

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[LR 1220]

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 2325**

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR – (Regulation from 2010-2011)  
PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION  
Q.P. Code: 802325**

**Time: Three Hours**

**Answer ALL questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Need for Hearing Conservation program.
2. Evaluation of Attenuation characteristics of various ear Protective Devices.
3. Instrumentation for Indoor Noise measurements.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Different types of Noise.
2. Damage Risk criteria.
3. Indian Noise standards.
4. Calibration of Head phones.
5. Factors in Claim Evaluation.
6. Environmental Protection agency.
7. Effects of Noise on Work Efficiency and Performance.
8. Tests of Susceptibility

**III. Short answers on:**

**(10 x 3 = 30)**

1. Temporary Threshold Shift.
2. Dosimeter.
3. Ear Muffs.
4. AMA Method.
5. Mechanical changes occurring due to Noise Exposure.
6. Weighting Networks.
7. Manual Audiometer.
8. Effective Perceived Noise level.
9. Intermittent Noise.
10. Audio Analgesia.

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