



RAN-1217

T Y B Sc Semester - VI Examination

March / April - 2019

Electronics Paper -7

Advance Communication Systems

[Total Marks: 50

सूचना : / Instructions

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T Y B Sc Semester - VI

Name of the Subject :

Electronics Paper -7

Subject Code No.: 1 2 1 7

Seat No.:

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Student's Signature

Instruction:

- 1) Q. 1 is compulsory.
- 2) Figures at extreme right indicate full marks.
- 3) Draw figures/diagrams to support your answer.
- 4) Assume data, if required.

Q. 1 Answer in brief:

8

- A) What is noise in a communication system?
- B) State the disadvantages of coaxial cables.
- C) Define Signal to noise ratio.
- D) State Kepler's Law

Q. 2

8

- A) Explain the photodetector system in fiber optic cables with the help of a block diagram. 6
- B) Explain the various methods of pulse modulation

OR

- Q. 2** **8**
- A) Explain in brief the Wireless System and its features.
 - B) Give a brief account of cellular technology of a mobile communication. **6**
- Q. 3**
- A) Discuss the Kepler's law for a satellite orbiting around the earth. **8**
 - B) Write a note on digital carrier transmission. **6**
- OR**
- Q. 3**
- A) Differentiate between TDMA & FDMA. **8**
 - B) Write a note on call making in a cellular phone. **6**
- Q. 4** **Write short notes: (ANY TWO)** **14**
- A) Coding Methods.
 - B) Transponder
 - C) Optical receivers.
 - D) Mobile phone.
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