

VILAMBIT GATI IN BHOOP TEENTHAL

$\underbrace{GG}_V$	$\underbrace{R^>}_V$	$\underbrace{SS}_V$	$\underbrace{G}_V$	$\underbrace{R^>}_V$	
$\underbrace{^xP}_V$	$\underbrace{P}_V$	$\underbrace{G^>}_V$	$\underbrace{RR}_V$	$\underbrace{G}_V$	$\underbrace{PP}_V$
$\underbrace{D}_V$	$\underbrace{D^>}_V$	$\underbrace{G}_V$	$\underbrace{R}_V$	$\underbrace{S^>}_V$	

$\underbrace{GG}_V$	$\underbrace{G^>}_{- }$	$\underbrace{PP}_V$	$\underbrace{D}_{- }$	$\underbrace{S^>}_V$	
$\underbrace{D}_V$	$\underbrace{S^>}_V$	$\underbrace{R}_V$	$\underbrace{S^>}_V$	$\underbrace{G^>}_V$	$\underbrace{R^>}_V$
$\underbrace{S^>}_V$	$\underbrace{D^>}_V$	$\underbrace{PP}_V$	$\underbrace{GG}_V$	$\underbrace{RR}_V$	

## CHATUSHRAM TAANIS BHOP starting from x:

1.  $(SRGP \dot{D}\dot{S}\dot{R}\dot{G} \dot{R}\dot{S}\dot{D}P \text{ GRS-} )^2 (DPGRS-)^2$
2.  $SRGG \text{ GRSD}\dot{P}- \text{ RGPP PGRSD}\dot{P}- \text{ GPDD DPGRS-}$   
 $\dot{D}\dot{S}\dot{R}\dot{R} \dot{R}\dot{S}\dot{D}P\dot{G}- \text{ DPGR}$
3.  $GRS- \text{ GRSD}\dot{P}- \text{ DP}\dot{G}- \text{ DPGRS-} \dot{R}\dot{S}\dot{D}- \dot{R}\dot{S}\dot{D}P\dot{G}-$   
 $\dot{R}\dot{S}\dot{D}PGRS- \text{ DPDPGR}$
4.  $SRGR \text{ PGRS} \text{ RGPG} \text{ DPGR} \text{ GPDP} \dot{S}\dot{D}P\dot{G}$   
 $\dot{D}\dot{S}\dot{R}\dot{S} \dot{G}\dot{R}\dot{S}\dot{D} \text{ PGRS} (DPGR)^2$
5.  $(\dot{G}\dot{R}\dot{S}\dot{D} \dot{R}\dot{S}\dot{D}P \dot{S}\dot{D}P\dot{G} \text{ DPGR})^2 (\dot{S}\dot{D}P\dot{G}RS)^2$
6.  $\dot{D}\dot{S}\dot{R}\dot{G} \text{ GRSD}\dot{P} \text{ RGPD} \text{ DPGR} \text{ GPDS}\dot{S} \dot{S}\dot{D}P\dot{G}$   
 $\dot{D}\dot{S}\dot{R}\dot{G} \dot{G}\dot{R}\dot{S}\dot{D} \dot{G}\dot{R}\dot{S}\dot{D} \text{ PGRS} \text{ DPGR}$
7.  $\widehat{R\dot{G}} \widehat{R\dot{G}} \text{ RSD}\dot{P} \widehat{D\dot{S}\dot{D}\dot{S}} \text{ DPGR} \widehat{R\dot{G}} \widehat{R\dot{G}} \dot{R}\dot{S}\dot{D}P$   
 $(\widehat{R\dot{G}} \dot{R}\dot{S} \text{ DPGRS-})^2$
8.  $\widehat{D\dot{S}\dot{D}\dot{S}} \widehat{D\dot{S}\dot{D}\dot{S}} \text{ GRSD}\dot{P} \widehat{R\dot{G}\dot{R}\dot{G}} \widehat{R\dot{G}\dot{R}\dot{G}} \text{ DPGR}$   
 $\widehat{D\dot{S}\dot{D}\dot{S}} \widehat{D\dot{S}\dot{D}\dot{S}} (\dot{S}\dot{D}P\dot{G}RS)^2$
9.  $\widehat{D\dot{S}\dot{D}\dot{S}} \widehat{SRS} \widehat{RGR} \widehat{GPG} \widehat{RGR} \widehat{GPG} \widehat{PDP} \widehat{D\dot{S}\dot{D}}$   
 $(\widehat{D\dot{S}} \text{ DPGRS-})^2 \text{ DPGR}$

