Roll No......................　　　　　　　Total No. of Sections　　: 03

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Code No. : S-177

Annual Examination - 2019

B.Sc. Part - I

COMPUTER SCIENCE

Paper - II

COMPUTER SOFTWARE

Max.Marks : 50

Time : 3 Hrs.　　　　　　　　　　　　　　　　**Min.Marks : 17**

Note : Section 'A', containing 10 very short-answer-type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

Section - 'A'

Answer the following very short-answer-type questions in one or two sentences :　　　　　　　　　(1 × 10=10)

Q.1　What is the full form of BASIC?

Q.2　Write two differences between DOS and Windows Operating System?

Q.3　Which function is used to show the slides?

Q.4　Write the name of any three search engines?

Q.5　Write the syntax of 'for' loop?

Q.6　What is the use of break statement?

Q.7　Write the use of pointer.

P.T.O.

Q.8   Define array.

Q.9   What are the uses of self referential structure?

Q.10   Define FILE in 'C'?

Section - 'B'

Answer the following short-answer-type questions with word limit 150-200 :   **(3   5=15)**

Q.1   Differentiate between constant and variables.

OR

What does communication Dial-up networking means?

Q.2   Write the features of Word Processing.

OR

Explain absolute and relative addressing of MS-Excel working with range.

Q.3   Differentiate between 'while' and 'do-while' loop.

OR

Explain switch case statement with flowchart, syntax and example?

Q.4   Explain pointer to pointer with suitable example.

OR

Write any four string handling functions.

Q.5   Write the differences between structure and union.

OR

Explain library functions used for dynamic memory allocation.

Section - 'C'

Answer the following long-answer-type questions with word limit 300-350 :   **(5   5=25)**

Q.1   Define flowchart? Draw the flowchart to find out the greatest among two numbers.

OR

Explain relational and logical expressions. Also define the hierarchy of operators.

Q.2   Define Mail merge. What are different steps of mail-merge? Explain with suitable example.

OR

What are the uses of firewall? Discuss different types of firewalls.

Q.3   Define operator. Write any four operators of 'C' language?

OR

What are the advantages of recursion? Write a program to find out the factorial of a given number using recursion.

Q.4   Write a program to perform addition of two matrices of matrix.

OR

Write a program to find out the length of a string using pointer and function.

Q.5   Write a program to demonstrate the use of structure within structure.

OR

Explain different types of files. What are the file error handling functions.

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