

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BA DEGREE EXAMINATION MAY 2024
(Sixth Semester)

Branch - CARNATIC MUSIC

PHYSICS OF MUSIC

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 In India, all music is performed in _____ mode
(i) Equal temperament (ii) Just intonation
(iii) With out Gamaka (iv) None of these
- 2 Chatusruti interval is
(i) 10/9 (ii) 16/15
(iii) 9/8 (iv) 256/243
- 3 _____ are the most commonly used material in a concert hall
(i) Plaster (ii) Acoustics panel
(iii) Acoustic ceiling tiles (iv) All the above
- 4 _____ are the essential tools used to achieve clarity, depth, tonal balance, and presence.
(i) Amplifier (ii) Equalizers
(iii) Speaker (iv) None of these
- 5 Which raga can be used to reduce anxiety
(i) Bhairavi (ii) Bhupala
(iii) Bagesri (iv) Begada

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Explain the term Beats and Frequency.
OR
b Describe the Laws of vibration of stretched strings.
- 7 a Describe the significance of Goula Rishaba , Varalai Madhyama, Begada Madhyama.
OR
b Describe how the srutis arrived through Sadjja -Panchama method.
- 8 a Evaluate the quality of an outdoor theater and a music hall.
OR
b Why are acoustic panels used in concert halls?
- 9 a Evaluate the merits and demerits of online music education.
OR
b Describe how electronic media influenced the growth of Carnatic music.

- 10 a Write your thoughts about Music therapy.
OR
b Write short notes about how music helps the world become more harmonious.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Explain the following
a) Sympathetic vibration b) Absolute pitch and relative pitch
c) Just intonation and equal temperament
OR
b Write in detail about musical sound and their characteristics.
- 12 a Give commonly accepted values for 22 Srutis with its nomenclature.
OR
b Explain the derivation of 22 Srutis.
- 13 a What procedures are used in the construction of a quality concert hall?
OR
b Describe the steps you use to create a high-quality recording.
- 14 a Describe how the evolution of Carnatic music was influenced by electronics.
OR
b Describe the benefits of using media when learning Carnatic music.
- 15 a Write in detail about the benefits of music therapy in developing human health.
OR
b Write an essay about how harmony is promoted by music.

Z-Z-Z

END