CHATUSHRAM TAANS BHODP continued:

10.  $\overline{D\dot{S}R\dot{S}}$  DPGR  $\overline{GPD\dot{P}}$  GRS-  $\overline{D\dot{S}R\dot{S}}$   $\dot{D}$ - $\dot{P}$ -

$\overline{D\dot{S}D\dot{S}}$  RGP-  $\overline{RGR\dot{G}}$  P $\dot{S}$ - DPGR

11.  $\overline{D\dot{D}D\dot{S}}$  S $\dot{D}$ P-  $\overline{RRR\dot{G}}$  PGRS  $\overline{DD\dot{D}\dot{S}}$  G $\dot{R}\dot{S}\dot{D}$

( $\overline{RRR\dot{G}}$  DPGRS- ) 2

12. SRGR SRGR SR $\dot{G}$ , SR $\dot{G}$ , SR $\dot{G}$ PDPGRS-

RSP $\dot{G}$  RSP $\dot{G}$  RSP, RSP, RSP $\dot{S}$ DPGR-

GPD $\dot{P}$  GPD $\dot{P}$  GP $\dot{D}$ , GP $\dot{D}$ , GP $\dot{D}\dot{S}$ R $\dot{S}$ DP $\dot{G}$ -

D $\dot{S}$ R $\dot{S}$  D $\dot{S}$ R $\dot{S}$  D $\dot{S}$ R, D $\dot{S}$ R, D $\dot{S}$ R $\dot{G}$ G $\dot{R}\dot{S}$ DP-

(DPGRS- ) 2

13. GRS, GRS, GR $\dot{S}\dot{D}$ , DP $\dot{G}$ , DP $\dot{G}$ , DPGR,

R $\dot{S}\dot{D}$ , R $\dot{S}\dot{D}$ , R $\dot{S}\dot{D}$ P, G $\dot{R}\dot{S}$ , G $\dot{R}\dot{S}$ , G $\dot{R}\dot{S}\dot{D}$ ,

G $\dot{R}\dot{G}\dot{R}\dot{S}\dot{D}$  R $\dot{S}$ R $\dot{S}$ DP S $\dot{D}$ S $\dot{D}$ P $\dot{G}$  DPDPGR DPDPGRS-

SRGP $\dot{D}$ - RGP $\dot{S}$ - GP $\dot{D}\dot{S}$ R-

G $\dot{R}\dot{S}\dot{D}$  PGRS DPGRS- DPGR



DHRUT GAT BHOOP TEENTAAZ

$\overset{x}{G}$  -G G R G PP D  $\dot{S}$

$\overset{\circ}{D}$  P GG RR G R - SS

$\overset{x}{D}$  -  $\overset{\circ}{D}$  S - SS R S

$\overset{\circ}{G}$  R GP DP G R - SS

BHOOP 8-beat taans for dhrut gat starting from 0 :

1. (G P D P G R S - ) 2
2. G R S D R S D P S D P G S D P G R
3. S R G - R G P - G P D - D P G R
4. (G R S R G - ) 2 G R S R
5. (S - D - P G R S) 2
6. D S R S G P D P R G P G D P G R

BHOP long taans for dhruv gat starting from X :

