

This question paper contains 2 printed pages|

V—345—2017

FACULTY OF SCIENCE

B.Sc. (VI Semester) EXAMINATION

NOVEMBER/DECEMBER, 2017

COMPUTER SCIENCE

Paper XV

(Unix Shell Programming)

(Tuesday, 12-12-2017)

Time : 10.00 a.m. to 12.00 noon

Time—Two Hours

Maximum Marks—40

N.B. :- (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if necessary.

1. Attempt any *four* of the following : 8
 - (a) Explain shell variable.
 - (b) Draw hierarchical directory structure in Unix.
 - (c) Explain Unix file permissions.
 - (d) Discuss Awk command.
 - (e) What is Tbl preprocessor ?
 - (f) Describe Pwd command.
2. Attempt any *two* of the following : 8
 - (a) Explain different loops in Shell programs.
 - (b) Explain features of Unix.
 - (c) Explain any *two* built in functions.
3. Attempt any *two* of the following : 8
 - (a) Write a Shell program to calculate average of two numbers.
 - (b) Explain basics of file directories and file names in Unix.
 - (c) Explain chmod command.

P.T.O.

- 4. Attempt any *one* of the following : 8
 - (a) Explain different relational operators used in Shell program.
 - (b) Write a detailed note on Traps.
- 5. Write short notes on (any *two*) : 8
 - (a) Unix system calls
 - (b) Get and put
 - (c) Error recovery
 - (d) Low level I/O.