[LP 0819] AUGUST 2019 **Sub. Code: 2325**

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. Tests for susceptibility for NIHL.
2. Hearing conservation program.
3. Role of legislation in preventing the hazardous effects of noise.

II. Write notes on: **(8 x 5 = 40)**

1. Temporary threshold shift recovery patterns.
2. Mechanical changes with noise exposure.
3. Sound level meter.
4. Indian noise standards.
5. Oto-acoustic emissions in NIHL.
6. Instrumental calibration for AC and BC transducers.
7. Measurement of industrial noise.
8. Damage risk criteria.

III. Short answers on: **(10 x 3 = 30)**

1. Vascular changes with noise exposure.
2. Metabolic changes with noise exposure.
3. Noise reduction rating.
4. Noise criteria curves.
5. Bounce effect.
6. Fletcher point eight formula.
7. Asymptotic threshold shift.
8. Walsh Healey Act.
9. Damage risk contours.
10. High frequency audiometry in NIHL.

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