



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**

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- 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

SECTION - B

- Answer any 5 questions. Each question carries ten marks. (5x10=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