

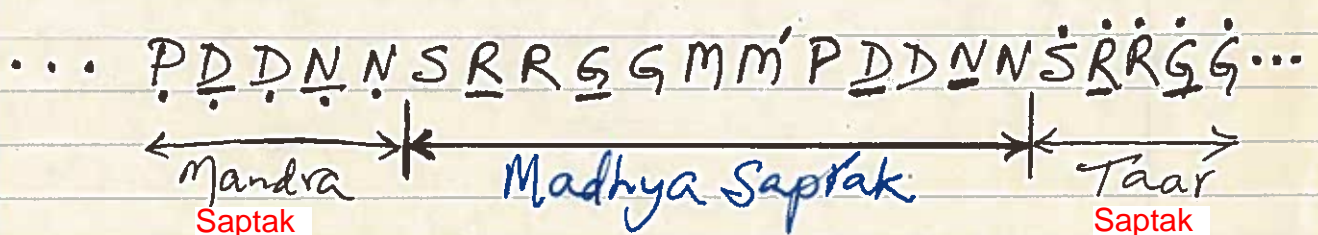
The Notes (swaras) of Indian Classical Music

Shadja	Sa	S	achal or fixed reference
Rishabh	Ri or Ray	Shuddha R ; Komal <u>R</u>	
Gandhaar	Ga	Shuddha G ; Komal <u>G</u>	
Madhyam	Ma	Shuddha M ; Teevra M'	
Pancham	Pa	P	achal or fixed
Dhaivat	Dha	Shuddha D ; Komal <u>D</u>	
Nishad	Ni	Shuddha N ; Komal <u>N</u>	
Taar Saptak	Shadja	<u>S</u>	

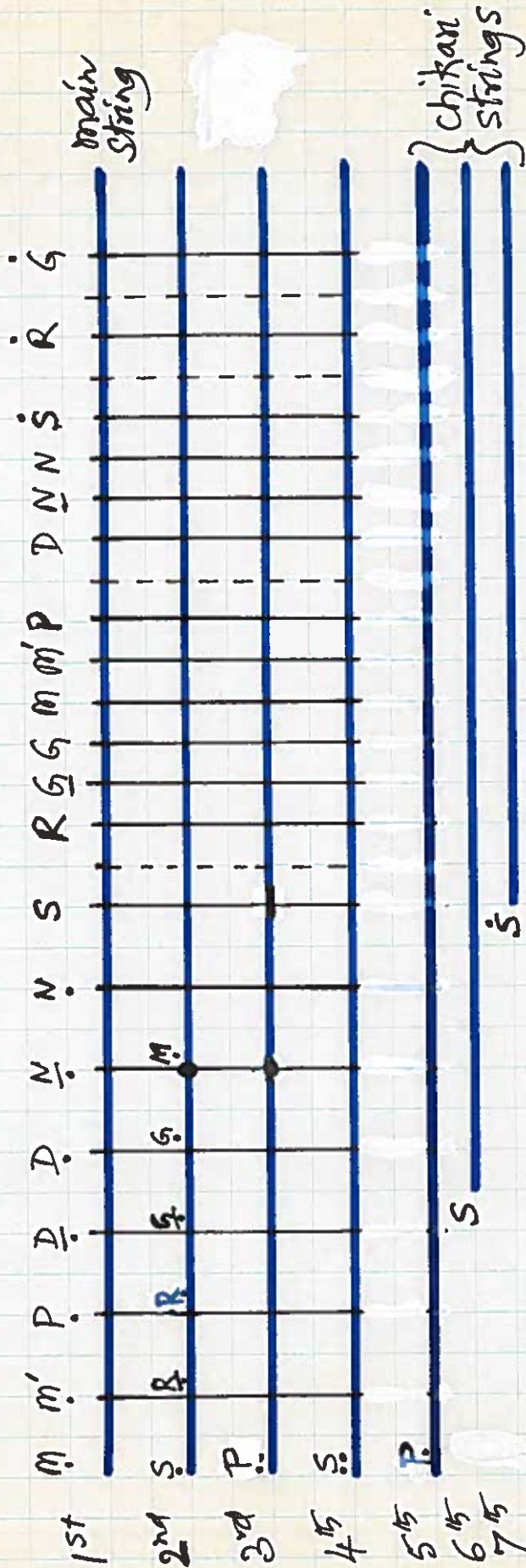
Lower octave (mandra saptak) notes written with a dot under the note.

