

FIRST YEAR M.A.S.L.P. : WINTER - 2018

SUBJECT : AUDITORY PHYSIOLOGY

Day : Tuesday
Date : 23/10/2018

W-2018-3709

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) Draw diagram **WHEREVER** necessary.
 - 4) Answer each section in the respective answer sheet only.
 - 5) Answers written in the inappropriate answer sheets will not be assessed in any case.
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SECTION – A [LAQ] : 35 Marks

Q.1 Attempt **ANY FOUR** of the following: **[60]**

- a) Critically analyze the statement “Middle ear system is a poor impedance mismatch transformer”.
- b) Write an essay on evolution of human auditory system.
- c) Explain theories of hearing with their clinical implications.
- d) Explain Cochlear macromechanics and micromechanics.
- e) Explain electrophysiology of auditory nerve and brief on characteristics of auditory nerve.
- f) Explain the efferent auditory system physiology with clinical implications for the same.

SECTION – B [SAQ] : 35 Marks

Q.2 Attempt **ANY FOUR** of the following: **[20]**

- a) What are the different types of nerve cells at the level of auditory brainstem?
- b) Explain “neuro-maturation” and “neuro-plasticity”.
- c) Explain the anatomy of cochlear nucleus.
- d) What is PSTH?
- e) Explain “Cochlea is a nonlinear system”.
- f) What is VOR?

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