

M. Sc. (Audiology) Sem – I : WINTER - 2018
SUBJECT : COCHLEAR PHYSIOLOGY

Day : Friday
Date : 07/12/2018

W-2018-3700

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 diagrams **WHEREVER** necessary.
-

Q.1 Attempt **ANY FOUR** out of **six**. **(4 x 15 = 60 marks)**

- a) Write an essay on ‘Inner hair Cell Physiology.’
- b) Write an essay on endocochlear potentials and their importance in cochlear physiology.
- c) Discuss ontogenetic and phylogenetic development of cochlea.
- d) Describe the micro and macro anatomy of cochlea.
- e) Discuss the classification of OAEs.
- f) Discuss the factors affecting electrocochleography.

Q.2 Attempt **ANY FOUR** out of **six**. **(4 x 5 = 20 marks)**

- a) Perilymph
- b) Frequency tuning of basilar membrane
- c) Innervations of cochlea
- d) Cochlear regeneration
- e) Clinical applications of OAEs
- f) Actin and myosin

* * * * *