1. SRG - GRSD RGP - PGRS GPD - DPGR DSR - RSDP  
(GRSD RSDP SDPG DPGR) 2
2. D-D - DSR S R-R - RSPG G-G - GPDP D-D - DSR S  
G-R - SDP - R-S - DPG - (D-P - GRS-) 2
3. RGRG SRSR DSDS PDPD DSDS PDPD GPSP RGRS  
(DPGR SRGR) 2 (DPGR S->-) 2
4. (GRSR G-G-) 2 GRSDP->- (DPGPD-D-) 2 DPRS->-  
(RSDS R-R-) 2 RSDPG->- (GRSRG-G-) 2 GRSDPGRS
5. DSR S GRSD GPDP SDPG RSPG DPGR SRGR PGRS  
(SRGP D-D- DPGRS-S-) 2
6. SRSD SDPG SDPG PGRS SRGPD-D- DPGR S-S-  
(RGPD S-S- SDPG PGRS) 2
7. DSR S SRGR RSPG GPDP RSPG GPDP PDS D DSR S  
G-R - SDP - R-S - DPG - (D-P - GRS-) 2
8. GRG - GRG - RSR - RSR - GRG - RSR - SDS - SDP -  
P DSRG - G - RSPD S-S- (DPDP GRS-) 2

BHOOP      JHALA    each line 16 beats starting from X :

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

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

(G - - - R - - - D - - - S - - - ) 2

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

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

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

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

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

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

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

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

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

BHOOP JHALA continued:

$$(\dot{G} - \text{---} \dot{R} - \text{---} D - \text{---} \dot{S} - \text{---})_2$$

$$\left( \begin{array}{l} \dot{S} - D - P - G - R - G - P - G - \\ P - \text{---} G - \text{---} R - \text{---} S - \text{---} \end{array} \right)_2$$

$$\left( \begin{array}{l} G - \text{---} P - \text{---} D - \text{---} \dot{S} - \text{---} \\ \dot{R} - \dot{R} - \dot{S} - \text{---} D - D - \dot{S} - \text{---} \end{array} \right)_2$$

$$(\dot{R} - \dot{R} - \dot{S} - \text{---} D - D - \dot{S} - \text{---})_2$$

$$\left( \begin{array}{l} \dot{S} - \text{---} D - \text{---} P - \text{---} G - \text{---} R - G - \\ D - \text{---} P - \text{---} G - \text{---} R - \text{---} \dot{D} - S - \end{array} \right)_2$$

$$(\dot{D} - S - R - G - P - \text{---} P - \text{---})_2$$

$$(\dot{D} - S - R - G - P - )_3 \quad P - P -$$



# VILAMBIT GAT IN DURGA TEENTAAL

$\underbrace{SS}_V$	$\underbrace{R^>}_I$	$\underbrace{mm}_V$	$\underbrace{P}_I$	$\underbrace{P^>}_-$	
$\underbrace{^XD}_I$	$\underbrace{D}_I$	$\underbrace{P^>}_-$	$\underbrace{PD}_V$	$\underbrace{M^>}_I$	$\underbrace{RR}_V$
$\underbrace{m}_I$	$\underbrace{P^>}_-$	$\underbrace{R}_I$	$\underbrace{D}_I$	$\underbrace{S^>}_I$	
$\underbrace{SS}_V$	$\underbrace{R^>}_I$	$\underbrace{mm}_V$	$\underbrace{P}_I$	$\underbrace{P^>}_-$	
$\underbrace{m}_I$	$\underbrace{P.P.}_V$	$\underbrace{D.}_I$	$\underbrace{S^>}_-$	$\underbrace{D.}_I$	$\underbrace{SS}_V$
$\underbrace{R}_I$	$\underbrace{R^>}_-$	$\underbrace{PD}_V$	$\underbrace{R^>}_I$	$\underbrace{D.S}_V$	

DURGA CHATUSHRAM TAANS starting from X

1. SRm- mRS- RmP- PmR- MPD- DPM-  
DSR- RSD- DSRS MPDP RmPM
2. DSRmP- PmRS.D- SRMPD- DPMRS-  
MPDSR- RSDPM- (DPMR) 2
3. D.D.D SSS mRS.D RRR mmm DPMR  
mmm PPP SDPM DDD SSS SDPM RSMR
4. MRS- MRS.D.P- DPM- DPMRS-  
RSD- RSDPM- RSDPMRS- RSDPMR
5. RmP- RmP- PmRS MPD- MPD- DPMR  
DSR- DSR- RSDP DPDPmRS-
6. SRmR PmRS RmPM DPMR MPDP SDPM  
DSRS (RSDPmRS-) 2
7. DSD SRS RmR MPM PmRS  
RmR MPM PDP DSD SDPM (SDPMRS) 2
8. DSDS DSDS MRS- RmRm RmRm DPM-  
DSDS DSDS (DPMRS-) 2



