## Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

## Eighth Semester B.E. Degree Examination, Dec.2016/Jan.2017 High Performance Computer Networks

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.

## PART - A

1	a. b.	Explain the four networking principles that underlie the growth of communication	(10 Marks) n network (10 Marks)
2	a. b. c.	Explain with a neat sketch, open data network model.	(08 Marks) (08 Marks) (04 Marks)
3	a.	Explain with a neat sketch, TCP header and the steps involved in a TCP connection	l.
	b.		(12 Marks) (08 Marks)
	D.	Explain with a near biceen, the 12 ye means and an	2)
4	a. b. c.	Explain with a neat sketch, passive photonic loop.	(05 Marks) (05 Marks) (10 Marks)
PART – B			
5	a.	ti tili a neat alagrand, emplant i i i i i i i i i i i i i i i i i i i	(10 Marks)
	b.	Discuss ATM adaption layer, with suitable diagram s.	(10 Marks)
6	a.	THE WORLD STREET	(10 Marks)
	b.	Billorenking between hem 12 mm = 1	(04 Marks)
	c.	Discuss mobility management in wireless network.	(06 Marks)
7	a.	Discuss the blocking operation in circuit switched network with the help of near	diagram.
	b.	Discuss datagram networks queuing model and key queuing result with suitable	(10 Marks) diagrams. (10 Marks)