CBA-251-T

M. C. A. First Semester

(End Semester) Examination, Dec. 2018

COMPUTER SCIENCE AND APPLICATION

Paper CSA-CC-121

(Information Technology)

Time : Three Hours]   [Maximum Marks : 60

Note :– Attempt all sections A, B and C. Follow the instructions given in each section.

SECTION - A

(Objective Type Questions)

Note :– Choose correct and answer the following :

1×10=10

1. (a) Which of the following is not a characteristic of a computer :

   (i) Dillegence

   (ii) I.Q.

   (iii) Accuracy

   (iv) None of these

   (b) IBM 1401 is :

   (i) First generation computer

   (ii) Second Generation computer

   (iii) Third Generation computer

   (iv) None of these

   (c) Softwares that are designed to modify functionality of another piece of software are :

   (i) Plugins

   (ii) Extentorus

   (iii) Servers

   (iv) None of these

   (d) The language that the computer can understand by execute is called ....

   (i) Machine language

   (ii) Assembly language

   (iii) Higher level language

   (iv) None of these

   (e) An assembler is :

   (i) Machine dependant

   (ii) Data dependent

   (iii) Syntax dependant

   (iv) None of these

   (f) The operating system is the most common type of ....software :

   (i) Application

   (ii) Communication

   (iii) System

   (iv) None of these

   (g) Parsing is also known as :

   (i) Lexical Analysis

   (ii) Syntax analysis

   (iii) Semantic analysis

   (iv) None of these

(h) Which of the following system software resides in main memory always :

    (i)   Assembler

    (ii) Linker

    (iii) Loader

    (iv) None of these

(i) Which of the following is a type of network :

    (i)   Star

    (ii) PAN

    (iii) Bus

    (iv) None of these

(j) A user can get files from another computer on the Internet by using :

    (i)   HTTP

    (ii) TELNET

    (iii) FTP

    (iv) None of these

SECTION - B

(Short Answer Type Questions)

Note:- Attempt any **four** questions :   4×5=20

2. What are the different characteristics of computers?

3. What is software? Explain system and application of software.

4. What is operating system? Enlist the functions of operating system.

5. Explain linker and loaders.

6. List the types of E-Commerce Applications. Explain each with example.

7. What do you mean by problem solving with computers? Explain.

SECTION - C

(Long Answer Type Questions)

Note :– Attempt any **three** questions.   3×10=30

8 What is meant by computer Generations? Describe the different generations of computers in detail?

9. How can you classify the programming languages? Explain assembly language with its advantages and disadvantages.

10. Write short notes on the following :

    (a) Assembler

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(b) Distributed operating system.

11. What is compiler? Explain the different phases of compilation process with the help of suitable diagram.

12. Write short notes on the following :

   (a) Physical Communication Media

   (b) Internet

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