TILAK MAHARASHTRA VIDYAPEETH, PUNE
B.A. IN JOURNALISM & MASS COMMUNICATION
B.A. IN MUSIC PRODUCTION
EXAMINATION: JANUARY - 2024
FIRST SEMESTER
Sub: Physics of Sound (BAMP 23-101)

Date: 16/01/2024   **Total Marks : 40**   **Time: 10.00 am to 12.00 pm**

Instruction:
  All questions are compulsory.

Q. 1. Descriptive Answer (Any Two)   **(20)**

  1) What is acoustic envelope? Explain each section in it.

  2) What is Resonance? Explain the phenomenon of Resonance with suitable examples.

  3) What is inverse square law? Explain in brief.

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

  1) Doppler Effect

  2) Tips to reduce hearing loss

  3) Sound Loudness & Phon, subjective loudness or sone and relation between phon & sone

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

  What is Decibel? Write the formula for dB_{SPL}, dB_{SWL}, dB_V and explain each term in it.