Higher octave (taar saptak) notes written with a dot above the note.

Each octave has 7 pure or shuddha swaras and 5 altered or vikrit swaras, making a total of 12 notes, in the sequence:



Arrangement of strings and frets on the sitar



1st: 29 1/2 or 30 steel

2nd: 27 copper

3rd: 24 brass

4th: 22 brass

Tarab: 33 steel

Chikari: 31 steel

Note: The 5th (chikari) string may be removed to reduce the chikari sound.

SITAR STROKE PRACTICE LESSONS.

d : da stroke (inward - towards you)
r : ra stroke (outward - away from you)

da = di ; ra = ri ; > = one chikari stroke

1. Play the notes of Yaman over the entire length of the first string from P. to G and back to P, i.e.

P. D. N. S R G M' P D N S R

G R S N D P M' G R S N D

repeatedly over a number of cycles using the following strokes on each note:

a) d d

b) r r

c) da ra

d) da ra da

e) da ra da ra

f) d and r strokes alternating, one per note:

P. D. N. S . . . S R G R S N . . . R S N D
d r d r d r d r d r d r d r

2. Chikari practice :

a) $\dot{P} > \dot{D} > \dot{N} > \dot{S} > \dots \dot{S} > \dot{R} > \dot{G} > \dot{R} >$
 $\dot{S} > \dot{N} > \dots R > S > \dot{N} > \dot{D} >$

b) $\dot{P} >> \dot{D} >> \dot{N} >> \dot{S} >> \dots \dot{S} >> \dot{R} >>$
 $\dot{G} >> \dot{R} >> \dot{S} >> \dot{N} >> \dots R >> S >> \dot{N} >> \dot{D} >>$

c) $\dot{P} >>> \dot{D} >>> \dot{N} >>> \dot{S} >>> \dots \dot{S} >>> \dot{R} >>>$
 $\dot{G} >>> \dot{R} >>> \dot{S} >>> \dot{N} >>> \dots R >>> S >>> \dot{N} >>> \dot{D} >>>$

Repeat the above in cycles a number of times.

3. Practice for Boles:

Play the notes of Yaman from S to Ś and back, i.e.

S R G m' P D N Ś Ś N D P m' G R S

giving on each note the following strokes:

a) da diri da ra

b) diri diri da ra

c) da diri diri diri

d) dar dar da

e) S RR G m' P DD N Ś
da diri da ra da diri da ra

Ś NN D P m' GG R S
da diri da ra da diri da ra

f) SS RR G m' PP DD N Ś
diri diri da ra diri diri da ra

ŚŚ NN D P m'm' GG R S
diri diri da ra diri diri da ra

4. Murchanas : 1st set -

a) Groups of 4 notes each -

$\begin{matrix} P \dot{D} N S & S \dot{N} D P & D \dot{N} S R & R S \dot{N} D \\ d \dot{r} d \dot{r} & d \dot{r} d \dot{r} & d \dot{r} d \dot{r} & d \dot{r} d \dot{r} \end{matrix}$
 $\begin{matrix} N \dot{S} R G & G R S \dot{N} & S R G \dot{M}' & M' G R S \dots \end{matrix}$
 $\begin{matrix} N \dot{S} R G & G R S \dot{N} & D N \dot{S} R & R S \dot{N} D \dots \end{matrix}$
 $\begin{matrix} D \dot{N} S R & R S \dot{N} D & P \dot{D} N S & S \dot{N} D P . \end{matrix}$

b) Groups of 5 notes each:

$\begin{matrix} P \dot{D} N S R & R S \dot{N} D P & D \dot{N} S R G & G R S \dot{N} D \dots \\ d \dot{r} d \dot{r} d & d \dot{r} d \dot{r} d & d \dot{r} d \dot{r} d & d \dot{r} d \dot{r} d \end{matrix}$
 $\begin{matrix} D N \dot{S} R G & G R S \dot{N} D & P D N \dot{S} R & R S \dot{N} D P \dots \end{matrix}$
 $\begin{matrix} D \dot{N} S R G & G R S \dot{N} D & P \dot{D} N S R & R S \dot{N} D P . \end{matrix}$

c) Groups of 6 notes each:

