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Seat No.:



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE
(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



Bachelor of Computer Application (Semester II) Internal Examination - 2025
US02MABCA01 : ADVANCED C PROGRAMMING

Date: 04/03/2025 Day: Tuesday

Time: 2:45pm To 4:15pm

Total marks :30

Note: Figures to the right indicate marks of the question.

Q-1 Write the most appropriate answer from the following multiple-choice questions.

[06]

- 1 The parameter is also known as _____.
(a) argument (b) variable
(c) data type (d) array
- 2 The variables declared in a structure definition are called as its _____.
(a) objects (b) members
(c) record (d) none
- 3 When fopen() is not able to open a file, it returns _____.
(a) EOF (b) NULL
(c) one (d) zero
- 4 Size of a union is determined by size of the _____.
(a) First member in the union (b) Last member in the union
(c) Biggest member in the union (d) Sum of the sizes of all members
- 5 How will you free the allocated memory?
(a) remove(ptr) (b) free(ptr)
(c) dealloc(ptr) (d) destroy(ptr)
- 6 Getc() returns EOF when _____.
(a) End of files is reached (b) on error
(c) both a and b (d) none of the above

Q-2 Explain passing 2-Darray to function with example.

[06]

OR

Q-2 State difference between structure and union with example.

Q-3 Explain recursive function with example.

[06]

OR

Q-3 Write a prog. For user define function with type of function on the basis of arguments and return value processing.

Q-4 Explain malloc () and calloc() with example.

[06]

OR

Q-4 Explain pointer arithmetic expressions in detail.

Q-5 Explain getc() and putc() function with syntax and one suitable program

[06]

OR

Q-5 Explain fprintf() and fscanf() with syntax and one suitable program.