

Bachelor of Commerce (Computer Application) - I (CBCS Pattern) Second Semester
UBCCAT205-Paper-IV : Programming Logic and Techniques & Introduction to C

P. Pages : 1

Time : Three Hours



GUG/W/18/10623

Max. Marks : 40

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

1. Either

- a) Explain compilation process in detail. **4**
b) Write some notes of following. **4**
i) Fortran ii) COBOL iii) BASIC
OR
c) How compiler is different from Interpreter ? Explain. **4**
d) What are characteristics of good language? Explain. **4**

2. Either

- a) State advantages and disadvantages of flowchart. **4**
b) Write an algorithm to calculate sum of five numbers and print it. **4**
OR
c) What are different symbols used for drawing a flowchart? Explain. **4**
d) Explain complexity of an algorithm. **4**

3. Either

- a) What is type casting? Explain it with suitable example. **4**
b) Explain input statement in 'C' language. **4**
OR
c) Explain printf() statement with various form. **4**
d) Write 'c' program to accept three digit number and calculate & print reverse number of given three digit number. **4**

4. Either

- a) Explain while loop. With its syntax and example. **4**
b) Explain the role of 'break' and 'continue' keywords in 'C' language. **4**
OR
c) Write a 'C' language program to find given number is prime or not. **4**
d) Explain 'Nested if' structure in 'C' language write a 'C' program to find largest among three numbers. **4**

5. Solve all the questions.

- a) Explain assembler in detail. **2**
b) Explain rules for drawing flowcharts. **2**
c) Explain role of Datatypes in 'C'. **2**
d) Explain 'break' keyword along with example. **2**
