

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

**BASLP DEGREE EXAMINATION- August 2018**  
**Third Year**

**NOISE MEASUREMENT AND HEARING CONSERVATION**

Time: Three hours

Maximum: 80 marks

**SECTION – A**

- I. Answer **ALL** questions: (30)
1. Expand: (3 x 2 = 6)
- a) PTS
  - b) NIHL
  - c) EPD
2. Name two : (3 x 2 = 6)
- a) Audiological findings in NIHL
  - b) Types of noise.
  - c) Instruments to measure noise.
3. Differentiate: (3 x 3 = 9)
- a) Hearing devices versus Hearing protectors.
  - b) AMA method versus AAOO formula.
  - c) Helmet versus Earmuffs.
4. Describe in three sentences: (3 x 3 = 9)
- a) Vibration measurement.
  - b) Need for hearing conservation program.
  - c) Effects of noise exposure on sleep.

**SECTION – B**

- II Write short notes on any **SIX**: (6 x 5 = 30)
- 5. Tests to evaluate NIHL.
  - 6. OSHA Act.
  - 7. Properties of EPDs.
  - 8. SLM.
  - 9. Noise Reduction Rating (NRR).
  - 10. Merits and demerits of earplug and earmuff.
  - 11. Role of audiologist in NIHL.
  - 12. Outdoor measurement of noise.

**SECTION – C**

- III Answer any **TWO**: (2 x 10 = 20)
- 13. Describe the non-auditory effects of noise.
  - 14. Describe the ways to control noise at different levels in industries.

15. Describe the factors in claim evaluation.

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