

Roll No

EI/IC-601 (GS)**B.E. VI Semester**

Examination, May 2018

Grading System (GS)**Data Communication and Computer Networks***Time : Three Hours**Maximum Marks : 70*

- Note:** i) Attempt any five questions.
 ii) All questions carry equal marks.
 iii) Assume suitable data wherever necessary.

1. a) Explain parallel and serial Transmission. 7
 b) Explain simplex, Half Duplex and Full Duplex mode of Transmission. **rgpvonline.com** 7
2. a) Differentiate between TDM and FDM. 7
 b) Explain RS-232C standard. 7
3. a) Explain ISDN and its applications. 7
 b) Explain need of MODEMS for Data communication. 7
4. a) Explain circuit switching and packet switching. 7
 b) Explain OSI reference model. 7

5. a) Explain TCP/IP protocol suite. 7
 b) Differentiate between LAN, WAN and MAN. 7
6. a) Differentiate between parity check and vertical redundancy check. 7
 b) Explain sliding window protocol. 7
7. a) Explain token Passing and Polling. 7
 b) Explain Ethernet and Fast Ethernet. 7
8. Write short notes on any two: 14
 a) Medium Access control
 b) SDLC
 c) RS-432C
