



April 2021

2018/UGR

JUSTICE BASHEER AHMED SAYEED COLLEGE FOR WOMEN (*Autonomous*),
CHENNAI – 600 018

VI SEMESTER (**Regular**) – Applicable to candidates admitted in the year 2018

III B.Com. Information Systems Management

Computer Networks – QPSVIC14(3)

Time: 90 Minutes

Maximum Marks: 50

The first ten minutes should be used for reading the question paper only. The students should not begin to answer the questions in the first ten minutes

Section – A

Answer all the questions.

15 Marks

I. Fill in the blanks

(5x1=5 Marks)

1. The set of devices connected by links is called _____.
2. Communication Satellites contains many _____ amplify the incoming signal.
3. Two or more bits in the data unit have changed from 0 to 1 or vice-versa is called -----
_____ error.
4. In _____ routing, a route remains in force for the entire session.
5. Transport layer aggregates data from different applications into a single stream before passing it to _____.

II. Choose the correct answer

(5x1=5 Marks)

6. The network that spans a large geographical area often a country or continent is
Called _____
a) WAN b) MAN c) LAN d) PAN
7. The high speed and advanced transmission media is _____
a) Fiber Optic b) Coaxial Cable c) Twisted Pair d) Power Lines
8. _____ byte is used as both the starting and ending delimiter.
a) Flag b) Frame c) Check d) Error
9. The network layer is concerned with _____ of data.
a) Bits b) Frames c) Packets d) Bytes
10. The messages sent from Transport entity to Transport entity is called _____
a) Packet b) Partition c) Segment d) Session



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III. Answer the following in One or Two Sentences

(5x1=5 Marks)

11. Define LAN.
12. What is meant by Wireless Transmission media?
13. List any two functions of Data Link Layer.
14. Define Router?
15. List any two services rendered by transport layer.

Section – B

(3 x 5 = 15 Marks)

Answer any three questions.

All questions carry equal Marks. (Each answer should not exceed 150 words).

16. Write short notes on Network Hardware.
17. Write briefly about Wireless Transmission.
18. Discuss about the functions of Data Link Layer.
19. Discuss about any one of the Congestion Control Algorithm.
20. Explain the elements of Transport protocol.
21. With neat diagram explain TCP/IP reference model.
22. Discuss about Data Link Layer design issues.
23. Write about DNS.

Section – C

(2 x 10 = 20 Marks)

Answer any two questions.

All questions carry equal Marks. (Each answer should not exceed 300 words).

24. Elaborately discuss about OSI reference model with neat diagram.
25. Discuss in detail about various Guided Transmission Media methodologies.
26. Explain about error detection and error correction.
27. Elaborately describe any two routing methods used in Network Layer.
28. Discuss about Email in detail.

-----All the Best-----