Reg. No. ☐☐☐☐☐☐☐☐

I Semester B.C.A.3 Degree Examination, Nov./Dec. 2017
C PROGRAMMING
(Repeaters)

Time : 3 Hours   Max. Marks : 80

Instructions :   * **All** Sections are **compulsory**.
                   * *Enter the question numbers **correctly**.*
                   * *Draw **neat** diagrams **wherever** required.*

SECTION – A

1. Answer **any ten** of the following :   **(10×2=20)**

   a) What are the characteristics of first generation computers ?

   b) Explain any two I/P devices.

   c) What is keyword ? Give an example.

   d) Define linkers and loaders.

   e) Write syntax for do-while with an example.

   f) What is address operator ? Give an example.

   g) What is difference between goto and break statement ?

   h) What is array ? How to initialize array ?

   i) Explain function prototype with example.

   j) How to read and write a string in C program ?

   k) Write advantages of user defined functions.

   l) What is a function call ?

SECTION – B

Answer **any four** of the following :   **(4×5=20)**

2. Explain the generation of a computer.

3. Write a note on primary and secondary disc.

P.T.O.

4. Explain the basic structure of C program.

5. What is datatype ? Explain the four basic types of C.

6. What is one dimensional array ? Write a program to read elements and sort them in ascending order.

7. Write a C program to find length of string without using built in functions.

SECTION – C

Answer **any four** of the following :   **(4×10=40)**

8. Explain the block diagram of computer system with neat diagram.

9. Explain formatted and unformatted I/P and O/P functions with an example.

10. Differentiate between entry controlled loop and exit controlled loop.

11. Write a C program to compute addition and subtraction of matrices.

12. Write a C program to find given string is palindrome or not using function.

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