| Seat No. | : | |
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XV-108

Five Years M.Sc. (CA & IT) Integrated (K.S.) T.Y. M.Sc. April-2013

Data Communications

| Time: | 3 Hou | [Max. Marks: | 100 |
|-------|---|--|-----------|
| 1. (4 | (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) | number of Subnet for Subnet masks 255.255.255.64 venerable time in Slotted Aloha. In classful IP address 170.10.10.45 network id Host id. Telnet is listen on port number Cookies is always used by Java Applet is example of In Transparent Bridge problem is | 11 |
| (I | B) Wr (1) (2) (3) (4) | Repeater-Bridge | 9 |
| 2. (A | A) Wr (1) (2) (3) (4) | What is sliding window Protocol ? Explain Go Back N Sliding Window Protocol with ARQ ? | 18 |
| (I | B) Ex ₁ | plain Piggybacking. | 2 |

| 3. | (A) | Write the answer of following questions: (any three) | 18 |
|------|-----|--|----|
| | | (1) What is Multiplexing? Explain FDMA. | |
| | | (2) What is Spreading Technique ? Explain FHSS. | |
| | | (3) Explain Circuit Switching. | |
| | | (4) What is Guided Transmission media? Discuss FIBER OPTIC cable. | |
| | (B) | Transparent Bridge. | 2 |
| 4. (| (A) | Discuss following Protocol: (any two) | 12 |
| | | (1) CDMA/CA | |
| | | (2) TELNET | |
| | | (3) FTP | |
| | (B) | A service provider has given you the Class C network range 210.50.1.0. You company must break the network into 25 separate subnets. List all subnet. | r |
| | (C) | MIME | 2 |
| 5. | (A) | Write the answer of following questions: (any three) | 18 |
| | | (1) What is Domain name? Explain RESOLUTION. | |
| | | (2) What is Dynamic Routing algorithm? Explain Link State routing algorithm. | |
| | | (3) What is DSL ? Discuss in detail. | |
| | | (4) Discuss Cable TV network in detail. | |
| | (B) | Local loop. | 2 |
| | | | |

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