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Course : III-B.Tech , I-SEM, Mid -II Branch : Information Technology( A&B)

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**Subject: DCCN Duaration : 2 hr**

**Date: 03/12/2024 Max Marks:30**

**SET-3**

**Part –A**

**I. Answer all the below questions each question carry two marks 5\*2=10**

**BTL CO**

|  |
| --- |
| 1. Differences of static and dynamic web pages 2 3 |
| 1. Explain functions of transport layer. 1 4 |
| 1. Define HTTP and FTP. 1 5 |
| 1. What is Address Mapping? 4 3 |
| 1. What is SMTP. 1 5 |
|  |
| **Part –B** |
| **II. Answer any four questions from the following** 4**\*5=20** |
| |  |  | | --- | --- |   6.a)Explain about ICMP. BTL CO |
| b)Describe about ARP. 2 5 |
| 2 3 |
|  |
| 7.a). Explain about Distance Vector Routing protocol. 2 3 |
| b). What is forwarding and forwarding techniques? 2 3 |
|  |
| 8.a) Describe TCP Header format with neat diagram 2 4 |
| b). Explain about Flow characteristics? 2 4 |
|  |
|  |
| 9.a) Explain about Leaky Bucket congestion control algorithm 2 4  b)Explain about QOS in switched networks? 2 3 |
| 10.Explain about HTTP? 2 5 |
|  |
| 11 What is SNMP? Discuss about the functions of SNMP? 2 5 |
|  |

**SCHEME OF EVALUATION**

**Part –A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | Static and dynamic web pages | **2** | **2** |
| **2** | functions of transport layer | **2** | **2** |
| **3** | HTTP and FTP | **2** | **2** |
| **4** | Address Mapping | **2** | **2** |
| **5** | SMTP | **2** | **2** |

**Part –B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | ICMP,ARP | **5** | **5** |
| **7** | Distance Vector Routing protocol, forwarding techniques | **5** | **5** |
| **8** | TCP Header format, Flow characteristics | **5** | **5** |
| **9** | Leaky Bucket congestion control algorithm, QOS in switched | **5** | **5** |
| **10** | HTTP | **5** | **5** |
| **11** | SNMP | **5** | **5** |