$\begin{matrix} P \dot{D} N S R G & G R S \dot{N} D P & D \dot{N} S R G M' & M' G R S \dot{N} D \dots \\ d \dot{r} d \dot{r} d r & d \dot{r} d \dot{r} d r & d \dot{r} d \dot{r} d r & d \dot{r} d \dot{r} d r \end{matrix}$
 $\begin{matrix} P D N \dot{S} R G & G R S \dot{N} D P & M' P D N \dot{S} R & R S \dot{N} D P M' \dots \end{matrix}$
 $\begin{matrix} D \dot{N} S R G M' & M' G R S \dot{N} D & P \dot{D} N S R G & G R S \dot{N} D P . \end{matrix}$

d) Groups of 7 notes each:

P̣ḌṆSṚG̣Ṃ' ṃ'G̣RṢNḌP̣ ḌṆSṚG̣Ṃ'P̣ P̣ṃ'G̣RṢNḌP̣ ...
 ḍṛḍṛḍṛḍ ḍṛḍṛḍṛḍ ḍṛḍṛḍṛḍ ḍṛḍṛḍṛḍ

ṃ'P̣ḌṆSṚG̣ G̣ṚṢNḌP̣ṃ' G̣Ṃ'P̣ḌṆSṚ ṚṢNḌP̣ṃ'G̣ ...

ḌṆSṚG̣Ṃ'P̣ P̣ṃ'G̣RṢNḌP̣ P̣ḌṆSṚG̣Ṃ' ṃ'G̣RṢNḌP̣.

e) Groups of 8 notes each:

P̣ḌṆSṚG̣Ṃ'P̣ P̣ṃ'G̣RṢNḌP̣ ḌṆSṚG̣Ṃ'P̣ ḌP̣ṃ'G̣RṢNḌP̣ ...
 ḍṛḍṛḍṛḍṛ ḍṛḍṛḍṛḍṛ ḍṛḍṛḍṛḍṛ ḍṛḍṛḍṛḍṛ

G̣Ṃ'P̣ḌṆSṚG̣ G̣ṚṢNḌP̣ṃ'G̣ ṚG̣Ṃ'P̣ḌṆSṚ ṚṢNḌP̣ṃ'G̣Ṛ ...

ḌṆSṚG̣Ṃ'P̣ ḌP̣ṃ'G̣RṢNḌP̣ P̣ḌṆSṚG̣Ṃ'P̣ P̣ṃ'G̣RṢNḌP̣.

5. Murchanas - 2nd set:

a) Groups of 3 notes each:

$\dot{P}\dot{D}\dot{N}$ $\dot{D}\dot{N}\dot{S}$ $\dot{N}\dot{S}\dot{R}$... $\dot{N}\dot{S}\dot{R}$ $\dot{S}\dot{R}\dot{G}$
 $d\dot{r}\dot{d}$ $d\dot{r}\dot{d}$ $d\dot{r}\dot{d}$... $d\dot{r}\dot{d}$ $d\dot{r}\dot{d}$
 $\dot{G}\dot{R}\dot{S}$ $\dot{R}\dot{S}\dot{N}$ $\dot{S}\dot{N}\dot{D}$... $\dot{S}\dot{N}\dot{D}$ $\dot{N}\dot{D}\dot{P}$.

b) Groups of (3+3) notes each:

$\dot{P}\dot{D}\dot{N}$ $\dot{N}\dot{D}\dot{P}$ $\dot{D}\dot{N}\dot{S}$ $\dot{S}\dot{N}\dot{D}$...
 $d\dot{r}\dot{d}$ $d\dot{r}\dot{d}$ $d\dot{r}\dot{d}$ $d\dot{r}\dot{d}$
 $\dot{N}\dot{S}\dot{R}$ $\dot{R}\dot{S}\dot{N}$ $\dot{S}\dot{R}\dot{G}$ $\dot{G}\dot{R}\dot{S}$ $\dot{N}\dot{S}\dot{R}$ $\dot{R}\dot{S}\dot{N}$...
 $\dot{D}\dot{N}\dot{S}$ $\dot{S}\dot{N}\dot{D}$ $\dot{P}\dot{D}\dot{N}$ $\dot{N}\dot{D}\dot{P}$.

c) Groups of (3+4) notes each:

$\dot{P}\dot{D}\dot{N}$ $\dot{P}\dot{D}\dot{N}\dot{S}$ $\dot{D}\dot{N}\dot{S}$ $\dot{D}\dot{N}\dot{S}\dot{R}$...
 $d\dot{r}\dot{d}$ $d\dot{r}\dot{d}\dot{r}$ $d\dot{r}\dot{d}$ $d\dot{r}\dot{d}\dot{r}$
 $\dot{N}\dot{S}\dot{R}$ $\dot{N}\dot{S}\dot{R}\dot{G}$ $\dot{G}\dot{R}\dot{S}$ $\dot{G}\dot{R}\dot{S}\dot{N}$...
 $\dot{R}\dot{S}\dot{N}$ $\dot{R}\dot{S}\dot{N}\dot{D}$ $\dot{S}\dot{N}\dot{D}$ $\dot{S}\dot{N}\dot{D}\dot{P}$.

