

**FIRST YEAR M.A.S.L.P. : SUMMER - 2018**  
**SUBJECT : AUDITORY PHYSIOLOGY**

Day : **Wednesday**  
Date : **27/06/2018**

**S-2018-3549**

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.

**SECTION – A [LAQ] : 35 Marks**

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

- a) “Cochlea is a master piece of bio-medical engineering”. Discuss.
- b) Explain the middle ear transformer action.
- c) Discuss auditory and non-auditory physiology of external ear with its applications to clinical audiology.
- d) Explain the various characteristics of Auditory nerve.
- e) Explain tonotopic organization of auditory system.
- f) Give a detailed account of integration of senses in balance. Elaborate on VOR and VSR.

**SECTION – B [SAQ] : 35 Marks**

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

- a) Earwax.
- b) Neurotransmitters Vs. Neuromodulators.
- c) Medial Geniculate Body.
- d) Anatomy of auditory cortex.
- e) Localization function in brainstem.
- f) Repair and regeneration in the Cochlea.

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