

Roll No.

U03A15

Y-2128

B. Sc. (Part I) EXAMINATION, 2015

COMPUTER SCIENCE

Paper Second

(Computer Software)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt any *two* parts from each question. All questions carry equal marks.

1. (a) What is an Operating System ? What are its different functions ?
- (b) Explain the different features of Windows operating system.
- (c) Draw a flowchart to calculate the sum and average of n numbers.
2. (a) Explain the procedure for Mail Merge in MS-Word.
- (b) Write any *five* mathematical functions available in MS Excel.
- (c) Write short notes on any *two* of the following :
 - (i) FTP
 - (ii) e-Mail
 - (iii) Firewalls

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3. (a) Write a short note on Input and Output functions used in C.
 - (b) Differentiate between the following :
 - (i) while and do-while statement
 - (ii) break and continue
 - (c) What is a function ? Explain with an example program.
4. (a) Define Array. Explain different types of array with example.
 - (b) What is a Pointer ? What is the use of pointer in C ?
 - (c) Explain different string manipulating functions.
5. (a) What are the similarities and differences between structure and union ?
 - (b) Explain different dynamic memory allocation functions.
 - (c) Describe all the modes used in fopen().

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