

Seat Number

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April 2015



खजिना - 013

COMPUTER SCIENCE PAPER - II : UG-CS - 122
C Programming - II
(12246)

P. Pages : 3

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to the right indicate full marks.

1. Attempt any eight.

8

- a) File manipulation functions in C are available in which header file ?
 - i) streams.h
 - ii) stdio.h
 - iii) stdlib.h
 - iv) files.h
- b) Pointers are of
 - i) integer data type
 - ii) char data type
 - iii) unsigned integer data type
 - iv) None of these
- c) By default a function returns a value of type
 - i) int
 - ii) char
 - iii) void
 - iv) none of these
- d) Which is valid string function ?
 - i) strpbrk
 - ii) strlen
 - iii) strxfrm
 - iv) strcut
- e) Which function reallocates memory ?
 - i) realloc
 - ii) alloc
 - iii) malloc
 - iv) None of these
- f) Give the syntax of defining putpixel() ?

- g) What is the use of fseek() ?
- h) What do you mean by call by reference ?
- i) What will be the size of following union declaration ?
 Union Test {
 int x;
 char y;
 float z; }
 i) 7 bytes ii) 4 bytes
 iii) 1 byte iv) 5 bytes
- j) Define the term file ?

2. Attempt any four.

8

- a) Explain (i) strlen() (ii) strcat with suitable examples ?
- b) What is structure ? Give one example ?
- c) Explain any two graphics function ?
- d) What is command line argument ?
- e) Explain dynamic memory allocation ?
- f) Define the terms
 i) Record ii) Field

3. Attempt any two.

8

- a) What is recursion explain with suitable example ?
- b) What is pointer ? Explain with suitable example ?
- c) Explain (i) fprintf() (ii) fscanf()
 with example.

4. A) Attempt any two.

6

- a) Explain automatic storage class specifier ?
- b) Distinguish between structure & union ?
- c) Explain getc() and putc() in brief ?

- B) List any three file mode in C ? 2
5. A) Attempt **any one**. 8
- a) Write a 'C' language program to draw '+' sign at the center of screen.
 - b) Distinguish between call by value and call by reference ?

OR

- B) a) Write a 'C' language program to swap two numbers using pointers and function ?
- b) Explain the concept of pointer to pointer with suitable example ?
