

TILAK MAHARASHTRA VIDYAPEETH, PUNE**B.A. in Music Production****BSc. Professional Audio Technology****EXAMINATION: JANUARY - 2023****FIRST SEMESTER****Sub: Sound Theory (BAMP/BSCA 22-1003)**

Date : 13/1/2023**Total Marks : 40****Time: 10.00 am to 12.00 noon**

Instruction:*All questions are compulsory.***Q.1 Descriptive Answer (Any Two)****(20)**

1. What is critical bandwidth? Explain in brief.
2. What are the tips to reduce hearing loss due to long term exposure of sounds over 115 dB?
3. What is the difference between constructive and destructive interference?

Q.2 Write short notes. (Any Two)**(10)**

1. Inverse Square Law
2. Threshold of hearing
3. Loudness Vs SPL

Q.3 Open Ended Question**(10)**

What are the different ways of expressing signal levels in decibel? Explain them in brief.
