

IMSc IT (IMS & CS) Sem.-2 Examination

IMS-204

Fundamentals of Computer Networking

May-2025

Time : 2-30 Hours]

[Max. Marks : 70

Instructions:

- **Figures to the right indicate Full Marks.**
- **Do not write anything on the question paper.**

- Q1(a) Explain the Seven layer of OSI model and describe the function of each layer. (07)
 (b) What is Network and explain the type of network. (06)
- OR**
- (a) What is protocol and describe any three protocols? (07)
 (b) What is Function of switch and router device.? (06)
- Q2(a) What ip address and explain ip address class? (07)
 (b) Write down Data encapsulation in OSI model? (06)
- OR**
- (a) Write down different between FTP and TFTP protocol. (07)
 (b) Write down tcp/Ip model? (06)
- Q3(a). What is topology and explain each topology. (07)
 (b) Explain the Fiber optical cable. (06)
- OR**
- (a) What is Server and Client pc in network? (07)
 (b) Explain of IMAP and POP3 protocol in network. (06)
- Q4(a) Write down network cable and Type of network cable. (07)
 (b) What is Routing protocol and describe the function of routing. (06)
- OR**
- (a) Explain of routing protocol in network. (07)
 (b) What is function of NAT and Explain its function. (06)
- Q5(a) What is cloud computing and explain its model. (07)
 (b) What is Function of Presentation layer and data link layer? (06)

OR

(P.T.O)

N494-2

(a) Write down Different between STP and UTP cable. (07)

(b) What is wireless network and explain it. (06)

Q6. Short question. (05)

1. What is Ipv6 address in computer.?
 2. Type of network cable.
 3. Write down different of HTTP and HTTPS.
 4. Write down port no of Telnet, https, pop3 protocol?
 5. Which protocol used for routing.
-