7/2 Roll No. …………………..

CCA–01/DIT–01

Introduction to Information Technology

Certificate in Computer Application
(CCA–11/16)

First Semester, Examination, 2017

Time : 3 Hours **Max. Marks : 40/80 for DIT**

Note : This paper is of **forty (40)** marks containing **three (03)** Sections A, B and C. Learners are required to attempt the questions contained in these Sections according to the detailed instructions given therein.

Section–A

(Long Answer Type Questions)

Note : Section 'A' contains four (04) long answer type questions of nine and half $(9\frac{1}{2})$ marks each. Learners are required to answer *two* (02) questions only.

1. Briefly describe the evolution of the computer (generation of computer).

2. What is the meaning of word Multimedia ? Explain the basic features on which we can categorize that any software is Multimedia software or not.

3. Explain the structure of any *three* network topologies in computer networks with the help of suitable diagram.

4. What are the possible threats to our computer systems ? When do we use Internet ? How can we protect our computer system from these possible threats ?

Section–B

(Short Answer Type Questions)

Note : Section 'B' contains eight (08) short answer type questions of four (04) marks each. Learners are required to answer *four* (04) questions only.

1. Describe the role and application of computer in e-commerce field.
2. What do you understand by optical storage device ? Explain with an example.
3. Give the basic introduction of RAM and ROM.
4. What is the role of browser in using Internet ? Explain.
5. Explain the role of modem in computer system/network.
6. What is the role of internet in today's world ? Explain in brief.
7. Explain the role of operating system in functioning of computer.
8. What do you understand by World Wide Web ?

Section–C

(Objective Type Questions)

Note : Section 'C' contains ten (10) objective type questions of half ($\frac{1}{2}$) mark each. All the questions of this Section are compulsory.

1. ALU stands for :
   (a) Arithmetic Logic Unit

(b) Application Logic Unit

(c) Array Logic Unit

(d) None of the above

2. Which of the following is system software ?

(a) Linux

(b) Word

(c) Excel

(d) Tally

3. The Programs which are as permanent as hardware and stored in ROM is known as :

(a) Hardware

(b) Software

(c) Firmware

(d) ROMware

4. CD-ROM is a :

(a) Semiconductor memory

(b) Memory register

(c) Magnetic memory

(d) None of the above

5. Chief component of first generation computer was :

(a) Transistors

(b) Vacuum Tubes and Valves

(c) Integrated Circuits

(d) None of the above

6. Which of the following is not an input device ?

   (a) OCR

   (b) Optical scanners

   (c) Voice recognition device

   (d) COM (Computer Output to Microfilm)

7. Which of the following is called low level languages ?

   (a) Machine language

   (b) Assembly language

   (c) Both of the above

   (d) None of the above

8. Which statement is valid ?

   (a) 1KB = 1024 bytes

   (b) 1 MB = 2048 bytes

   (c) 1 MB = 1000 kilobytes

   (d) 1 KB = 1000 bytes

9. The Second Generation Computer was based on :

   (a) Vacuum Tube

   (b) Silicon Chips

   (c) Transistor

   (d) Bio Chips

10. Web cam is an :

    (a) input unit device

    (b) output unit device

    (c) processing device

    (d) input and output device

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