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**DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)**



(For Candidates admitted from 2018-2019 onwards)

UG DEGREE EXAMINATIONS APRIL – 2021

**B.SC – COMPUTER SCIENCE
NETWORKING**

Time: 3 Hrs

Max.Marks: 75

PART – A

CHOOSE THE CORRECT ANSWER.

(10*1=10)

1. A protocol is a _____.
a) Layer b) model c) set of rules for data communication d) standard
2. The transmission media has the highest transmission speed in a network is done by _____.
a) Coaxial b) fiber optic c) twisted pair d) none of the above.
3. Which of the following are the internetworking devices?
a) Bridge b) gateway c) router d) all the above.
4. The number of signal units per second is called _____.
a) Bit rate b) bits per second c) baseband d) baud rate.
5. The network layer protocol of internet is _____.
a) Ethernet b) Internet Protocol c) hypertext transfer protocol d) none.
6. Where is a hub specified in the OSI model?
a) Physical layer b) Session layer c) Data Link layer d) Application Layer.
7. The sharing of a medium and its link by two or more devices is called
a) Full Duplexing b) Multiplexing c) duplex modes d) none.
8. In the transport layer, a message is normally divided into transmittable
a) Segments b) Signals c) Networks d) Paths
9. _____ is small program created by Java programming
a) html b) android c) applet d) xml
10. is protocol used to access data on the World Wide Web
a) HTTP b) DNS c) FTP d) SMTP

PART – B

ANSWER ALL THE QUESTIONS

(5*7=35)

11. a) Explain the different modes of transmission

(OR)

b) Explain the different categories of Network.

12. a) Write about sliding window protocol.

(OR)

b) Describe the parity check that is used in error detection code.

13. a) Describe the services of the network layer

(OR)

b) What is multicasting? Explain

14. a) Briefly discuss on the socket primitives for TCP

(OR)

b) Explain Addressing in Transport Layer.

15. a) Discuss the mode of transmission in FTP.

(OR)

b) How does the E-mail system work?

PART – C

ANSWER ANY THREE QUESTIONS

(3*10=30)

16. Explain OSI Network Architecture model.

17. Define CRC. Explain CRC generator & CRC checks in detail with one example

18. Explain the features of Open Shortest Path First Protocol

19. Describe the features of UDP

20. Explain the architecture of HTTP.