



J-M20185 Seat No. _____
B. A. S. L. P. (Sem. I) Examination
July - 2019
B-1.5 : Electronics & Acoustics

Time : 3 Hours]

[Total Marks : 75

Long Answer Type Questions
(Attempt any four questions : 4×15=60 Marks)

- 1 What are transistors and classify them. Explain about the principle of operation and working of field effect transistor.
- 2 Explain in detail about microphone and classify them.
- 3 How does sound generation & propagation occur? Give a brief note on the characteristics of sound.
- 4 Describe about the time domain & frequency domain methods of speech processing.
- 5 Answer the following –
 - a) Counters & flip flops.
 - b) LED & LCD.

Short Answer Type Questions
(Attempt any three questions : 3×5=15 marks)

- 1 Sabine's formula.
- 2 Digital signal processing.
- 3 Logic gates.
- 4 Material for audiometric room construction.