

Department of Hindustani Classical Music
Sangit Bhavana

MPA Examination, 2024

Semester-I

Subject: Hindustani Classical Music (VOCAL, SITAR, ESRAJ, TABLA)
Course- C-IV



Time: 3 Hours

Full Marks-40

Questions are of equal value or as indicated in the margin

Answer any four questions:-

1. Write short notes on: - (Any two) 10
 - a) Frequency
 - b) Timbre
 - c) Resonance
 - d) Musical scale
 - e) Musical interval
 - f) Overtone
2. Write the characteristics of Musical sound. 10
3. Describe the production and propagation of sound. 10
4. What is sound wave? Discuss the different types of sound waves. 10
5. Describe the structure and function of Human Ear. 10
6. Describe the construction of Vocal organ and mechanism of voice Production. 10
7. Discuss the structure and the mechanism of sound production of Sitar instrument. 10

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MPA/M.Mus. Examination, 2022
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- Q.No.1. Define sound. Differentiate between musical sound and noise. 1+2=3
- Q.No.2. "Sound is due to vibratory motion of a material medium". Discuss with an experiment. 4
- Q.No.3. Define wave? Write down about the characteristics of wave. 5
- Q.No.4. Compare between Free and Forced Vibration. 2+2= 4
- Q.No.5 Compare between Longitudinal wave and Transverse wave. 2+2=4
- Q.No.6. Write down in detail about the construction of an ideal auditorium. 5
- Q.No.7. Define Crest and Trough with a suitable diagram. 2
- Q.No.8. Answer the following: 1X5=5
- (a) Antinodes arevibration points.
 - (b) Audible sound frequency lower limit isHz.
 - (c) Sound cannot travel in
 - (d) Air is an example ofmedium.
 - (e) Hertz is the unit of
- Q.No.9. Define the following: (any four) 2X4=8
- (a) Resonance
 - (b) Harmonics
 - (c) Overtones
 - (d) Echoes
 - (e) Intensity & Loudness
 - (f) Pitch

Department of Hindustani Classical Music
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MPA Examination, 2023
Semester-I
Subject: Science of Music (Acoustics)
Course-C-IV

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.

All questions are compulsory

1. Fill in the blanks:

1X6= 6

- (a) Frequency is denoted by the symbol
- (b) Nodes are.....vibration points.
- (c) Amplitude is measured in
- (d) Human ears cannot recognize frequencies lower than.....
- (e) Voice of a woman has pitch than that of a man.
- (f) The distance covered by a wave in one second is called



2. Define the following:

2X7=14

- (a) Longitudinal Wave
- (b) Forced Vibration
- (c) Harmonics
- (d) Ultrasonic Sound
- (e) Fundamental Tone
- (f) Echoes
- (g) Non-Durable Vibration

3. Answer the following:

- (a) Explain with a suitable experiment that a material medium is necessary for the propagation of sound. 5
- (b) Discuss on the characteristics of musical sound. 5
- (c) Compare between tones and notes. 4
- (d) Write down in detail about the construction of a human ear. 6