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W—401—2018

FACULTY OF SCIENCE

B.Sc. (Third Year) (Sixth Semester) EXAMINATION

NOVEMBER/DECEMBER, 2018

COMPUTER SCIENCE

Paper XV

(Unix Shell Programming)

(Friday, 7-12-2018)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) Assume suitable data, if necessary.

1. Attempt any *four* of the following : 8
 - (a) Explain different directories in Unix system.
 - (b) What is the purpose of I/O redirections in Unix ?
 - (c) Write a note on News command.
 - (d) Explain the purpose of Zap command in Unix.
 - (e) What is Build in function ?
 - (f) Explain the concept of functions and procedures.
2. Solve any *two* of the following : 8
 - (a) Explain the concept of low level I/O in Unix.
 - (b) Write a note on control flow in unix shell programming.
 - (c) Explain the purpose of Tbl and eqn preprocessors.
3. Solve any *two* of the following : 8
 - (a) Explain different filters in unix shell program.
 - (b) Write a detailed note on shell variables with example.
 - (c) What is loop ? Explain while loop with example.

P.T.O.

4. Solve any *one* of the following : 8
- (a) Write a shell program to print Fibonacci series upto N terms.
 - (b) Explain in detail signals and interrupts.
5. Write short notes on any *two* : 8
- (a) Get and Put
 - (b) File Access
 - (c) Conditional Expressions
 - (d) Grep Command.