

Day: Friday
Date: 29/09/2017

W-2017-3458

Time: 10.00 AM TO 01.00 PM
Max. Marks: 80

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **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.
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SECTION-A
(LAQ)

- Q.1** Attempt any **FOUR** of the following: **(60)**
- a) Define and differentiate adaptation over fatigue. Write in detail about factors affecting adaptation along with its clinical application.
 - b) What are the consonance and dissonance? Explain the theory of speech perception related to complex tones.
 - c) Write an essay on theory of signal detection with its application in the field of audiology.
 - d) What is temporal resolution? Discuss the different ways to measure it with various types of stimuli.
 - e) What are the differential thresholds? Discuss about DLI and DLF in detail.
 - f) Write in detail about various types of masking with the help of critical band concept.

SECTION-B
(SAQ)

- Q.2** Write short notes on any **FOUR** of the following: **(20)**
- a) Psychophysical tuning curves (PTC)
 - b) Space perception and Cone of confusion
 - c) Two tone suppression
 - d) Temporal modulation transfer function (TMTF)
 - e) MAP and MAF
 - f) Scales of Loudness and its importance

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