

BACHELOR OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY (2017 COURSE)
B. A. S. L. P. Sem-I : WINTER :- 2021
SUBJECT: ELECTRONICS & ACOUSTICS

Day : Wednesday
Date 06-Apr-2022

W-17895-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 75

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) The number to the right indicates **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Draw diagrams **WHEREVER** necessary.
- 5) Answers written in the inappropriate answer sheets will not be assessed in any case.

SECTION-A

Q.1 Attempt **ANY FIVE** out of **SIX**: **(15)**

- a) Give two Application of LED.
- b) Explain ECHO.
- c) Define: bit, byte.
- d) What is Loudspeaker?
- e) Draw the symbol of npn and pnp Transistors.
- f) Explain AND gate.

Q.2 Attempt **ANY FOUR** out of **FIVE**: **(20)**

- a) Explain Transistor as an Amplifier.
- b) What is counter? Explain its type.
- c) Explain SR Flipflops with truth table.
- d) State and explain sampling Theorem.
- e) What is Law of Reflection?

SECTION-B

Q.3 Attempt **ANY FOUR** out of **SIX**: **(40)**

- a) Explain micro-phones with its types.
- b) Explain DSP system with neat block diagraph.
- c) Explain Artificial Larynx.
- d) What do you understand by Linear Regulated Power Supply?
- e) Explain Hearing Aids in details.
- f) Convert decimal nos:
 - i) 23
 - ii) 37 into its equivalent binary nos.

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