

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

BASLP DEGREE EXAMINATION- August 2018

Second Year

**TECHNOLOGY AND AMPLIFICATION DEVICES FOR
PERSONS WITH HEARING IMPAIRMENT**

Time: Three hours

Maximum: 80 marks

SECTION – A

(30)

I. Answer **ALL** questions: **(3 x3 =9)**

1. Write briefly about
 - a. Integrated circuits
 - b. Loudspeaker
 - c. Non- electric hearing aid
2. List any two **(3x2 = 6)**
 - a. Types of SLM
 - b. Non- liner prescriptive formula
 - c. Signal enhancing technology
3. Differentiate **(3x3 = 9)**
 - a. REAR Vs REOR
 - b. BTE Vs body level aid
 - c. Functional gain Vs insertion gain
4. Define **(3x2 = 6)**
 - a. Receiver
 - b. Peak clipping
 - c. Head shadow effect

SECTION – B

II. Write short notes on any **SIX**: **(6 x 5 = 30)**

5. Working of DSP
6. Amplifier
7. Couplers
8. ADIP scheme
9. Comparative procedure
10. Hearing aid selection for conductive loss
11. CROS devices
12. Transposition aids

SECTION – C

III. Answer any **TWO**: **(2 x 10 = 20)**

13. Describe the instrumentation and measurement of EAC
14. Explain how the audiological factors is used for selection of hearing aid
15. Directional microphone- need, types and its advantages
