

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
THIRD YEAR
PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

Q.P. Code: 802325

Time: Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Importance of hearing conservation program and explain the procedure.
2. Instrumental calibration of air conduction and bone conduction transducers.
3. Define noise. Explain different sources of noise.

II. Write notes on:

(8 x 5 = 40)

1. Effects of noise on work efficiency and performance.
2. Noise Criteria Curves (NCC).
3. Damage risk criteria.
4. Properties of Ear Protective Devices (EPD's).
5. Auditory Toughening.
6. Ear plugs Vs Ear muffs.
7. Occupational Safety and Health Act (OSHA).
8. Recovery patterns in temporary threshold shift.

III. Short answers on:

(10 x 3 = 30)

1. Audioanalgesia.
2. AAOO method.
3. Effective Perceived noise level (EPNL).
4. Environmental Protection Agency.
5. Air force regulation.
6. Intermittent noise.
7. Role of OAE in the diagnosis of NIHL.
8. Write a note on stability of Ear Protective Devices (EPD's).
9. Vascular changes due to noise exposure.
10. Effects of noise on sleep.
