

B. TECH. (CBCS - 2014 COURSE) SEM - VIII (INF. TECH.) :
SUMMER - 2018
SUBJECT- ELECTIVE- III ADVANCED TCP/ IP

Day: **Tuesday**
Date: **12/06/2018**

S-2018-4692

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 List and explain standard TCP/IP services. **(10)**

OR

Q.1 Discuss the main functionalities of OSI model layers in detail. **(10)**

Q.2 Discuss how internet protocol routing works. **(10)**

OR

Q.2 List and explain IPv4 reserved address. **(10)**

Q.3 Draw the format of DHCP and explain various fields of DHCP. **(10)**

OR

Q.3 Explain address resolution in connection Host-similar network. **(10)**

Q.4 Explain structure of basic router. **(10)**

OR

Q.4 What is the dynamic routing and explain different types of dynamic routing. **(10)**

Q.5 Demonstrate configuring NAT with neat diagram. **(10)**

OR

Q.5 How to configure TCP setup in a given network. **(10)**

Q.6 Explain DNS enhancement for IPv6. **(10)**

OR

Q.6 Compare IPv4 and IPv6. Write the scope of IPv6 over IPv4. **(10)**

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