DURGA CHATUSHRAM continued

9. DSDS SDPM RMRM MRSD DSDS SDPM  
MPDS R-S- (MRMRS-)<sup>2</sup>

10. RmRm RSD- DSDS DPM- RmRm RSD-  
 (RmRSDPMRS-)<sup>2</sup>

11. SRMR SRMR SRMR SDP-  
RMPM RMPM RMPM RSD-  
MPDP MPDP MPDP MRS-  
DSDS DSDS DSDS DPM-  
DSDS RSDP MPDP DPMR RMPM PMRS  
SRSRM- RMRMP- MPMPD- MR

12. DSR DSR DSRSDS RMP RMP RMPMRM  
MPD MPD MPDPMP DSDS DSDS DSDSDS  
DSDS RSD- MPDP DPM- RMPM PMR-  
SRMR MRS- SRMP D-D- DPMR S-S-  
DPMRS- DPMRS-

# DHRUT GAT IN DURGA TEENTAL

<sup>0</sup>R mm R m > P mm P

<sup>x</sup>D > > m = PP D >

<sup>0</sup>> R = mm P > > S

<sup>x</sup>= RR m > > D = SS

<sup>0</sup>R mm R m > P mm P

<sup>x</sup>D = D P R mm R S



DURGA 8-beat Taans (from X) for about gat:

1. SRM - RMP - MPD - PDS -
2. SRSRM - RMRMP - PMRS
3. (D - P - MRS - ) 2
4. DSRS SRMR RMPM PMRS
5. (DPMP MRS - ) 2
6. (SDPMRS) 2 PMRS

## DURGA 40-beat taans (from x) for dhruv gat :

1. SRSRM-m- RmRmP-P- MPMPD-D- PDPDš-š-  
 SRSRM--- RmRmP--- MPMPD--- PDPDš---  
 SRm- RmP- MPD- PĐš-
2. SRMR MRSĐ RmPm PMRS MPDPDPMR ĐŠŘŠŘĐP  
 (ĐŠŘšMPDP RmPm SRMR)<sup>2</sup> (DPmP MRS-)<sup>2</sup>
3. Đ-Đ-ĐSRS R-R-RmPm m-m-MPDP Đ-Đ-ĐŠŘš  
 (š-Đ-PmRM Đ-P-MRS-)<sup>2</sup> (DPmRS---)<sup>2</sup>
4. ŠŘšĐ šDPm šDPm PMRS SRMPD-D- Đ-P-MRS-  
 R-m-PĐš- š-Đ-PmRM (Đ-P-MRS-)<sup>2</sup> (DPmPMRS-)<sup>2</sup>
5. P-P-P-P- PmRm RSD- Đ-Đ-Đ-Đ- DPmPmRS-  
 Đ-Đ-ĐPMR š-š-šDPm. Ř-Ř-ŘšDP m-m-mŘšĐ  
 (m ŘšĐ PMRS)<sup>2</sup>



DURGA 40-beat taans for dhrut gat - continued:

6. DSR - RSDP MPD - DPMR RMP - PMRS RMP - PMRS  
 S-R - MPD - R-M - PDS - S-D - PMRM D-P - MRS -  
 (DPMPMRS-) 2

7. DSR S D-P - RMPMR - S - SRMR SDP - DSR S DPM -  
 MPDS R-S - SRMPD - P - (DPMPMRS-) 2 (MRMRS---) 2

## DURGA      JHALA (each line 16 beats)

( $\dot{D}$  - - -     $\dot{S}$  - - -     $R$  - - -     $S$  - - - ) 2

( $R$  - - -     $S$  - - -     $\dot{D}$  - - -     $S$  - - - ) 2

( $M$  - - -     $R$  - - -     $\dot{D}$  - - -     $S$  - - - ) 2

( $D$  - - -     $M$  - - -     $R$  - - -     $S$  - - - ) 2

( $\dot{D}$  - - -     $S$  - - -     $R$  - - -     $M$  - - - )  
( $R$  - - -     $M$  - - -     $P$  - - -     $P$  - - - ) 2

