AE-1309

B.C.A. (Part - I)
Term End Examination, 2016-17

PC SOFTWARE PACKAGES AND PROGRAMMING IN 'C'

Time : Three Hours]   [*Maximum Marks* : 100
[*Minimum Pass Marks* : 33

Note : Answer **all** questions. The figures in the right-hand margin indicate marks.

Question No.1 is Compulsory :   3×10

1. Choose the correct answer of the following questions :

(*a*) What is the file extension of the MS Word file ?

    (*i*) doc

    (*ii*) docx

    (*iii*) Both (*i*) and (*ii*)

    (*iv*) None of these

(2)

(*b*) What is the shortcut key to add/insert new slide in the PowerPoint Presentation ?

(*i*) CTRL + N

(*ii*) CTRL + SHIFT + N

(*iii*) ALT + N

(*iv*) None of these

(*c*) How many basic data types are in 'C' Language ?

(*i*) 4   (*ii*) 5

(*iii*) 6   (*iv*) None of these

(*d*) Union is used to create :

(*i*) User defined data type

(*ii*) Pre-defined data type

(*iii*) Both (*i*) and (*ii*)

(*iv*) None of these

(*e*) For loop is :

(*i*) Exit control loop

(*ii*) Entry control loop

(*iii*) Both (*i*) and (*ii*)

(*iv*) None of these

(*f*) In function parameter/argument can be passed by :

(*i*) Value   (*ii*) Pointer

(*iii*) Both (*i*) and (*ii*)   (*iv*) None of these

(3)

(*g*) Modulus operator can not be applied on :

    (*i*) Integer operand

    (*ii*) Other than integer

    (*iii*) Both (*i*) and (*ii*)

    (*iv*) None of these

(*h*) What is the shortcut key to save any open file in MS Word ?

    (*i*) CTRL + S   (*ii*) ALT + S

    (*iii*) CTRL + ALT + S (*iv*) None of these

(*i*) Identifier name can not be started by :

    (*i*) Underscore   (*ii*) Digit

    (*iii*) Both (*i*) and (*ii*)   (*iv*) None of these

(*j*) Preprocessor directives are started by :

    (*i*) # Symbol   (*ii*) @ Symbol

    (*iii*) Both (*i*) and (*ii*)   (*iv*) None of these

Answer any **two** parts from each question carries 14 marks.

2. (*a*) Explain the process of installing and removing any printer in Windows O.S.

    (*b*) Explain the function of Tool Bar in MS Word.

    (*c*) What is Internet ? Explain different types of connection through which we can get internet.

3. (*a*) What is Query ? Write any three SQL statement with example.

(4)

    (*b*) What is Spreadsheet ? Explain its applications in detail.

    (*c*) What is report in MS Access ? Write a process to create a report.

4. (*a*) What is Operator ? Explain the relational operator with simple program.

    (*b*) What is Exit Control Loop ? Write a program to demonstrate the use of exit control loop.

    (*c*) Write short notes on the following :

       (*i*) Real constant

       (*ii*) Switch statement

5. (*a*) What is Array ? Explain the use of array in short. Also write a program to find the average of given numbers in array at 10 elements.

    (*b*) Write a simple program to demonstrate the use of Union.

    (*c*) What is Recursive Function ? Write a simple program to demonstrate the use of recursive function.

6. (*a*) Write a program to count the number of words in the given file.

    (*b*) What is Dynamic Memory allocation ? Write a program to demonstrate the use of calloc( ) function.

    (*c*) Write short notes on the following :

       (*i*) free( ) function

       (*ii*) Command line argument