MASTER OF SCIENCE (AUDIOLOGY)
M.Sc. (AUDIOLOGY) Sem-I :SUMMER- 2022
SUBJECT : COCHLEAR PHYSIOLOGY

Day : Friday | Time : 10:00 AM-01:00 PM

Date : 16-09-2022 | **S-19535-2022** | Max. Marks : 80

N.B.:

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Draw neat and labeled diagrams **WHEREVER** necessary.

Q.1 Attempt **ANY FOUR** out of **SIX**: **[4 × 15 = 60]**

a) Discuss theories of frequency coding in cochlea.

b) Describe the structure and physiology of inner hair cells.

c) Discuss the role of outer hair cells in hearing.

d) Describe endocohlear potentials and methods that can be used for recording cochlear microphonics.

e) Discuss the classification of otoacoustic emissions.

f) Describe the ontogenic development of cochlea.

Q.2 Attempt **ANY FOUR** out of **SIX**: **[4 × 5 = 20]**

a) Afferent innervation to cochlea

b) Blood supply to cochlea

c) Fine structure DPOAE

d) Nutrients for cochlea

e) Stria Vascularis

f) Age related hearing loss

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