

Roll No. ....

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Annual Examination, 2016

**B. Sc. I**

INFORMATION TECHNOLOGY

**Paper II**

[ Programming in 'C' ]

TIME — 3 Hours )

( M. M. — 50

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*NOTE : All questions compulsory.*

Section 'A'

5 × 2 = 10

1. Differentiate compilers and Interpreter.
2. Write the range of integer in 'C'.
3. What is the syntax of Do.....while loop.
4. Define function in 'C' language.
5. Define array of structure.

P. T. O.

Section 'B'

5 × 3 = 15

**NOTE :** Write the short answer with the word limit 75-100 words.

6. Differentiate low level, middle level and high level language.

Or

What is flow chart ? Explain with suitable diagram.

7. Explain primitive data type in C++ in brief.

Or

Write a 'C' program to calculate Simple Interest.

8. What is Assignment operator ? Explain with example.

Or

Write a 'C' Program to check smallest number.

9. What is recursion ? Explain types of recursion.

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Or

Write a 'C' program to find a factorial of given number.

10. Differentiate structure and union.

Or

Differentiate built in function and user defined function.

Section 'C'

5 × 5 = 25

11. What is C language ? Explain programming development techniques.

Or

What is Algorithms ? Write a algorithm for multiplication of two number.

12. Define any five header files in C language.

Or

Explain C programming structure and C compiler.

13. Write a program in 'C' to print Fibonacci series.

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Or

What is Boolean operator ? Explain with suitable example.

14. Explain call by value and call by reference in brief.

Or

Write a program in C to addition of two matrix.

15. Explain nesting of structure with an example.

Or

Write a C program to insert 5 records of students using structure.

x x x x x b x x x x x