d) Groups of (3+2+3) notes each:

$\dot{P}\dot{D}\dot{N}$ $\dot{P}\dot{D}$ $\dot{P}\dot{D}\dot{N}$ $\dot{D}\dot{N}\dot{S}$ $\dot{D}\dot{N}$ $\dot{D}\dot{N}\dot{S}$...
 $d\dot{r}d$ $d\dot{r}$ $d\dot{r}d$ $d\dot{r}d$ $d\dot{r}$ $d\dot{r}d$

$\dot{S}\dot{R}\dot{G}$ $\dot{S}\dot{R}$ $\dot{S}\dot{R}\dot{G}$ $\dot{G}\dot{R}\dot{S}$ $\dot{G}\dot{R}$ $\dot{G}\dot{R}\dot{S}$...

$\dot{S}\dot{N}\dot{D}$ $\dot{S}\dot{N}$ $\dot{S}\dot{N}\dot{D}$ $\dot{N}\dot{D}\dot{P}$ $\dot{N}\dot{D}$ $\dot{N}\dot{D}\dot{P}$.

e) Groups of (2+3+3) notes each:

$\dot{P}\dot{D}$ $\dot{P}\dot{D}\dot{N}$ $\dot{N}\dot{D}\dot{P}$ $\dot{D}\dot{N}$ $\dot{D}\dot{N}\dot{S}$ $\dot{S}\dot{N}\dot{D}$...
 $d\dot{r}$ $d\dot{r}d$ $d\dot{r}d$ $d\dot{r}$ $d\dot{r}d$ $d\dot{r}d$

$\dot{S}\dot{R}$ $\dot{S}\dot{R}\dot{G}$ $\dot{G}\dot{R}\dot{S}$ $\dot{G}\dot{R}$ $\dot{G}\dot{R}\dot{S}$ $\dot{S}\dot{R}\dot{G}$...

$\dot{S}\dot{N}$ $\dot{S}\dot{N}\dot{D}$ $\dot{D}\dot{N}\dot{S}$ $\dot{N}\dot{D}$ $\dot{N}\dot{D}\dot{P}$ $\dot{P}\dot{D}\dot{N}$ $\dot{D}\dot{P}$.

RAAG YAMAN

aaroh: N R G m' D N S

avaroh: S N D P m' G R S

Jaati: Sampooran

thaat: Kalyan

Vadi / samvadi: G N

Nyas: S, G, P, N

Time: First quarter of night

Pakad: NRS NDRG GRNRm'm'G
 m'GRS NRGm'P m'Pm'DP Gm'DN DNS
 NDRS SNDPm'Pm'G m'GRS NRS

SONG IN TEEN TAL (16 BEATS / CYCLE)

⁰ m' N D P d r d r	→	m' G m' d r d	^x P → G R d r	NRS → d r d
N D N R d r d r		G m' D N d r d r	S N D P d r d r	m' G R S d r d r
m' G G m' d d r d	-	m' D N - r d r	S - S S d d r	N R S → d r d
N R G R d r d r		N R S → d r d	S N D P d r d r	m' G R S d r d r

RAAG HINDOL

aaroh: S G ṁ D N D ś

avaroh: ś N D ṁ G ṁ G S

jaati: oudav

Thaat: Kalyan

vadi/samvadi: D, G

varjit swar: R, P

time: Day, first quarter

ang: uttarang pradhon

nyas: G, D, ś; use N sparingly

Pakad: S G, ṁ D N D, ś D, ṁ G S, D S

SARGAM in Jhaptaal

^xṁ D G ṁ G ś S D S S
 G ṁ G ṁ D ṁ D N D ś
 ś ś G G ś ṁ G ś G ś
 ś N D ṁ D ṁ G ṁ G S