( $\dot{D}$  - -     $S$  - -     $R$  - -     $M$  - -     $R$  -  $M$  - )  
( $R$  - -     $M$  - -     $D$  - -     $P$  - -     $M$  -  $P$  - ) 2

( $\dot{D}$  - - -     $S$  - - -     $R$  - - -     $M$  - - - )  
( $R$  - - -     $M$  - - -     $D$  - - -     $P$  - - - ) 2

( $M$  - - -     $P$  - - -     $D$  - - -     $\dot{S}$  - - - )  
( $\dot{R}$  - - -     $\dot{S}$  - - -     $D$  - - -     $\dot{S}$  - - - ) 2

( $\dot{R}$  - - -     $\dot{S}$  - - -     $D$  - - -     $\dot{S}$  - - - ) 2

( $\dot{M}$  - - -     $\dot{R}$  - - -     $D$  - - -     $\dot{S}$  - - - ) 2

( $\dot{R}$  - - -     $\dot{S}$  - - -     $D$  - - -     $\dot{S}$  - - - ) 2

( $\dot{S}$  -  $D$  -  $P$  -  $M$  -  $R$  -  $M$  -  $P$  -  $M$  - )  
( $P$  -  $M$  -  $R$  -  $S$  -  $\dot{D}$  - - -     $S$  - - - ) 2



DURGA JHALA continued:
$$\left( \begin{array}{cccc} \dot{D} & - & - & - \\ P & - & - & - \end{array} \quad \begin{array}{cccc} S & - & - & - \\ D & - & - & - \end{array} \quad \begin{array}{cccc} R & - & - & - \\ \dot{S} & - & - & - \end{array} \quad \begin{array}{cccc} M & - & - & - \\ \dot{S} & - & - & - \end{array} \right)^2$$

$$\left( \begin{array}{cccc} \dot{R} & - & - & - \\ \dot{S} & - & - & - \end{array} \quad \begin{array}{cccc} D & - & - & - \\ \dot{S} & - & - & - \end{array} \right)^2$$

$$\left( \begin{array}{cccc} \dot{R} & - & \dot{R} & - \\ \dot{S} & - & - & - \end{array} \quad \begin{array}{cccc} D & - & D & - \\ \dot{S} & - & - & - \end{array} \right)^2$$

$$\left( \begin{array}{cccccc} \dot{S} & - & - & D & - & - \\ D & - & - & M & - & - \end{array} \quad \begin{array}{cccc} P & - & - & M & - & - \\ R & - & M & - & - & - \end{array} \right)^2$$

$$\left( \begin{array}{cccc} \dot{D} & - & S & - \\ R & - & M & - \end{array} \quad \begin{array}{cccc} D & - & - & - \\ D & - & - & - \end{array} \right)^2$$

$$\left( \begin{array}{cccc} \dot{D} & - & S & - \\ R & - & M & - \\ P & - & - & - \end{array} \right)^3 \quad P-P-$$

### HINDOL Vilambit Gat in Teen Taal

SS GMG GG M' D>

<sup>x</sup>S S S> SS N>

DD M' D> °M' G S>

SS DND DD M' DD  
<sup>x</sup>DN D> S> SS GMG

M'M' DN D> °M' G S>

HINDOL Chatushram 11-beat Taans starting from <sup>x</sup>

1. (SGMD NDṢ- ŚNDM GMGS)2 (MDNDṢ-)<sub>2</sub>
2. (ŚNDM NDMG DMGS MGS-)2 ŚNDM GMGS MGS-
3. GMGMD- GMGGS- MDNDṢ- ŚNDMG-  
ŚNDM GMDM GMGS (MGS-)2
4. (ŚGṢN ŚNDM DNDM GMGS)2 (MDNDṢ-)<sub>2</sub>
5. Ś- N- ŚNDM N- D- NDMG D- M- DMGS  
D- S- GMD- G- M- NDṢ- NDṢ-
6. (DSDS)2 MGS- (GMGM)2 NDM- (DSDS)2 (ŚNDMGS)2
7. (GMGS)2 (DNDM)2 (DNDM GMGS)2 (MGMGS-)2
8. DSDS ŚNDM GMGM GMGS DSDS SNDM  
(MNDM GMGS)2 MGS-
9. DND SGS GMG MDM GMG MDM DND SGS  
(ŚNDM GMGS)2 MGS-

