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Register Number:

Name of the Candidate:

B.B.A. DEGREE EXAMINATION, MAY 2015

(TELECOM MANAGEMENT)

(THIRD YEAR)

(PART – III)

310: TELECOM SYSTEMS

Time: Three hours

Maximum: 100 marks

Section A (10 X 2 = 20) Answer any TEN questions

- 1) Is the analogue signal discrete? If not, what is the form of this signal?
- 2) How can Trunks be classified?
- 3) What is microwave transmission?
- 4) Is the number and placement of cell phone towers critical to good performance?
- 5) Name the technology which acted as the backbone for 2G mobiles.
- 6) Expand TDMA.
- 7) State the inverse square law in its simplest form.
- 8) What is LEO as used in LEO Satellites?
- 9) What do you mean by fiber optic attenuator?
- 10) Name any two properties of optical fiber transmission.
- 11) What is CDMA?
- 12) What is input losses?

Section B (4 X 10 = 40) Answer any FOUR questions

- 13) Explain the functioning of PBX system.
- 14) Write a brief note on the first three generations of mobile communication technology.
- 15) Name the three main access technologies used in mobile communication.
- 16) What is delay equalization?
- 17) State the reasons to opt for 4G.
- 18) What are Fresnel losses?

Section C (2 X 20 = 40) Answer any TWO questions

- 19) What are the components of a typical switched telephone network? Explain the salient features with a neat sketch.
- 20) Delineate the history of GSM phone and state the services provided by GSM.
- 21) What are spread spectrum modulation techniques?
- 22) What are the different types of dispersion in optical fibers?

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