

CLASS: PG - IDC

15A / 275

St. JOSEPH'S COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI – 620 002

SEMESTER EXAMINATIONS – APRIL 2015

TIME: 2 Hrs. 20 min.

MAXIMUM MARKS: 70

SEM	SET	PAPER CODE	TITLE OF THE PAPER
II	2014	14PIT2401	WIRELESS NETWORKS

### SECTION – B

Answer all the questions:

5 x 5= 25

31. a. Discuss the evolution of wireless communication and Shannon capacity formula.

**OR**

b. Explain - What is Multiplexing? Explain it.

32. a. Write detailed notes on CDMA.

**OR**

b. Discuss on satellite orbits and frequency bands.

33. a. What is spectral allocation and operation of AMPS?

**OR**

b. Explain about Mobile Wireless CDMA.

34. a. Illustrate on Wireless ATM with diagrams.

**OR**

b. Discuss protocol stacks of IEEE 802.11.

35. a. Write in detail about the technologies for Wireless Geo-location.

**OR**

- b. Discuss the physical links and packets in Baseband specification.

### **SECTION – C**

**Answer any THREE questions:**

**3 x 15 = 45**

36. Discuss elaborate by on Transmission Media.
37. Discuss the capacity Allocation – Frequency division.
38. Explain about second generation TDMA.
39. With diagram explain about MAC sub layer.
40. Briefly explain about Blue tooth Technologies.

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