

**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. Histopathological changes related to excessive noise exposure.
2. Instrumentation and procedure for measurement of noise levels.
3. Types of Ear Protection Devices, their merits and demerits.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Articulation Index.
2. Tests for susceptibility.
3. Audiometric findings in NIHL.
4. Temporary Threshold Shift and recovery patterns.
5. Attenuation.
6. Speech Interference Level.
7. Effect of noise on communication.
8. Indian noise standards.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Special hearing protectors.
2. Noise criteria curves.
3. Effective Perceived Noise Level.
4. High frequency audiometry.
5. Noise Dosimeter.
6. Damage risk contours.
7. Types of noise.
8. Sources of noise.
9. Sound Level Meter.
10. Biological Calibration.

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