

Exam.Code:0921  
Sub. Code: 6833

1078

**B.E. (Information Technology) Third Semester  
ITE-322/IT-372: Analog and Digital Communication**

Time allowed: 3 Hours

Max. Marks: 50

*NOTE: Attempt five questions in all, selecting atleast two questions from each Unit.*

x-x-x

**UNIT - I**

- I. Describe the principle of DSB/SC signal. How will you detect the same? (10)
- II. Give the principle of Pulse modulation. How is it generated? (10)
- III. Draw the waveforms for: PAM, PWM, PPM. (10)
- IV. Write short notes on:-
  - a) Amplitude Modulation
  - b) Sampling Theorem (5,5)

**UNIT - II**

- V. Describe a PSK and FSK signal. (10)
- VI. What do you understand by Multiplexing and Multiple Access Schemes? Name some for each category. (10)
- VII. Define Spread Spectrum techniques. (10)
- VIII. Define SNR. What is QAM signal? (5,5)

x-x-x