SM – 431

VI Semester B.A./B.Sc. Examination, May/June 2018
(CBCS) (F+R) (2016 – 17 & Onwards)
COMPUTER SCIENCE – VIII
Computer Networks

Time : 3 Hours Max. Marks : 70

***Instruction** : Answer **all** the Sections.*

SECTION – A

I. Answer **any ten** questions. **Each** question carries **two** marks. **(10×2=20)**

1) What is the function of the tool 'ping' and 'tracert' ? 2
2) Differentiate between guided and unguided transmission ? 2
3) What are the features of RS232 standards ? 2
4) What is a modulator and demodulator ? 2
5) What is the use of parity bit ? 2
6) What is a collision detect ? 2
7) What is a broadcast address ? 2
8) Differentiate between thinnet and thicknet. 2
9) What is learning bridge ? 2
10) Write a note on ICMP protocol. 2
11) What is a jitter ? 2
12) Differentiate between static and dynamic web pages. 2

SECTION – B

II. Answer **any 5** questions. **Each** question carries **ten** marks. **(5×10=50)**

13) a) Write a note on growth of computer Networking. 5
b) Write a note on glass fibers. 5
14) a) Write a note on satellite transmission. 5
b) Explain full-duplex RS 232 communication with a neat diagram. 5

P.T.O.

15) a) Explain Frequency division multiplexing. 5

b) Explain detecting error with checksums. 5

16) a) Write a note on carrier sense on CSMA. 5

b) Explain the format of various physical addresses. 5

17) a) Write a note on connection between a NIC and Network. 5

b) Write a note on Asymmetric digital subscriber Line Technology. 5

18) a) Explain distance vector routing algorithm. 5

b) Write a note on seven layers of OSI model. 5

19) a) Write a note on layering and TCP/IP protocol architecture . 5

b) Write a note on IPv4 datagram format. 5

20) a) Write a note on Telnet. 5

b) Write a note on domain name system. 5