RAAG HAMSADHAWANI

aarsh: S R G P G R G P N S

avarsh: Ṡ N P G R S

jaati: .. omdav

thaat: Bilaval

vadi/samvadi: S, P

Nyas: S, G, P, N

varjit swar: m, D

time: first quarter of night

ang: uttarang pradhan

Pakad: S, G R, S N P, N S, P N S G R,
G P G R, N P G R, P G R S, S, G R,
G P N S, G R S, R G R, N P G R, S

SARGAM in Ektal

X	G P N Ṙ	N P G S	R G R } >
	Ṅ Ṗ Ṅ S	R P G P	G R S } >
	P G P G	R G P N	Ṡ Ṅ Ṡ } >
	P N Ṙ Ġ	Ṙ N P G	P G R S

RAAG BHOO PALI

aash: S R G P D Ṡ

avaash: Ṡ D P G R S

jaati: oudar

thaat: Kalyan

vadi/samvadi: G, D

varjit swar: m, n

time: first quarter of night

ang: poorvang pradhan

nyas: S, G, P, D

pakad: S D S R G R S, R D S,
S D P, P D S R G R SSargam (teentaal)sthai

S D S R G R S R^x P - G R G R S -
G G P P D D P P G R G P G R S -

antara

G G G G P P D P Ṡ - Ṡ Ṡ Ṡ Ṙ Ṡ -
Ṡ Ṙ Ġ Ṙ Ṡ Ṙ Ṡ D P Ṡ D P G R S -

RAAG DURGA

aaroh: S R M P D \dot{S}

avaroh: \dot{S} D P m R, S R D S

jati: : undav

thaat: Bilawal

vadi/samvadi: M, S

varjit swar: G, v

ang: uttarang pradhan

time: second quarter of night

pakad: R m P D P m R, S R, D S
S R m P D P, P D \dot{S} , \dot{S} R m R, m R \dot{S} , \dot{S} R \dot{S} D P,
m P m R, S R D S

nyas: S, R, m, P

LAKSHAN GEET

sthai:

D \dot{S} D P m P D P * m - R S D R S -

D - S S R - S S R m P D m - R S

antara

m - P D \dot{S} D \dot{S} - D \dot{S} R \dot{S} D P m P

m m R \dot{S} D R \dot{S} - D P m P m - R S

RAG BIHAG

aaroh: $\dot{N} S G m P N \dot{S}$

avaroh: $\dot{S} N D P \acute{m} P, G M G, R N S$

jaati: omdar/sampoorn

Thaat: Bilaval ; Time: Night, 2nd quarter

Vadi/Samvadi: G, N

varjit swar: R, D in aaroh

Note: \acute{m} used in avaroh in a particular way

nyas: S, G, P, N

ang: poorvang pradhon

Pakad: $\dot{N} S G m P, \acute{m} P, G M G, R S, \dot{N} D P, N S$
 $\dot{N} S G m P, P \acute{m} G m G, D P \acute{m} P, G M G, R N S$

SARGAM in teental

$\dot{N} S G m P N \dot{S} - \overset{x}{N} - D P G m G -$

$P N S G R S \dot{N} S P \acute{m} G m G R S -$

$G m P N \dot{S} N \dot{S} - N \dot{S} \acute{G} \acute{R} \dot{S} N D P$

$P N \dot{S} N D P \acute{m} P G m P m G R N S$

SARGAM IN YAMAN KALYAN

0 G R S N S R G m * P - R > G R S N

S > G R G R S N D - D > N D P m

P > G R G D P > G R G m G R S >

N D P m P D N S R - D > G R S N

S > N D N D P m D - R > G R S N

S > m P m D P > G R G m G R S >

SARGAM IN HAMSA DHWANI

* G P N R N P G S R G R >

N P N S R P G P G R S >

P G P G R G P N S N S >

P N R G R N P G P G R S

SARGAM IN KAMOD

⁰ M R P > m P D P x G M P, G M R S >

D D P > S N R S G M P, G M R S >

P - S > N R S > G M P, G M R S >

N R S > D P M P G M P, G M R S >

SARGAM IN TILAK KAMOD

x P N S R G, S R P ⁰ M G S R G S - N
 d r d r d d r d r d d - r
 S R M P S - P D M G S R G S - N
 d r d r d - d r d r d r d d - r

R M P N S - S > P N S R G - S -

R M G R G, S R G S N P D M G R S

S R M P S - P D M G S R G S - N

note: a comma , indicates that the next note should be a da stroke.

