

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)
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|---|---|
| 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 |

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SECTION – B

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