



Avinashilingam Institute for Home

Science and Higher Education for Women

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)

Re-accredited with 'A++' Grade by NAAC. Recognized by UGC Under Section 12B

Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test II – April 2025

IV SEMESTER

**Class : II UG
Major: BASLP**

**Time: 2 hours
Maximum Marks: 60**

22BASC21 Diagnostic Audiology-Physiological Tests

Course Outcome:

At the end of the course, students will:

1. Understand the concepts of immittance, its components and the test under that, its procedures and its clinical significance.
2. Acquire knowledge about the auditory brainstem response, its principles, procedure and interpretation and factors affecting the tests.
3. To know about other auditory evoked potentials, its procedure and interpretation
4. Understand the origin of otoacoustic emissions, classification, procedure, interpretation and clinical applications.
5. To do the physiological test for assessment of vestibular system

Part-A

6x1=6

Choose the correct answer

1. The repetition rate for LLR is
a. 11.1/sec b. 1.1/sec c. 5.1/sec d. 70.1/sec CO3K1
2. The introduction of insert earphones has served to reduce the interference of stimulus artifact with the response by an inherent delay line of
a. 0.9sec b. 1 sec c. 1.1 secs d. 0.7 sec CO5K3
3. Otoacoustic emissions reflect the following mechanism of cochlea
a. Afferent activation b. Passive mechanism
c. linear mechanism d. Active mechanism CO4K2
4. ECoChG test for ANSD shows presence of CM by
a. R+C wave b. R-C wave
c. Changing filter setting to 30-1500Hz d. Ecochg is not a test for ANSD CO3K3
5. Filter setting to acquire ABR and MLR in same time window
a. 10- 3000Hz b. 10-1000Hz c. 30-100Hz d. 1-10 Hz CO3K2
6. P300 and MMN both are event-related potentials (ERPs) used to assess cognitive functions but they differ in
a. latency b. stimulus c. filter setting d. generator site CO3K1

Part- B

3x6=18

Answer ALL Questions

Each answer should not exceed 400 words or two pages

7. a. Write a short note of clinical applications of Auditory brainstem responses. CO3K2
(or)
7. b. Explain classification of auditory evoked potential CO5K2
8. a. Write a short note on Speech ABR CO3K2
(or)
8. b. Explain the four core principles underpin measurement of auditory evoked responses CO4K1
9. a. Draw a N400 and P600 waveform recorded for oddball stimulus paradigm and mark its response parameters and briefly explain its significance in auditory processing CO3K5
(or)
9. b. Explain contralateral suppression of OAE CO4K3

Part-C

3x12=36

Answer ALL questions

Each answer should not exceed 800 words or four pages

10. a. Explain the different techniques used to enhance signal and reduce noise in AEP recording. CO3K2
(or)
10. b. Write the protocol to record ALLR and justify the need to record in Clinical population. CO3K3
11. a. Write about SOAE, DPOAE and TEOAE's CO4K1
(or)
11. b. A patient with Meiners Disease has been referred. Select the right AEP recording, mention the recording protocol and interpretation of the wave recorded which confirm positive findings. CO5K5
12. a. Justify why ASSR for hearing threshold estimation is a better tool than ABR CO3K5
(or)
12. b. Describe the role of OAEs in the early identification of auditory damage CO4K3

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Staff in-charge: Mrs Preeta Singh