

Code No: **R32051**

R10

Set No. 1

III B.Tech II Semester Supplementary Examinations, November - 2017

ADVANCED COMPUTER NETWORKS

(Common to Computer Science and Engineering, Information Technology)

Time: 3 hours

Max. Marks: 75

Answer any FIVE Questions

All Questions carry equal marks

- 1 a) Explain about Network Layer design issues [5M]
b) Explain link state routing algorithm. [10M]
- 2 a) Explain about classful addressing, classless addressing [8M]
b) Explain the need for network layer internet as a data gram [7M]
- 3 a) What is fragmentation? Explain the fragmentation in IPV4 [8M]
b) Explain the process of Transition from IPV4 to IPV6 [7M]
- 4 a) Explain UDP in detail. [8M]
b) Explain about flow control and error control with respect to TCP [7M]
- 5 a) What is QOS ? Discuss in brief techniques to improve QOS [8M]
b) Compare and contrast open loop congestion control & closed loop congestion control [7M]
- 6 a) Explain about static web documents and dynamic web documents with an example [8M]
b) Explain about video compression and video on demand [7M]
- 7 a) Explain the protocol Stack Issues in Mobile Computing Environment [8M]
b) Explain the importance of the Ad Hoc networks security [7M]
- 8 a) Explain about sensor network operation and sensor Architecture [8M]
b) Explain the issues in Grid construction technology [7M]

