

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BA DEGREE EXAMINATION MAY 2025
(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 Name the word associated with the term frequency.
(i) Intensity (ii) Timbre
(iii) Pitch (iv) Vibrations
- 2 Identify the value of Pramana Sruthi.
(i) 25/24 (ii) 256/243
(iii) 9/5 (iv) 81/80
- 3 Choose the factor that leads to unpleasant ambience in a concert hall?
(i) Echo (ii) Beats
(iii) Timber (iv) Intensity
- 4 A Grand Piano has ____ keys.
(i) 88 (ii) 98
(iii) 108 (iv) 28
- 5 Chathusara Jati lagu denotes
(i) 4 (ii) 8
(iii) 5 (iv) 6

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Compare absolute pitch and relative pitch.
OR
b Compare free and forced vibration.
- 7 a Calculate cycle of 5th.
OR
b Explain the Sruthis arrived through cycle of 4th.
- 8 a Describe an open air theatre.
OR
b Show any 4 ragas and their uses in Music therapy.
- 9 a Explain G clef and F clef in brief.
OR
b Outline the contributions of Mozart towards western classical music.
- 10 a State the uses of symbols in Carnatic music.
OR
b Explain the advantages of notation in brief.

Cont...

SECTION -C (30 Marks)

Answer **ALL** questions
ALL questions carry **EQUAL** Marks

(5 x 6 = 30)

- 11 a Examine sympathetic vibration and harmonics.
OR
b Define just intonation and equal temperament.
- 12 a List out the varieties of eka Sruthi interval with values.
OR
b Explain 22 Sruthis.
- 13 a Analyze the influence of Music in therapy.
OR
b List out the necessary features for an acoustically treated concert hall.
- 14 a Compare and contrast guitar and piano.
OR
b Trace an outline on Ludwig Van Beethoven's life history and his compositions.
- 15 a Discuss out a detailed notation of any known Adi tala krithi.
OR
b Illustrate a Rupaka tala krithi in notation.

Z-Z-Z

END