

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BA DEGREE EXAMINATION MAY 2026
(Sixth Semester)

Branch – CARNATIC MUSIC

PHYSICS OF MUSIC

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Name the term that indicates pitch i) Frequency ii) Intensity iii) Resonance iv) Timbre	K1	CO1
	2	Select the term used to relate loudness i) Frequency ii) Intensity iii) Resonance iv) Timbre	K1	CO1
2	3	Which is the frequency value of Madhyama i) 4/3 B ii) 16/15 iii) 256/243 iv) 3/2	K1	CO2
	4	Recall the author who used chala veena and Duruva veena to experiment sruthis i) Baratha ii) Venkatamahi iii) Sarangadeva iv) Kautilya	K1	CO2
3	5	Infer the app that can be used for Sruthi for vocal singing i) Tala metre ii) Tambura droid iii) Band garage iv) Guitartuna	K2	CO3
	6	Interpret the raga which can ease hypertension i) Sahana ii) Saveri iii) Sankarabharanam iv) Anandabhairavi	K2	CO3
4	7	Interpret the century when the latest guitar was developed i) 16th century ii) 17th century iii) 14th century iv) 15th century	K2	CO4
	8	Relate when was Ludwig van Beethoven born i) 1870 ii) 1650 iii) 1900 iv) 1770	K2	CO4
5	9	Tell the indication of a dot above the swara on a notation i) Kalapramanam ii) Higher octave iii) Avarthanam iv) Anyaswara	K1	CO5
	10	Show the symbol used to indicate the completion of an avarta i) O ii) II iii) X iv) C	K2	CO5

SECTION – B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Interpret the term equal temperament and just intonation	K2	CO1
	(OR)			
	11.b.	Interpret the term Absolute Pitch and Relative Pitch		

Cont...

2	12.a.	Explain the term Sruthi and the sizes or divisions of Eka Sruthi with its fractional values.	K3	CO2
	(OR)			
	12.b.	Role of 22 Sruthis in Carnatic Music. Construct the above statement.		
3	13.a.	List out the good features of open air theatre.	K3	CO3
	(OR)			
	13.b.	Assume the influence of Music therapy in human well being.		
4	14.a.	Construct the life history of Ludwig van Beethoven.	K4	CO4
	(OR)			
	14.b.	Build the terms treble clef and bass clef with the representation.		
5	15.a.	List the signs and symbols in writing notation in Carnatic Music	K4	CO5
	(OR)			
	15.b.	Analyse the importance of notation writing in Carnatic Musical compositions		

SECTION – C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks ($3 \times 10 = 30$)

Module No.	Question No.	Question	K Level	CO
1	16	Explain the laws of vibrations of stretched strings.	K3	CO1
2	17	Analyse the derivation of 22 sruthis using cycle of fourth.	K4	CO2
3	18	Appraise the characteristics of a good concert hall.	K4	CO3
4	19	Compare and contrast the western instruments keyboard and Piano.	K5	CO4
5	20	Interpret the notation of a krithi learnt in Rupaka tala	K5	CO5

Z-Z-Z

END