HINDOL Chatusram 11-beat Taans starting from <sup>x</sup> (continued)

10.  $\overbrace{\text{M}\dot{\text{D}}\dot{\text{M}}\dot{\text{D}}}$   $\overbrace{\text{D}\dot{\text{S}}\dot{\text{D}}\dot{\text{S}}}$   $\overbrace{\text{G}\dot{\text{M}}\dot{\text{G}}\dot{\text{M}}}$   $\text{M}\dot{\text{G}}\dot{\text{S}}-$   $\overbrace{\text{G}\dot{\text{M}}\dot{\text{G}}\dot{\text{M}}}$   $\overbrace{\text{M}\dot{\text{D}}\dot{\text{M}}\dot{\text{D}}}$   $\overbrace{\text{D}\dot{\text{S}}\dot{\text{D}}\dot{\text{S}}}$   $\dot{\text{S}}\dot{\text{N}}\dot{\text{D}}-$   
 $(\dot{\text{S}}\dot{\text{N}}\dot{\text{D}}\dot{\text{M}}\dot{\text{G}}\dot{\text{S}})_2$

11.  $(\dot{\text{S}}\dot{\text{N}}\dot{\text{D}}-)_2$   $\dot{\text{S}}\dot{\text{N}}\dot{\text{D}}\dot{\text{M}}$   $(\text{G}\dot{\text{M}}\dot{\text{D}}-)_2$   $\text{G}\dot{\text{M}}\dot{\text{G}}\dot{\text{S}}$   $(\text{S}\dot{\text{N}}\dot{\text{D}}-)_2$   $\text{S}\dot{\text{N}}\dot{\text{D}}\dot{\text{M}}$   $\text{M}-\dot{\text{D}}-$   $\text{N}\dot{\text{D}}\dot{\text{S}}-$



