

# 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

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- (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

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- (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.

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- (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