester-II
UBCAT203 - Paper-III : Fundamental of C

P. Pages : 2

Time : Three Hours



GUG/W/24/11717

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram and use supporting data whenever necessary.
 3. Avoid vague answer and write specific answer related to question.

Either:

1. a) Define operator explain types of operators. 8
- b) Describe basic structure of 'C' program with example. 8

OR

- c) Write a note on- 8
 - i) Constant
 - ii) Variable
- d) Write a program & draw a flowchart in C to interchange the value of two variable without using third variable. 8

Either:

2. a) Write a program in 'C' to check whether inputted number is even or odd (with algorithm & flowchart). 8
- b) Explain with syntax below single character I/O functions. 8
 - i) getch()
 - ii) getche()
 - iii) putchar()
 - iv) putch()

OR

- c) Explain switch----case with example. 8
- d) Write a program to check whether number is positive, negative and zero. (with algorithm & flowchart). 8

Either:

3. a) Explain following jump constructs with example. 8
 - i) Break statement
 - ii) Continue statement
- b) Define looping statement explain while statement with example. 8

OR

- c) Write a program to calculate reverse of a multidigit number. 8
- d) Explain with example- 8
 - i) Infinite loop
 - ii) Nested loop

Either:

- 4. a) What is the need of Array? Explain one-dimensional array using suitable example. 8
- b) Write a program for addition of two Dimensional Arrays. 8

OR

- c) Define sorting explain bubble sort with example. 8
- d) What is character function? Explain four character functions. 8

- 5. Solve all the questions.
- a) Write a note on Type casting. 4
- b) Explain Terray operator with example. 4
- c) Describe do--- while statement. 4
- d) Explain the concept of merging. 4