HINDOL Tishram 11-beat Taans starting from <sup>x</sup>

1. SGM MGS GMD NDM DND ŚND ŚND NDM GMD MGS MGS

2. Ś-N D-M N-D M-G D-M G-S G-M N-D Ś-N D-M G-S

3. ḠŚN ŚND NDM DMG S-- DND S-- G-M DND ŚND MGS

4. ŚND NDM GMG S-- SND MND (M-G S-S)2 MGS

5. GMG M-- GMG S-- DND Ś-- ŚND M-- ŚND GMD MGS

6. DDS DDS SND GGM GGM MGS DDS DDS ŚND MGS MGS

## HINDOL Dhrut Gat in Teen Taal

GM' DM' °G- GS -S SS G M'M' N D  
 diri diri da- rda -r diri da diri da ra

˙S- ˙S ˙S D- -M' M'  
 da- -r da da- -r da

D SS °D N M' DD N D M' G

˙SS SS M' G - SS

HINDOL Dhrut Gat 6-beat Taans starting from <sup>x</sup>

1.  $\overset{\cdot}{S}NDM \quad NDMG \quad DMGS$   


2.  $(MGMGS-)_2$   


3.  $(\overset{\cdot}{S}NDMGS)_2$   


4.  $SGM- \quad GMD- \quad NDM-$   


5.  $GMGS \quad MGS- \quad MGS-$

6.  $(MDNDS\overset{\cdot}{S}-)_2$   




## HINDOL Dhrut Gat 38-beat Taans starting from \*

1.  $\underbrace{GMGM}_{\underbrace{G-M-}} \underbrace{D-D-}_{\underbrace{DMD-}} \underbrace{GMGG}_{\underbrace{M-D-}} \underbrace{S-S-}_{\underbrace{NDS-}} \underbrace{MDND}_{\underbrace{MDND}} \underbrace{\dot{S}-\dot{S}-}_{\underbrace{\dot{S}-}} \underbrace{\dot{S}NDM}_{\underbrace{\dot{S}NDM}} \underbrace{GMGS}_{\underbrace{GMGS}}$   
 $(\underbrace{G-M-}_{\underbrace{G-M-}} \underbrace{DMD-}_{\underbrace{DMD-}} \underbrace{M-D-}_{\underbrace{M-D-}} \underbrace{NDS-}_{\underbrace{NDS-}})^2 (\underbrace{MDND}_{\underbrace{MDND}} \underbrace{\dot{S}-}_{\underbrace{\dot{S}-}})^2$
2.  $\underbrace{MDND}_{\underbrace{MDND}} \underbrace{SNDM}_{\underbrace{SNDM}} \underbrace{GMGM}_{\underbrace{GMGM}} \underbrace{GMGS}_{\underbrace{GMGS}} \underbrace{MDND}_{\underbrace{MDND}} \underbrace{\dot{S}NDM}_{\underbrace{\dot{S}NDM}} \underbrace{\dot{S}NDM}_{\underbrace{\dot{S}NDM}} \underbrace{GMGS}_{\underbrace{GMGS}}$   
 $(\underbrace{\dot{S}-N-}_{\underbrace{\dot{S}-N-}} \underbrace{DMD-}_{\underbrace{DMD-}} \underbrace{G-M-}_{\underbrace{G-M-}} \underbrace{GG-}_{\underbrace{GG-}})^2 (\underbrace{MGMGS-}_{\underbrace{MGMGS-}})^2$
3.  $\underbrace{\dot{S}\dot{G}\dot{S}N}_{\underbrace{\dot{S}\dot{G}\dot{S}N}} \underbrace{\dot{S}NDM}_{\underbrace{\dot{S}NDM}} \underbrace{\dot{S}NDM}_{\underbrace{\dot{S}NDM}} \underbrace{GMGS}_{\underbrace{GMGS}} \underbrace{SGMD}_{\underbrace{SGMD}} \underbrace{NDMG}_{\underbrace{NDMG}} \underbrace{MDND}_{\underbrace{MDND}} \underbrace{\dot{S}-\dot{S}-}_{\underbrace{\dot{S}-\dot{S}-}}$   
 $(\underbrace{DNSN}_{\underbrace{DNSN}} \underbrace{DNNDM}_{\underbrace{DNNDM}} \underbrace{GMDM}_{\underbrace{GMDM}} \underbrace{GMGS}_{\underbrace{GMGS}})^2 (\underbrace{GMGGS-}_{\underbrace{GMGGS-}})^2$
4.  $\underbrace{\dot{S}-N-}_{\underbrace{\dot{S}-N-}} \underbrace{\dot{S}NDM}_{\underbrace{\dot{S}NDM}} \underbrace{N-D-}_{\underbrace{N-D-}} \underbrace{NDMG}_{\underbrace{NDMG}} \underbrace{D-M-}_{\underbrace{D-M-}} \underbrace{DMGS}_{\underbrace{DMGS}} \underbrace{D-M-}_{\underbrace{D-M-}} \underbrace{DMGS}_{\underbrace{DMGS}}$   
 $\underbrace{SGM-}_{\underbrace{SGM-}} \underbrace{GMD-}_{\underbrace{GMD-}} \underbrace{MDN-}_{\underbrace{MDN-}} \underbrace{NDMG}_{\underbrace{NDMG}} \underbrace{GMD-}_{\underbrace{GMD-}} \underbrace{MDN-}_{\underbrace{MDN-}} \underbrace{NDS-}_{\underbrace{NDS-}} \underbrace{NDS-}_{\underbrace{NDS-}}$   
 $(\underbrace{NDNDS-}_{\underbrace{NDNDS-}})^2$
5.  $\underbrace{\dot{S}\dot{G}\dot{S}N}_{\underbrace{\dot{S}\dot{G}\dot{S}N}} \underbrace{\dot{S}NDM}_{\underbrace{\dot{S}NDM}} \underbrace{DNNDM}_{\underbrace{DNNDM}} \underbrace{GMGS}_{\underbrace{GMGS}} \underbrace{SGMD}_{\underbrace{SGMD}} \underbrace{GMDN}_{\underbrace{GMDN}} \underbrace{MDND}_{\underbrace{MDND}} \underbrace{NDS-}_{\underbrace{NDS-}}$   
 $\underbrace{NDS-}_{\underbrace{NDS-}} \underbrace{\dot{S}NDM}_{\underbrace{\dot{S}NDM}} \underbrace{GMD-}_{\underbrace{GMD-}} \underbrace{DMGS}_{\underbrace{DMGS}} (\underbrace{M-G-}_{\underbrace{M-G-}} \underbrace{MGS-}_{\underbrace{MGS-}})^2 (\underbrace{MGMGS-}_{\underbrace{MGMGS-}})^2$
6.  $(\underbrace{GMDN}_{\underbrace{GMDN}} \underbrace{\dot{S}NDM}_{\underbrace{\dot{S}NDM}} \underbrace{GMDM}_{\underbrace{GMDM}} \underbrace{GMGS}_{\underbrace{GMGS}})^2 \underbrace{SGSG}_{\underbrace{SGSG}} \underbrace{GMGM}_{\underbrace{GMGM}} \underbrace{MDDM}_{\underbrace{MDDM}} \underbrace{D-D-}_{\underbrace{D-D-}}$   
 $\underbrace{GMGM}_{\underbrace{GMGM}} \underbrace{MDMD}_{\underbrace{MDMD}} \underbrace{DNND}_{\underbrace{DNND}} \underbrace{\dot{S}-\dot{S}-}_{\underbrace{\dot{S}-\dot{S}-}} (\underbrace{\dot{S}-NDS-}_{\underbrace{\dot{S}-NDS-}})^2$



