

QP Code:104377

Reg.No.:

First Year MASLP Degree Supplementary Examinations - May 2014

AUDITORY PHYSIOLOGY

Time: 3 Hours

Max Marks: 80

- Answer all questions

Essay

(5x16=80)

- 1 What role does external ear play in the localization of sound in human beings and other animals. Add a note on the resonance and diffraction properties of the external ear. Mention the importance of eustachian tube in hearing. (6+6+4)
- 2 Discuss the importance of acoustic reflex with a neat diagram of the reflex arc. Explain impedance matching transformer action of middle ear. (10+6)
- 3 Draw a neat labeled figure of the end-organ of hearing and describe its innervations. Add a note on cochlear fluids (12+4)
- 4 Trace the classical auditory pathway and mention how different structures in this pathway contribute to hearing. Mention the role played by inferior colliculi in sound localization. (12+4)
- 5 Discuss different types of synapses. Discuss the neurophysiology of auditory nerve. (8+8)
