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SIS 069 B-2K13

B.Sc. Ist Semester Degree Examination

Computer Science

(Introduction to Computer & 'C' Programming)

Paper - CS-101

Time : 3 Hours Maximum Marks : 80

Section - A

I. Answer the following questions: **(1×15=15)**

1) What is an analog computer?
2) Define bit.
3) What is Volatile memory?
4) Convert $65_{(10)}$ to octal number system.
5) What is machine language?
6) What is operating system?
7) Define LAN.
8) Define internet.
9) What is printer?
10) Define RAM.
11) What is an algorithm?
12) Define syntax error.
13) What are tokens in 'C'?
14) What is an array?
15) Write the syntax of while statement.

Section - B

II. Answer any **five** questions: **(5×5=25)**

1) What are salient features of 'C' language?

2) What is printer? Explain any one impact printer.

3) What is cache memory? Differentiate between main memory and cache memory.

4) Write the steps to convert decimal to binary with example.

5) How do you declare an array? Also explain initialization of an array.

6) Write a 'C' program to accept N digits numbers and reverse it.

7) Explain the string handling functions.

Section - C

III. Answer any **four** questions: **(10×4=40)**

1) Explain different units of computer with neat block diagram.

2) Explain if and nested if statements in 'C' with suitable example.

3) What is computer network? Explain different types of networks.

4) What is an algorithm? Write an algorithm of FIBONACCI numbers.

5) Write an algorithm, flowchart and 'C' program to check given word is Palindrome or not.

6) Explain basic logic gates with its truth table and logic symbols.