

Cross-reference between Carnatic, Hindustani and Western music

	Ten Hindustāni scale types ( <i>thāt</i> ) in the serial order of V.N. Bhatkhande's system*	Carnatic mela equivalent with serial number	alternative Carnatic names and spellings			
65	1. Kalyān/Yaman <i>thāt</i>	65. Mēcakalyāṇi	Mechakalyani	ri gu	mi	dhi nu
				* <b>D E</b>	<b>F#</b> [sharp]	<b>A B</b>
29	2. Bilāval <i>thāt</i>	29. Dhīraśankarābharaṇam	Dhirasankarabharanam	ri gu	ma	dhi nu
				* <b>D E</b>	<b>F</b>	<b>A B</b>
28	3. Khamāj/Khammaja <i>thāt</i>	28. Harikāmbhōji		ri gu	ma	dhi ni
				* <b>D E</b>	<b>F</b>	<b>A Bb</b> [flat]
15	4. Bhairav/Bhairava <i>thāt</i>	15. Māyāmālavagauḷa	Mayamalavagowla	ra gu	ma	dha nu
				* <b>Db</b> [flat] <b>E</b>	<b>F</b>	<b>Ab</b> [flat] <b>B</b>
51	5. Pūrvī <i>thāt</i>	51. Kāmavardhani	(Pantuvarāḷi)	ra gu	mi	dha nu
				* <b>Db</b> [flat] <b>E</b>	<b>F#</b> [sharp]	<b>Ab</b> [flat] <b>B</b>
53	6. Mārva/Marava <i>thāt</i>	53. Gamanaśrama		ra gu	mi	dhi nu
				* <b>Db</b> [flat] <b>E</b>	<b>F#</b> [sharp]	<b>A B</b>
22	7. Kāfi <i>thāt</i>	22. Kharaharapriya		ri gi	ma	dhi ni
				* <b>D Eb</b> [flat]	<b>F</b>	<b>A Bb</b> [flat]
20	8. Āsāvārī <i>thāt</i>	20. Naṭhabhairavi	Naṭhabhairavī	ri gi	ma	dha ni
				* <b>D Eb</b> [flat]	<b>F</b>	<b>Ab</b> [flat] <b>Bb</b> [flat]
08	9. Bhairavī <i>thāt</i>	08. Hanumatōḍi		ra gi	ma	dha ni
				* <b>Db</b> [flat] <b>Eb</b> [flat]	<b>F</b>	<b>Ab</b> [flat] <b>Bb</b> [flat]
45	10. Tōḍī <i>thāt</i>	45. Śubhapantuvarāḷi	Subhapantuvarali	ra gi	mi	dha nu
				* <b>Db</b> [flat] <b>Eb</b> [flat]	<b>F#</b> [sharp]	<b>Ab</b> [flat] <b>B</b>
	* Walter Kaufmann: The Ragas of North India (1993 ed., p. 14)					
	<b>Eight Western scales</b>	<b>Carnatic mela</b>	<b>Hindustani scale (<i>thāt</i>)</b>			
	Major scale	29. Dhīraśankarābharaṇam	Bilāval <i>thāt</i>	ri gu	ma	dhi nu
	"Natural minor" scale	20. Naṭhabhairavi	Āsāvārī <i>thāt</i>	ri gi	ma	dha ni
	"Melodic minor" scale:					
	- ascending series	23. Gaurīmanōhari	23. Gaurīmanōharī	ri gi	ma	dhi nu
	- descending series	20. Naṭhabhairavi	Āsāvārī <i>thāt</i>	ri gi	ma	dha ni
	"Harmonic minor" scale	21. Kīravāṇi	21. Kīravāṇī	ri gi	ma	dha nu
	Hungarian major" or "Gypsy major" scale	15. Māyāmālavagauḷa	Bhairav/Bhairava <i>thāt</i>	ra gu	ma	dha nu
	Hungarian minor" or "Gypsy minor" scale	57. Simhēndramadhyamam	-	ri gi	mi	dha nu
	Whole-tone scale	62. Rīṣabhapriya	Rīṣabhapriyā, Rīṣabhapriya	ri gu	mi	dha ni
	Note: by definition, Indian scales include a fifth note "pa", here dispensed with to describe a "whole-tone" scale.					
	<b>Six church ("ecclesiastical") modes</b>	<b>Carnatic mela</b>	<b>Hindustani scale (<i>thāt</i>)</b>			
	1. Dorian	22. Kharaharapriya	Kāfi <i>thāt</i>	ri gi	ma	dhi ni
	2. Phrygian	08. Hanumatōḍi	Bhairavī <i>thāt</i>	ra gi	ma	dha ni
	3. Lydian	65. Mēcakalyāṇi	Kalyān/Yaman <i>thāt</i>	ri gu	mi	dhi nu
	4. Mixolydian	28. Harikāmbhōji	Khamāj <i>thāt</i>	ri gu	ma	dhi ni
	5. Aeolian	20. Naṭhabhairavi	Āsāvārī <i>thāt</i>	ri gi	ma	dha ni
	6. Ionian	29. Dhīraśankarābharaṇam	Bilāval <i>thāt</i>	ri gu	ma	dhi nu
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