

**B. Tech. Sem - VIII (Inf. Tech.) (2014 COURSE) (CBCS) :  
SUMMER - 2019**

**SUBJECT- ELECTIVE- III ADVANCED TCP/ IP**

Day: Saturday  
Date: 01/06/2019

S-2019-2912

Time: 02.30 PM TO 05.30 PM  
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 Explain complete process of encapsulation and decapsulation in TCP. (10)  
**OR**
- Q.1 Discuss OSI model with TCP/IP protocol suite. (10)
- Q.2 Explain IPv4 private addressing with suitable example. (10)  
**OR**
- Q.2 Discuss about fragmentation and reassembly process in internet protocol. (10)
- Q.3 Explain address resolution in connection Host-dissimilar network. (10)  
**OR**
- Q.3 Explain DHCP states and procedure with suitable diagram. (10)
- Q.4 List and explain the protocol of dynamic routing. (10)  
**OR**
- Q.4 Explain the types of routing with suitable example. (10)
- Q.5 Explain dynamic NAT with port address translation. (10)  
**OR**
- Q.5 Explain port address translation with NAT. (10)
- Q.6 Explain IPv6 headers with neat diagram. (10)  
**OR**
- Q.6 Explain address representation of IPv6 with suitable example. (10)

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