

BACHELOR OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY (2017 COURSE)

**B. A. S. L. P. Sem-I :SUMMER- 2022
SUBJECT : ELECTRONICS & ACOUSTICS**

Day : Saturday

Time : 10:00 AM-01:00 PM

Date : 17-09-2022

S-17895-2022

Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw diagrams **WHEREVER** necessary.

SECTION –A

Q.1 Attempt **ANY FIVE** out of six **(5x3=15)**

- a) Define: Amplitude, frequency and wavelength.
- b) State the law of Reflection.
- c) Explain ECHO.
- d) What is LED?
- e) Write a short notes on Reverberation.
- f) What is crystal diode?

Q.2 Attempt **ANY FOUR** out of five **(4x5=20)**

- a) State and explain Sampling Theorem.
- b) What is oto-acoustics emissions?
- c) Explain ROM.
- d) Write down difference between BJT and FET.
- e) Explain ADC.

SECTION –B

Q.3 Attempt **ANY FOUR** out of five **(4x10=40)**

- a) Write a short notes on :
 - i) Absorption co-efficient
 - ii) Sabine's formula
- b) Explain Electro-dynamic microphone in details.
- c) What is Artificial Larynx?
- d) Explain Audiometer.
- e) Explain SMPS with its block diagram.
- f) Write down difference between FIR and IIR.

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