

N-23/2111

22176/N

Programming Fundamentals Through "C" Language-103

Sem-I

Syll-Dec/2017

Time:-3hrs

M.M.-70

Note: Candidates are required to attempt five questions in all, selecting two questions each from sections A and B and entire section C.

Section - A

Q1.	Explain the different types of loops in C with syntax and example.	10:5
Q2.	Discuss in detail with examples differences between all the four storage classes.	10.5
Q3.	What is operator? Explain different types of operator in C language with suitable examples.	10.5
Q4.	What are the various data types available in C language? Discuss conditional statements with suitable example program of each.	10.5

Section - B

Q5.	Explain file handling. Write a program to create a file and display its contents. Assume suitable data.	10.5
Q6.	Explain nesting of structures with example. Also state differences between structure and union.	10.5
Q7.	Write a program in C to add two 3-D matrices using pointers.	10.5
Q8.	Write a program to pick the largest number from 6 row by 6 column matrix. Use functions for reading and finding maximum from array.	10.5

Section - C

Q9. (a)	What is pointer to pointer? Explain with an example.	3
(b)	What is the difference between "int" and "long int"?	3
(c)	What are the actual and formal parameters of the function?	3
(d)	Distinguish between break and continue.	3
(e)	"C is format-free language". Justify the statement.	3
(f)	Differentiate between structure and array.	3
(g)	What are command line arguments?	3
(h)	Write any two advantages of pointers.	3
(i)	Describe two advantages of C preprocessor.	2
(j)	What is the need for functions?	2