

4 SEM TDC COSK 1 II (A)

2016

(May)

COMPUTER SKILL—II (A)

(For B.Sc. General Programme)

Course : 401

(C and Shell Programming Basics)

Full Marks : 48

Pass Marks : 19/14

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following :

1×6=6

- (a) What is shell programming?
- (b) What is file?
- (c) What is an array?
- (d) What is formal parameter?
- (e) What is recursion?
- (f) What is string?

(2)

2. Answer the following :

$$2 \times 6 = 12$$

- (a) What is call by reference?
- (b) What are storage classes in C?
- (c) What is function?
- (d) What are different loops in C?
- (e) Write two functions available in `<math.h>`.
- (f) What is constant?

3. Answer any five from the following :

$$6 \times 5 = 30$$

- (a) Write a shell script to display even numbers between 1 and 50.
- (b) Write a C program to find the sum of n numbers in an array.
- (c) Write a C program to find the greatest and smallest number in an array and swap them.
- (d) Write a C program to find the sum of the digits of a 3-digit number.

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(Continued)

(3)

(e) Write a C program to read and display an employee structure. Make your own assumptions.

(f) Write a C program for reading from a file.

(g) Write a C program to verify a string whether it is a palindrome or not.

(h) Write a C program to display n numbers of Fibonacci series.

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