

M. Sc. (Audiology) (2018 Course) Sem – I : SUMMER - 2019
SUBJECT: NEUROPHYSIOLOGY OF HEARING

Day: Tuesday
Date: 28/05/2019

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

S-2019-3979

N.B.

- 1) All questions are compulsory
 - 2) The number to the right indicates full marks.
 - 3) Draw diagrams wherever necessary.
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Q.1 Attempt any **FOUR** out of six **(60)**

- a) Describe the anatomy of auditory nerve, cochlear nucleus and superior Olivary complex.
- b) Discuss efferent auditory pathway in detail.
- c) Explain the coding of simple and complex signals in the eighth cranial nerve.
- d) Explain the tonotopic organization at the auditory brainstem.
- e) Explain the role of auditory cortex in sound localization
- f) Describe the types of neurons in auditory brainstem.

Q.2 Attempt any **FOUR** out of six **(20)**

- a) Write a note on action potentials
- b) Write a short note on plasticity of auditory cortex.
- c) Write short note on non-linearity of eighth cranial nerve
- d) Explain role of efferent auditory pathway in hearing
- e) Explain the anatomy of medial geniculate body
- f) Explain anatomy of auditory cortex in brief.

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