

**BACHELOR IN 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. Non-auditory effects of noise.
2. Factors affecting the efficacy of Ear Protection Devices.
3. Role of legislation in preventing the hazardous effects of noise.

II. Write notes on:

(8 x 5 = 40)

1. Damage Risk Contours.
2. Instrumental calibration of transducers.
3. Attenuation.
4. Audiometric findings in NIHL.
5. Types of noise.
6. Speech Interference Level.
7. Effect of noise on communication.
8. Permanent threshold shift and Temporary Threshold Shift.

III. Short answers on:

(10 x 3 = 30)

1. Committee on Hearing Bioacoustics and Biomechanics.
2. Fletcher point eight formula.
3. Occupational Safety and Health Act.
4. Noise Reduction Rating (NRR).
5. Sound level meter.
6. Walsh Healey Act.
7. Calibration.
8. Articulation Index.
9. Steps in Hearing Conservation Program.
10. Sources of noise.
