## Computer Network | Summer- 25

| ID:  | Quiz l Section: 65  | 5_J Set: A   |
|--|---|--|
| offices Each branch offi                           | igned the network 172.20.0.0/16 and place requires the same number of IP add lowing table and answer the questions: | lans to expand its operations across 8 branch<br>fresses. Using Fixed-Length Subnet Masking<br>7.5 Marks |
| Branch Office                                      | Network Address   | Broadcast Address  |
| Branch Office 1                                    |   |  |
| Branch Office 2                                    |   |  |
| Branch Office 3                                    |   | Maria Carallando   |
| Branch Office 4                                    | THE RESERVE   |  |
| Branch Office 5                                    |   |  |
| Branch Office 6                                    | Sex cases.  |  |
| Branch Office 7                                    |   |  |
| Branch Office 8                                    |   |  |
| Answer:  3. Given an IP addre                      | east address for the network 192,168.10,<br>ss of 192,168.1.0/24, what would be the<br>and hosts will this create?  | 0/24? result of changing the subnet mask to /26, and   |
| 4. How would you ca<br>Class C network?<br>Answer: | alculate the number of subnets and hosts  | s if you are given a subnet mask of /27 for a  |
| 5. What is the broad Answer:                       | cast address for the network 10.1.2.32/27   | 7?   |
|  |   |  |

## Computer Network | Summer- 25

Quiz 1 Section: 65\_J

| 1D:   | Name:   |  | Set: B  |
|---|---|--|---|
| You are assigned the n<br>Length Subnet Ma<br>7.5 Marks | network 172.20.0.0/16 and rasking (FLSM). Fill  Network Address                                 | need to divide it into 16 equal-<br>in the following details<br>Broadcast Address  | sized subnets using Fixed<br>s for each subnet.<br>Last Usable IP |
| Subnet 1  | THE RESIDENCE OF REAL PROPERTY.   |  | 10 10 10 10 10 10 10 10 10 10 10 10 10 1                          |
| Subnet 2  |   |  |   |
| Subnet 3  |   |  |   |
| Subnet 4  |   |  |   |
| Subnet 5  |   |  |   |
| Subnet 6  |   |  |   |
| Subnet 7  |   | STATE OF THE STATE |   |
| Subnet 8  |   |  |   |
| Answer:  3. Given an IP addr                            | least address for the network<br>ress of 192.168.1.0/24, what<br>ts and hosts will this create? | would be the result of changing t  | the subnet mask to /27, an  |
| 4. Calculate the nur Answer:                            | nber of subnets and hosts if  | you are given a subnet mask of /2  | 28 for a Class C network?   |
| 5. What is the broad Answer:                            | deast address for the network   | 192.168.50.64/26   |   |
|   |   |  |   |