****

**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_\_

**End Semester Examination – Nov/Dec - 2016**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Semester :** | **2016-17 ODD** |
| **Code :** | **09IT214/12IT209/IT248** | **Duration :** | **3 hrs** |
| **Sub. Name :** | **COMPUTER NETWORKS** | **Max. marks :** | **100** |

|  |  |  |
| --- | --- | --- |
| **Q. No.** | **Questions** | **Marks** |
| **PART-A(10X1=10 MARKS)** | | |
| 1. | Expand HTTP. | (1) |
| 2. | IPV6 address is ---------- bits long. | (1) |
| 3. | What is the Internet? | (1) |
| 4. | Define Protocol. | (1) |
| 5. | ------------ is a process that determine route taken by packets from source to destination. | (1) |
| 6. | Process send and receive messages through --------------- | (1) |
| 7. | ---------protocol is used for Network Management. | (1) |
| 8. | Layer 2 Data are called as -------------- | (1) |
| 9. | Size of MAC address is ---------------- | (1) |
| 10. | -------------is a connection oriented protocol. | (1) |

|  |  |  |
| --- | --- | --- |
| **PART B(5 X 3= 15 MARKS)** | | |
| 11 | What is Client server architecture? | (3) |
| 12 | What is the use of TTL in IP Header? | (3) |
| 13 | Draw the header Structure of UDP. | (3) |
| 14 | What is meant by Packet Switching Network? | (3) |
| 15 | What are the different areas of Network Management? | (3) |

|  |  |  |  |
| --- | --- | --- | --- |
| **PART C(5 X 15= 75 MARKS)** | | | |
| 16. |  | What are the Five layers in TCP/IP Stack? What are the services provided by five layers? | (15) |
| (OR) | | | |
| 17. | a. | Explain various delays incurred in Computer Networks. | (7) |
| b. | Explain various physical media used to connect Networking devices | (8) |
| 18. | a. | What does an application layer protocol define? | (5) |
| b. | Explain the working of cookies. | (10) |
| (OR) | | | |
| 19. |  | Explain the working of Simple mail Transfer Protocol | (15) |
| 20. |  | With Neat Sketch Explain the TCP Header Structure | (15) |
| (OR) | | | |
| 21. |  | Explain the TCP Connection establishment and Close Process | (15) |
| 22. |  | Explain the architecture of a Router. | (15) |
| (OR) | | | |
| 23. |  | Explain the Working of DHCP. | (15) |
| 24. | a. | Give a neat sketch on Error-detection and correction scenario. | (8) |
| b. | What are the services offered by Link Layer? | (7) |
| (OR) | | | |
| 25. |  | Explain the Working of SNMP. | (15) |

ALL THE BEST