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

**BCA-1621**

**BCA (I Semester) Examination, Dec-2018**

**COMPUTER SCIENCE**

**Fundamentals ofComputer**

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

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

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

1. What is Computer? Draw a block diagram of computer.
2. Briefly explain functional components of Central Processing Unit.
3. Differentiate between RAM and ROM.
4. Convert –i) (68)10 into Binary, ii) (10111)2 into Decimal.
5. Convert Binary number (10101)2 into Gray Code.
6. What do you understand by an Operating System?
7. Discuss the use of MD& DIR commands with an example in DOS.
8. What is Network? Define with example.

**Q.2** What is Hardware? Discuss all types of Input and Output devices with examples. **8**

**OR**

Define eight important applications of Computer, with suitable examples.

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

i) (45.3)10 – ( ? )2 ii) (10101)2 – ( ? )10 iii) (64)8 – ( ? )10 iv) (A24)16 – ( ? )10

**OR**

What isOne’s Complement? Subtract 10111 from 11011 using One’s Complement.

**Q.4** Discuss all types of functions of an Operating Systems. **8**

**OR**

What is DOS? Discuss the use of the following commands:

 i) CD ii) RENAME iii) COPY iv) CLS

**Q.5** Discuss eight(8) features of Internet with suitable examples. **8**

**OR**

Write short notes on the following terms:

a) Web Server b) Web Site c) Browser d) ISP