

**III/BCA/303P**

**2 0 1 7**

**( 3rd Semester )**

**BACHELOR OF COMPUTER APPLICATION**

**Paper No. : BCA-303P**

**( UNIX and Shell Programming )**

**( Practical )**

*Full Marks : 75*

*Time : 3 hours*

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

**SECTION—A**

**Answer any *two* questions**

- 1. Write a program to create a file, count the number of lines, words and characters of that file. 15**
- 2. Write a program to calculate the sum of five-digit numbers. 15**
- 3. Write a shell script to calculate Profit & Loss. 15**

**8G/268**

**( Turn Over )**

4. Write a program to calculate gross salary if the DA is 55% of basic salary, HRA is 25% of basic salary. 15

## SECTION—B

Answer *any one* question

5. Write a program to determine whether the given year is leap year or not. 20
6. Write a shell script to print the prime numbers from 1 to 100. 20

## SECTION—C

7. Viva voce 15
8. Practical record book 10

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05 DEC 2017