



**WEST BENGAL STATE UNIVERSITY**  
B.A. Honours 5th Semester Examination, 2020, held in 2021

**MUCADSE03T-MUSIC (DSE1/2)**

**SCIENCE IN MUSIC**

Time Allotted: 2 Hours

Full Marks: 50

*The figures in the margin indicate marks of question.  
Candidates should answer in their own words and adhere to the word limit as practicable.*

1. Give brief answers of the following (any *two*): 10×2 = 20
  - (a) Define Longitudinal and Transverse Waves with proper diagram. 5+5
  - (b) State the causes of difference between Ladies and Gents Voice. 10
  - (c) What are the basic differences between Laya and Chhanda. Write down the Talalipi of Tintal in Adi Layakari. 4+6
  - (d) Show the differences between Musical sound and Noise. 10
  - (e) What is a Microphone? Discuss the functions of any one type of Microphone. 3+7
  
2. Answer any *two* questions from the following: 15×2 = 30
  - (a) Discuss in brief on Auditory Perception. 15
  - (b) Discuss the structure and functions of Human Sound Productive Organ with suitable diagram. 15
  - (c) What are the main functions of a Microphone? How can we use Microphone properly to produce best quality sound? 5+10
  - (d) State the characteristic features of a Musical Sound. 15
  - (e) State the characteristic features of Sound Waves. State what type of Sound Wave is associated with Music and why? 10+5

**N.B. :** *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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