

B.A.S.L.P. Sem – I (2017 Course) : SUMMER - 2019

SUBJECT: ELECTRONICS & ACOUSTICS

Day : Wednesday
Date : 24/04/2019

S-2019-3953

Time 10.00 AM TO 01.00 PM
Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw diagrams **WHEREVER** necessary.
 - 4) Answers to both the sections should be written in **SEPARATE** answer books.
 - 5) Answers written in the in appropriate answer sheets will not be assessed in any case.
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SECTION – A
(SAQ)

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

- a) What is line and load regulation?
- b) Define amplitude, frequency and phase of wave.
- c) Explain reverberation.
- d) What is transistor? Why is it so called?
- e) Define bit and byte.
- f) Explain logic gate.

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

- a) Explain counter.
- b) What is amplifier and explain its working.
- c) Explain ADC.
- d) Explain D-flip tops
- e) Convert following decimal numbers to octal equivalent a) 76 b) 255.
- f) Explain ECHO.

SECTION – B
(LAQ)

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

- a) Convert binary numbers a) 110001 b) 1100011 to its decimal number.
- b) Explain principle of operation and working of thyristors.
- c) Explain artificial larynx.
- d) Write short note on Automatic speech recognition.
- e) Explain microphone and its type.
- f) Explain evoked potential system.

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