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FYBCA, SEM I, SPECIAL SUPPLEMENTARY EXAMINATION, MAY/JUNE 2015

Problem Solving & Programming Concepts

BCA-101

Duration: 2 hours   Total

Marks: 50

Instruction : 1) All Questions are Compulsory

2) Figures to right indicate marks

O1 .A)Name the following   (5 marks)

1] Function calling itself.

2] header file used in c for using string operations.

3]output multi word by using function.

4] reserved words in programming language .

5] Software used for general purpose applications.

Q1 .B)Give a reason for the following.   (5 marks)

1]Testing is considered as important step in programming.

2]Comment lines are necessary in programs .

3] variables used in programs need to be declared in the beginning of program.

4] variable name declared as " Avg _marks? " results in error .

5] Algorithm writing is important for programmers.

Q2) Answer the following.

Q1] Give differences between Assembler and Interpretor.   (2 marks)

Q2] write note on First generation languages?   (3 marks)

Q3] What is an FlowChart? Draw flowchart to generate Fibonacci series .   (5 marks)

Q3) Answer the following.

Q1]Explain the difference between logical error and Syntax error?   (2 marks)

Q2]Explain the following string functions with example.   (3 marks)

I]strlen()   2] strlwr()   3] strcpy()

Q3]What are the characteristics of algorithm. Write algorithm to check number is even or odd.

(5 marks)

Q4) Answer the following.

Q1]How is assignment operator different from equal to operator explain with example? (2 marks)

Q2]what is a Function? Explain the use of functions in programs?   (3 marks)

Q3]What is the use of Structure in C ? Create structure to store Name and Rollno of Student .Create two student structure variables to store student information and display on screen.   (5 marks)

Q5) Answer the following.

Q1]Give the difference between Automatic Storage class and Static Class.   (2 marks)
Q2]Write short note on pointers in C-Language.   (3 marks)

Q3] Define the terms.   (5 marks)

i] Operating System.   ii] Arrays   iii] Program   iv] Translator   v] Constant Variable.

****************************BEST OF LUCK*************************************