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## Paper Second : 2015 Annual Computer Software

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- 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
- 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 ( ):