**(Printed Pages 01)**

**Roll No. \_\_\_\_\_\_\_\_\_\_\_\_**

**BCA-1621**

**B.C.A. (I Semester) Examination, Dec.2018**

**COMPUTER APPLICATION**

**Fundamentals of Computer**

*Time Allowed: Three Hours] [Maximum Marks: 50*

**Note:** Answer **all** questions.

**Q. 1.** Attempt any **six** of the following. **3\*6=18**

1. What is Computer? Draw a diagram of CPU.
2. Give three examples of Input devices.
3. What is Primary Memory?
4. Convert-i) (78)10- (?)2, ii) (11011)2-(?)8
5. Evaluate- i) Addition of (1100) and (1001) ii) Subtract (1010) from (1101)
6. Define Windows operating system
7. Discuss the use of CD & MD commands of DOS
8. What do you understand by Data Communication?

**Q. 2.** Differentiate between System Software & Application Software with examples. **8**

**OR**

Discuss characteristics of Computer with suitable examples.

**Q. 3.** Convert the following: **8**

**i) (85)**10 into Binary **ii)** (10111)2 into Decimal **iii)** (10111)2 into Octal **iv)** (B24)16 into Binary

**OR**

Subtract (1001) from (1111) using Two’s Complement:

**Q. 4.**  Briefly define the following terms. **8**

**a) Icon b) Desktop c) Folder d) Toolbar**

**OR**

What are the types of an Operating system? Briefly explain with examples.

**Q. 5.** What is Network? Define LAN and WAN with examples. **8**

**OR**

Write short notes on the following:

1. Internet **b)** Network Topology