

**Faculty of Science****B.Sc (Electronics) III-Year, CBCS-VI Semester Backlog Examinations –January, 2021****PAPER: DIGITAL COMMUNICATION**

Time: 2 Hours

Max Marks: 60

I. Answer any Three of the following questions

(3x20=60 Marks)

1. Describe complex Fourier spectrum.
2. Define noise. Explain the various types of external and internal noise.
3. Explain the working of digital communication system with neat labeled block diagram.
4. Compare ASK, FSK and PSK.
5. What is parity check? Discuss the error detection using parity bit.
6. With neat labeled diagram explain the basic cellular system.

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