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AF—13/V—12—2017

FACULTY OF COMPUTER STUDIES

B.C.A. (First Year) (Second Semester)/B.Sc. (CS) (First Year)

(Second Semester) EXAMINATION

MARCH/APRIL, 2017

(CBCS Pattern)

COMPUTER APPLICATION

Paper S2.2

(Programming in C)

(Monday, 10-4-2017)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—75

- N.B. :—*
- (i) All questions are compulsory.
 - (ii) Figures to the right indicate full marks.
 - (iii) Assume suitable data, if required.

1. Attempt any *five* of the following questions : 15

- (a) Explain Flowchart.
- (b) How many keywords are used in C ? Write down their names.
- (c) Define Break statement.
- (d) What is function ?
- (e) Explain pointer declaration.
- (f) What are strings ?
- (g) Define array of structure.

2. Attempt any *two* of the following questions : 10

- (a) Write a program in C to print message “your name”.
- (b) Explain Data types in C.
- (c) Explain different types of operator.

P.T.O.

3. Attempt any *two* of the following questions : 10
- (a) Explain if and if else statements with examples.
 - (b) WAP in C to print summation of series.
 - (c) Give difference between entry controlled loop and exit controlled loop.
4. Attempt any *two* questions of the following : 10
- (a) Explain return() with example.
 - (b) Explain recursion function.
 - (c) WAP in C to calculate calsum() with three values.
5. Attempt any *two* of the following questions : 10
- (a) WAP in C to print one dimensional array.
 - (b) Explain pointer to pointer.
 - (c) WAP in C to calculate addition of five array.
6. Attempt any *two* of the following questions : 10
- (a) Write and print example of any triangle.
 - (b) Explain standard library function.
 - (c) Explain array to strings.
7. Attempt any *two* of the following questions : 10
- (a) How to create structure ? Explain with example.
 - (b) Explain types of files.
 - (c) WAP in C to read contents from file.