**(Printed Pages 01)**

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

**BCA-5215**

**BCA (V Semester)Examination, Dec. 2018**

**COMPUTER SCIENCE**

**DATA COMMUNICATION & COMPUTER NETWORKS**

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

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

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

1. Networking
2. What is topology?
3. Explain HTTP in detail.
4. What is quality of service?
5. Define fragmentation.
6. What is www?
7. What is Piggy Backing?
8. Explain flow and error control.

**Q. 2.** Solve following using CRC. **10**

Data D=1010001101

P=110101

**OR**

Explain TCP/IP model in Data.

**Q. 3.** Differentiate between OSI and TCP/IP models. **10**

**OR**

Explain Error Detection and Correction in Detail.

**Q. 4.** Compare IPv4 and IPv6. **10**

**OR**

Discuss Network layer and its protocol.

**Q. 5.** Define functions of Application layer. **10**

**OR**

Write short notes on the following term.

1. SCTP
2. UDP