

BACHELOR OF TECHNOLOGY (CBCS) (2014 COURSE)

Information Technology

B.Tech.Sem - VIII :SUMMER : 2023

SUBJECT : ADVANCED TCP/IP

Day : Wednesday

Time : 02:30 PM-05:30 PM

Date : 31-05-2023

S-13440-2023

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Assume suitable data if necessary.
-

- Q.1 Discuss the functioning at presentation layer in OSI model. (10)
- OR**
- Q.1 Describe TCP/IP with protocol encapsulation. (10)
- Q.2 Explain IPv4 private network addressing with suitable example. (10)
- OR**
- Q.2 Describe internet protocol routing with neat diagram. (10)
- Q.3 Explain various DHCP address acquisition states. (10)
- OR**
- Q.3 Describe functioning of network protocol analyzers. (10)
- Q.4 Describe static routing with its advantages and disadvantages. (10)
- OR**
- Q.4 Explain purpose of dynamic routing protocols. (10)
- Q.5 List and describe protocol of sliding windows. (10)
- OR**
- Q.5 List TCP port numbers and describe its use. (10)
- Q.6 Describe address representation of IPv6 with suitable example. (10)
- OR**
- Q.6 Describe purpose of unicast and multicast with suitable example. (10)

* * *