

Jan 2022

BSc (Maths) III SEMESTER**Computer Network and Internet Technology (OCSC-301)**

Time: 90 Minutes

Max. Marks:25

- Instructions:**
1. It is compulsory to answer all the questions (1 marks each) of Part -A in short.
 2. Answer any three questions from Part -B in detail.
 3. Different sub-parts of a question are to be attempted adjacent to each other.

PART -A

- Q1 (a) Why is the computer network so important? (1)
(b) What is the importance of protocol in networks? (1)
(c) How ring topology differs from star topology (1)
(d) What do you mean by data rate of a channel? (1)
(e) What are the functions of a session layer? (1)
(f) Explain FTP (1)
(g) Differentiate between ordered and unordered lists (1)
(h) What are Chat servers? (1)
(i) What are Search Engines? (1)
(j) Compare unicasting with broadcasting (1)

PART -B

- Q2 What are Computer Networks? Explain different types of networks. Enlist their areas of application in our day-to-day life. (5)
- Q3 Describe the TCP/IP Reference Model with the functionality at each layer (5)
- Q4 (a) What is point-to-point structure? (2)
(b) How do search engines work technically? (3)
- Q5 (a) Explain how images are embedded in a HTML page with the help of a suitable example. (3)
(b) What is the HTTP protocol? (2)
- Q6 Write Short notes on (any two): (5)
a) Embedding tables in HTML pages
b) Web browsers
c) Wireless communication
