

M. Sc. (Audiology) (2018 Course) Sem – II : SUMMER - 2019

SUBJECT: ELECTROPHYSIOLOGICAL ASSESSMENT

Day : Monday
Date : 27/05/2019

S-2019-3983

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

Q.1 Attempt **ANY FOUR** out of **SIX** **(4x15=60)**

- a) Discuss the clinical applications of endogenous potentials and stimuli used to elicit them.
- b) Discuss the factors that affect latency and amplitude of ABR.
- c) Discuss the stimuli used for recording ASSR and the methods used for their analysis.
- d) Discuss the applications of middle latency responses and the factors affecting recording of middle latency responses.
- e) Describe the generators of different auditory evoked potentials.
- f) Discuss the different measures in auditory brainstem response that can be used for differential diagnosis of cochlear and retrocochlear pathology.

Q.2 Write short notes on **ANY FOUR** out of **SIX** the following **(4x5=20)**

- a) Intraoperative monitoring using auditory evoked potentials
- b) Electrodes for recording auditory evoked potentials
- c) Reducing artifacts while recording auditory evoked potentials
- d) Acoustic change complex
- e) Independent component analysis
- f) ABR in infants

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