| | | Roll No | | |
|----|-------|---|-----------------|------------------|
|] | Dat | EI - 601 B.E. VI Semester Examination, December 2014 a Communication and Computer Netwo | orks | u E |
| | | Time: Three Hours | | |
| | | Maximum Ma | rks: 70 | |
| No | ote : | Attempt any five questions. All questions carry marks. Assume suitable data wherever necessary. | equal | |
| | | Unit - I | | |
| | a) | Explain simplex and half duplex modes of transnand their application. | nission 7 | |
| | b) | Differentiate between FDM and WDM. OR | 7 | |
| 2. | a) | Explain the basic components of data communication their characteristic. | on and | |
| | b) | Differentiate between synchronous and asynchronous of transmission. | ronous 7 | |
| | | Unit - II | | |
| | a) | Explain RS 449 standard. | 7 | |
| | b) | Explain RS 232 C standard. OR | 7 | |
| | a) | Explain ISDN and its applications. | 7 | |
| | b) | Explain MODEMS applications and their types. | 7 http://www | w.rgpvonline.com |

| | | Unit - III | |
|-----|-----|--|-----------|
| 5. | a) | Differentiate between circuit switching and mess switching. | sage 7 |
| | b) | Explain four functions of data link layer. | 7 |
| | | OR | |
| 6. | a) | Explain TCP/IP protocol suite. | 7 |
| | b) | Explain four functions of internal layer. | 7 |
| | | Unit - IV | |
| 7. | a) | Differentiate between SDLC and HDLC. | 7 |
| | b) | Explain sliding window protocol. | 7 |
| | | OR | |
| 8. | use | sume the CRC generator polynomial of $x^5 + x^4 + x^2 +$ ed of provide error checking, compute the bit stream ll be transmitted if a message 111000111000 is sent. | tha |
| | | Unit - V | |
| 9. | a) | Explain medium access control techniques. | 7 |
| | b) | Explain CSMA/CD and CSMA/CA. | 7 |
| | | OR | |
| 10. | a) | Differentiate between Gigabit ethernet and 10 Gig ethernet. | gabi 7 |
| | b) | Explain token passing and polling. | 7 |
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