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SUBJECT CODE NO:- B-2041
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. S.Y. (Sem-III) Examination Oct/Nov 2019
Computer Science Code - CS07
Advance C Programming

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

- N.B
- 1) Attempt all questions.
 - 2) Illustrate your answer with suitable example.
- Q.1
- a) Explain in detail how to access members of structure. 10
 - b) What is function prototype? What is difference between actual and formal parameters? 10
- OR
- a) How is pointer initialized in C? Explain valid arithmetic operations applicable on pointers. 10
 - b) Explain any five data conversion functions in C. 10
- Q.2
- a) Explain auto and extern storage classes with example. 10
 - b) What are different file handling functions in C? Explain any two basic operations on files. 10
- OR
- Write short notes on any four of the following. 20
- a) Initgraph () and detectgraph ()
 - b) Array of structure
 - c) Union
 - d) Types def statement
 - e) rewind ()
 - f) fseek ()
- Q.3 Multiple choice questions. 10
- 1) The function available to compare two strings is -----
 - a) strcat ()
 - b) strvpr ()
 - c) strcmp ()
 - d) strlen ()
 - 2) the initgraph () function is for -----
 - a) Initialization of graph
 - b) Detect graph
 - c) Define graph
 - d) Draw the graph
 - 3) To generate random number the function is -----
 - a) random ()
 - b) rnd ()
 - c) rd ()
 - d) random ()

- 4) memory allocation function is -----
- a) malloc ()
 - b) calloc ()
 - c) x alloc ()
 - d) nalloc ()
- 5) To draw circle in c the syntax is -----
- a) circle (x, y, radius)
 - b) rectangle (left, top, right, bottom)
 - c) ellipse (x, y, start_angle, end_angle, x radius, y radius)
 - d) line (x₁, y₁, x₂, y₂)
- 6) The function to read data from the file -----
- a) fread ()
 - b) fwrite ()
 - c) fopen ()
 - d) fclose ()
- 7) The function to upper () is used for -----
- a) Convert string into uppercase character
 - b) Convert string into lowercase character
 - c) Concat string
 - d) Compare string
- 8) What is the advantage of # define over const?
- a) Data type is flexible
 - b) Can have a pointer
 - c) Reduction in the size of program
 - d) None of these
- 9) Which is an indirection operator among the following
- a) &
 - b) *
 - c) ->
 - d) .
- 10) Which of the following can never be sent by call by value?
- a) Variable
 - b) Array
 - c) Structures
 - d) Both array and structures