

FIRST YEAR M.A.S.L.P. : SUMMER - 2019

SUBJECT: PSYCHOPHYSICS

Day: Friday
Date: 21/06/2019

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

S-2019-3990

N.B:

- 1) All questions are **COMPUSLORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answers to the two sections should be written in **SEPARATE** answer books.
 - 4) Draw diagrams **WHEREVER** necessary.
-

SECTION-A
(L. A. Q.)

- Q.1** Attempt **ANY FOUR** of the following: **(15 x 4 = 60)**
- a) Discuss the effect of binaural vs monaural localization of sound on space perception of sound.
 - b) What is adaptation? Describe levels of adaptation and it's physiology? Methods to study same.
 - c) Discuss the concept and role of critical band and equivalent rectangular bandwidth in masking with appropriate examples
 - d) Describe Theory of signal detection in details along with its implications in audiology.
 - e) Describe loudness perception in individuals with hearing impairment.
 - f) Describe theories and models of pitch perception and methods to study absolute and relative DLFs.

SECTION-B
(S.A.Q.)

- Q.2** Write a note on **ANY FOUR** of the following: **(4 x 5 = 20)**
- a) Timbre factors affecting perception
 - b) Pathophysiology of fatigue
 - c) MLD
 - d) TMTF
 - e) Adaptive methods of measurement in psychophysics.
 - f) MAA and Role of Pinna

* * * * *