

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND
ECONOMICS, PONDA-GOA
B.C.A (SEMESTER-IV) EXAMINATION, APRIL 2018
COMPUTER NETWORKS

Duration: 2 Hours

Marks: 50

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate marks

- Q I) A. Define the following terms: (5*1= 5)
- | | | |
|-----------------|------------|-----------------|
| 1. Subnet | 2. Framing | 3. Flow Control |
| 4. Piggybacking | 5. Routing | |
- B. Answer the following:
1. Which are the three types of Data Transfer Techniques? (3)
 2. State the various responsibilities of Session layer. (2)
- QII) Answer the following:
1. Explain in brief Bus Topology. (2)
 2. Write a note on Fibre Optic Cable also state its advantages. (4)
 3. Write a short note on the following: (4)
 - i. WAN
 - ii. Infrared Waves
- QIII) Answer the following:
1. Explain the working of Sliding Window Protocol. (5)
 2. Briefly explain the HDLC Protocol. (3)
 3. What is IEEE 802.11 wireless LAN standard? (2)
- QIV) Answer the following:
1. Illustrate with an example Shortest Path Routing Algorithm. (5)
 2. Explain in detail IPv4 header frame format. (5)
- QV) Answer the following:
1. Write a short note on Cryptography. (3)
 2. Differentiate between TCP and UDP. (2)
 3. With a neat diagram explain the working of FTP. (5)

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