FACULTY OF ENGINEERING

B.E. 3/4 (CSE) II – Semester (Main) Examination, May 2014

Subject : Computer Networks

Time : 3 hours   **Max. Marks : 75**

Note: Answer all questions from Part-A. Answer any FIVE questions from Part-B.
PART – A (25 Marks)

1	Define Computer Network.	2
2	What is Routing?	2
3	What is cryptography?	2
4	Define out of band data.	2
5	What is a Socket?	2
6	Define Fragmentation.	3
7	What are name servers?	3
8	Distinguish between TCP/IP and OSI reference model.	3
9	What is a digital signature?	3
10	What are the services of Network layer?	3

PART – B (50 Marks)

11 Draw and explain TCP/IP reference model.

12 Explain about link state routing algorithm with an example.

13 Explain about OSPF and BGP in detail.

14 Explain about TCP and UDP header formats.

15 Write about secure socket layer in web security.

16 List and explain about advanced socket system calls.

17 Write short notes on :

	a) Tunnelling	4
	b) VOIP	3
	c) POP	3

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