

Total No. of Questions : 5]

SEAT No. :

PA-1002

[5902]-21

[Total No. of Pages : 2

F.Y.B.Sc. (Computer Science)
CS-121: ADVANCED 'C' PROGRAMMING
(New CBCS 2019 Pattern) (Semester-II)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Figures to the right indicate full marks.*
- 3) *Assume suitable data if necessary.*

Q1) Attempt any 8 of the following.

[8×1=8]

- a) What is null pointer?
- b) What is array of pointers?
- c) Write 2 properties of command line argument.
- d) What is the purpose of 'include' in a c-program?
- e) Which Functions used to write data into File?
- f) What is use of rewind ().
- g) Write advantages of union.
- h) Which Functions are used to read a string?
- i) What is use of typedef?
- j) What is string literal?

Q2) Attempt any four of the following. (out of 5).

[4×2=8]

- a) Write short note on MACRO substitution directive (define).
- b) Write difference between call by value and call by reference.
- c) What is string? How to declare string and initialize string.
- d) Write short note on accessing structure members.
- e) Explain various File acces mode.

P.T.O.

Q3) Attempt any 2 of the following (out of 3). **[2×4=8]**

- a) Program to create structure Book Detail and display the book details in Proper Format by Passing the structure as Function argument.
- b) Program to compute the sum of all elements in an array using pointers.
- c) Program to concatenate two strings in single string using arrays.

Q4) Attempt any 2 of the following. (out of 3). **[2×4=8]**

- a) Program to copy File into another using command line arguments.
- b) What is structure? Write the difference between structure & union.
- c) Write short note on dynamic memory management.

Q5) Attempt any 1 of the following. (out of 2). **[1×3=3]**

- a) Program to calculate area and circumference of circle using macro.
- b) Explain any 3 string Searching functions.

