

**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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