

F.Y. B.Sc.(IT) : Sem. I
Imperative Programming
Prelim Question Paper



Time : 2½ Hrs.]

[Marks : 75

- N.B.: (1) All questions are compulsory.
(2) Answer to the same questions must be written together.
(3) Numbers to the right indicate marks.
(4) Draw neat labeled diagrams wherever necessary.
1. Attempt the following (any THREE) [15]
(a) Explain 4 basic data types in C.
(b) What are rules for naming the identifiers?
(c) Write program to print "Hello World".
(d) What are C tokens?
(e) Write a short note on history of C.
(f) Define variables and constants.
2. Attempt the following (any THREE) [15]
(a) Write an algorithm to print the greatest of three numbers.
(b) Write a short note on Ternary operator with example.
(c) Explain bitwise operators with example.
(d) Explain logical operator in detail.
(e) Explain different types of errors in C program.
(f) Write a Short note on Reserved Words.
3. Attempt the following (any THREE) : [15]
(a) Write a program to reverse the digits of the number.
(b) Write a short note on switch case.
(c) Write a program to find HCF of two numbers.
(d) Write a program to generate fibonacci series.
(e) Write a program to generate the following output:
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
(f) Write a Program to display factors of a given number.
4. Attempt the following (any THREE) [15]
(a) Explain call by value and call by reference.
(b) State 4 storage classes and explain any 2 of them in detail.
(c) Explain Function prototype.
(d) Write a program to find the matrix multiplication.
(e) Write a program for linear search.
(f) Write a program to arrange an array in ascending order.
5. Attempt the following (any THREE) [15]
(a) Write a short note on pointers with example.
(b) Write a program to find the factorial using recursion.
(c) Write a short note on structure with example.
(d) Explain any 4 string functions with example.
(e) Write a short note on Unions with example.
(f) Write a short note on dynamic memory allocation.

Paper Discussion Schedule for all Subjects

Date	Day	Timing	Centre
1 Nov. 2016	Tuesday	6.00 p.m. to 7.00 p.m.	Nerul
2 Nov. 2016	Wednesday	9.00 a.m. to 11.00 a.m.	Andheri
2 Nov. 2016	Wednesday	12.00 p.m. to 2.00 p.m.	Dadar
2 Nov. 2016	Wednesday	3.00 p.m. to 5.00 p.m.	Thane