VILAMBIT GAT IN YAMAN TEENTAAL

¹² GG v	¹³ → R 	¹⁴ SS v	¹⁵ N 	¹⁶ → R 	
^{x1} G 	² G 	³ → G 	⁴ RR v	⁵ → G 	⁶ mm v
⁷ P 	⁸ → M 	⁹ G 	¹⁰ R 	¹¹ → S 	

GG v	R→ 	SS v	N 	D→ 	
N 	D 	P→ 	mm v	D→ 	N.N v
R 	P→ 	G 	R 	S→ 	

stroke symbols : | da) = 1 beat (matra)
 - ra
 v di ri
 > chikari
 x sam

YAMAN CHATUSHRAM TAANS starting from x

1. SNDN SNDN NRGM PmGm PmGm mDNR
GRSN DPmG RSNR G-NR G-NR
2. NRGmP-GmP-GmPm GRS-GmDNS-
DNS-DNSNDPm- (PmGR) 2
3. NNN RRR GGG mmm PmGRS-
GGG mmm DDD NNN SNDPm- PmGR NRGR
4. GRSNDP PmGRSN NDPmGR GRSNDP
mGRS NRGmP-PmGRS- PmGR
5. NRGR SNDP MDND PmGR NRGR SNDP
(MDND PmGRS-) 2
6. NRGRS-MDNDP- NRGRS-MDNDP-
(MDNRGRS-) 2 GRNR
7. NRGm PmGR GmDN NDPm mDNR GRSN
DPmG RSNR GmDNS- NDPmGR
8. GRG- GRG- GRSN SNDP MDN- MDN-
MDND PmGR (PmGRS-) 2

MADHYA LAYA GAT IN YAMAN TEEN TAAL

7	8	9	10	11	
<u>RR</u>	<u>GG</u>	<u>R-</u>	<u>RS</u>	<u>-S</u>	
diri	diri	da	r da	r	
12	13	14	15	16	
<u>SS</u>	<u>N</u>	<u>DD</u>	<u>N</u>	<u>R</u>	
diri	da	diri	da	ra	
x 1	2	3	4	5	6
<u>G-</u>	<u>-G</u>	<u>R</u>	<u>P-</u>	<u>-P</u>	<u>M</u>
da-	-r	da	da-	-r	da

G mm P D N- -D
 da diri da ra da- -r

D S- -S N P- -P
 da da- -r da da- -r

m DD P M
 da diri da ra

YAMAN 6-beat taans for: madhya laya gat

starting from sam x :

1. N R G R S m P m G R S -
2. (P m G R S -) 2
3. S N D P N D P m G R S -
4. G R S N D P m G R S N N
5. P m G m P - P m G R S -
6. (G m G R S -) 2
7. (G m P -) 3
8. m D N D P m G m G R S -

YAMAN JHALA (each line 16 beats) (- = > = chikari)

(N - - - S - - - R - - - S - - -) 2

(D - - - N - - - R - - - S - - -) 2

(M - - - D - - - N - - - S - - -) 2

(N - - - R - - - G - - - G - - -)
 (N - - - R - - - S - - - S - - -) 2

(M - - - G - - - M - - - R - - -)
 (G - - - R - - - S - - - S - - -) 2

(N - - - R - - - G - - - M - - -)
 (G - - - M - - - P - - - P - - -) 2

(N - R - G - M - P - - - P - - -)
 (M - P - M - - - G - - - G - - -) 2
 (R - G - R - - - N - R - S - - -)

(N - R - G - P - R - - - S - - -) 2

(G - - - M - - - D - - - N - - -)
 (Ṡ - - - Ṡ - - - N - - - Ṡ - - -) 2

(N - - - Ṡ - - - Ṙ - - - Ṡ - - -) 2

YAMAN JHALA (continued)
$$\left(\begin{array}{cccc} N - - - & \dot{R} - - - & \dot{G} - - - & \dot{G} - - - \\ N - - - & \dot{R} - - - & \dot{S} - - - & \dot{S} - - - \end{array} \right)_2$$

$$\left(\begin{array}{cccc} N - \dot{R} - & \dot{G} - \dot{R} - & \dot{G} - - - & \dot{G} - - - \\ N - \dot{R} - & \dot{G} - \dot{R} - & \dot{S} - - - & \dot{S} - - - \end{array} \right)_2$$

$$\left(\begin{array}{cccc} N - - - & P - - - & M - - - & R - - - \\ N - R - & G - P - & R - - - & S - - - \end{array} \right)_2$$

$$\left(\begin{array}{cccc} \dot{N} - R - & G - P - & R - - - & S - - - \end{array} \right)_2$$