

Roll No. ....

## CCA-01

### Introduction to Information Technology

Certificate in Computer Application (CCA-11/16)

First Semester, Examination, 2017

**Time : 3 Hours**

**Max. Marks : 35**

**Note :** This paper is of **thirty five (35)** marks containing **three (03)** sections A, B and C. 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 seven and half ( $7\frac{1}{2}$ ) marks each. Learners are required to answer *two* (02) questions only.

1. There are many application area of internet. Identify. four of them and describe two of them.
2. Discuss the functioning of a web server and web browser. Also give *two* examples of web server and web browser.
3. What is topology ? Explain the different kinds of network topologies with an example.
4. What are the different categories of network ? Explain each of them with an example.

**Section-B****(Short Answer Type Questions)**

**Note :** Section 'B' contains eight (08) short answer type questions of two and half ( $2\frac{1}{2}$ ) marks each.

Learners are required to answer *six* (06) questions only.

1. What are the basic differences of the function of bridges and gateways in a computer network ?
2. What is the difference between ISO-OSI reference model and TCP/IP model ?
3. Differentiate between logical and physical address.
4. What is a bus ? How many types of buses are available ?
5. Discuss the different types of operating system.
6. Differentiate between Static RAM and Dynamic RAM.
7. What are the applications of computer ? Explain *two* of them.
8. What are the characteristics of fifth generation computer ?

**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. e-Mail
  - (a) Electronic mail

- (b) Stores purchase orders and invoices, between computers
  - (c) Both (a) and (b)
  - (d) None of the above
2. The Arithmetic and Logic Unit (ALU) :
- (a) Is the component of CPU
  - (b) Performs arithmetic logical operations
  - (c) Both (a) and (b)
  - (d) None of the above
3. How is data represented inside the computer ?
- (a) Logical system
  - (b) Byte system
  - (c) Binary system
  - (d) Hexadecimal system
4. Which of the following is not an output device ?
- (a) Monitor
  - (b) Keyboard
  - (c) Printer
  - (d) Plotter
5. Which of the protocols below is used of sending e-Mail ?
- (a) FTP
  - (b) SMTP
  - (c) TCP/IP
  - (d) HTTP

6. Which of the following is not a storage device ?
  - (a) Memory Card
  - (b) Random Access Memory
  - (c) Pen Drive
  - (d) CD-ROM
7. VPN means :
  - (a) Vital Private Network
  - (b) Virtual Private Network
  - (c) Virtual Projection Network
  - (d) None of the above
8. How long is an IPv6 address ?
  - (a) 32 bits
  - (b) 128 bits
  - (c) 128 bytes
  - (d) 64 bits
9. ISDN stands for :
  - (a) Integrated Services Digital Network
  - (b) Integrated Security Data Network
  - (c) Information Search and Data Nesting
  - (d) None of the above
10. WAN stands for :
  - (a) Wrap Area Network
  - (b) Wide Area Network
  - (c) Wide Array Net
  - (d) None of the above