**(Printed Pages 01)**

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

**BCA-1213**

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

**COMPUTER SCIENCE**

**Computer Fundamentals**

*Time Allowed: Three Hours] [Maximum Marks: 70*

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

**Q.1** Attempt any six of the following questions. **5\*6=30**

1. What is Computer? Briefly explain CPU.
2. What are the Input and Output devices?
3. Distinguish between Primary and Secondary Memory.
4. Convert –i) (45)10 into Binary, ii) (10101)2 into Decimal.
5. Define Gray Code with an example.
6. Differentiate between DOS & Windows with examples.
7. What is Communication? Define with example.
8. What is an Internet? Define with example.

**Q.2** What is Software? Discuss all types of Software with examples. **10**

**OR**

Define ten important applications of Computer, with suitable examples.

**Q.3** Convert the following: **10**

i) (65)10 – ( ? )2 ii) (11101)2 – ( ? )10 iii) (67)8 – ( ? )2

iv) (56)8 – ( ? )10 v) (D24)16 – ( ? )2

**OR**

1. What isOne’s Complement? Explain with an example.
2. Convert Binary (10101) into Gray Code.

**Q.4** What are the types of Operating Systems. Discuss all with examples. **10**

**OR**

Discuss the use of the following commands:

i) MD ii) DIR iii) RENAME iv) COPY v) CLS

**Q.5** What isNetwork? Briefly explain all types of Network Topologies. **10**

**OR**

Write short notes on the following terms:

a) Web Server b) Browser c) ISP

d) Desktop e) Notepad