

B.Tech. SEM -V (Computer) 2014 Course (CBCS) : WINTER - 2018
SUBJECT : COMPUTER NETWORK

Day : Tuesday
Date : 27/11/2018

W-2018-2391

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) Draw neat and labeled diagram **WHEREVER** necessary.
- 4) Assume suitable data, if necessary.

Q. 1 Explain working of internet. (10)

OR

Explain in detail: ISO-OSI reference model (10)

Q. 2 What is error detection? Explain it by considering some example. (10)

OR

What is framing? Explain the structure of frame. (10)

Q. 3 What is MAC layer? Explain the role of MAC in Ethernet. (10)

OR

Write a short note on: (10)

- i) Pure ALOHA
- ii) Slotted ALOHA

Q. 4 Calculate network address of following information. (10)

IP address: 192.168.1.2
Subnet: 255.255.255.0

OR

Calculate network address of following information. (10)

IP address: 192.168.4.5
Subnet: 255.255.255.0

Q. 5 Compare connection oriented and connection less protocols (10)

OR

Explain TCP header format in detail. (10)

Q. 6 Explain DNS in detail. (10)

OR

Explain complete working of web browser. (10)

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