

TILAK MAHARASHTRA VIDYAPEETH, PUNE**B.A. in Sound and Music Technology****EXAMINATION: JANUARY - 2022****FIRST SEMESTER****Sub: Physics & Electronics (BASA-19-1004)****Date : 27/01/2022****Total Marks : 40****Time: 2.00pm to 4.00pm*****Instruction:****All questions are compulsory.***Q. 1. Descriptive Answer (Any One) (15)****A.** What is white noise and pink noise?**OR****B.** Explain phase, phase shift and phase cancellation?**Q. 2. Write short notes. (Any Three) (15)**

1. Write about input impedance?
2. Explain the stepwise procedure to calculate resistance.
3. What is harmonics in sound?
4. Explain the characteristics of sound
5. Calculate Resistance for the following:
 - a. Brown Black Orange Gold
 - b. Black Green Red Gold

Q.3. Open Ended Question (10)

1. Explain the working of Human Ear.