HINDOL Dhrut Gat Todas starting from <sup>x</sup> (continued)

5. G MM D > N DD Ṥ > Ṥ NN D M G MM G S  
 Ḍ ṆṆ ḌḌ SS G MM GG MM M DD MM DD D NN DD ṤṤ  
 Ṥ NN D > N DD M > D MM G > M GG S >  
 Ḍ SS G M D > D > G MM N D Ṥ > Ṥ > (MDND Ṥ-)<sup>2</sup>

6. D NN D Ṥ Ṥ NN D M M DD M D G MM G S  
 Ḍ SS G > S GG M > G MM D > M DD N >  
 G MM D > M DD N > N DD Ṥ > N DD Ṥ >  
 (Ṥ NN D M G MM G S)<sup>2</sup> (GMGGS-)<sup>2</sup>

HINDOL Dhnut Gat Jhala starting from <sup>x</sup>

(M--- G--- S--- S---)2 (Ḍ--- S--- Ṇ- Ḍ- Ṃ---)2

(Ṃ- Ḍ- Ṇ- Ḍ- M- G- S---)2

(Ḍ--- S--- G--- M--- G--- M--- G--- S---)2

(Ḍ- S-- G-- M-- G- M- G-- M-- G-- S-- Ḍ- S-)2

(Ḍ--- S--- G--- M--- G- M- G--- S--- S---)2

(Ḍ- S- G- M- D--- D--- G- M- G- S- Ṇ- Ḍ- S---)2

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

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

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

(Ḍ--- S--- G--- M--- N--- D--- Ṣ́--- Ṣ́---)2

(D--- Ṣ́--- Ġ--- Ṣ́---)2 (Ġ--- Ṣ́--- N- D- Ṣ́---)2

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

(Ḍ--- S--- G--- M--- N--- D--- Ṣ́--- Ṣ́---)2

(D- D- Ṣ́--- Ġ- Ġ- Ṣ́---)2

(Ṣ́-- N-- D-- M-- G- M- G-- M-- G-- S-- Ḍ- S-)2

(Ḍ- S- G- M- D--- D---)2

(Ḍ- S- G- M- D---)2 Ḍ- S- G- M- <sup>x</sup>D



## MEEND Practice Lessons :

1.  $\widehat{SR} \quad \widehat{RG} \quad \widehat{GM} \quad \widehat{MP} \dots \widehat{NS}$  and back.  
 $d \quad d \quad d \quad d \quad d$
2.  $\widehat{SR} \quad \widehat{RS} \quad \widehat{RG} \quad \widehat{GR} \quad \widehat{GM} \quad \widehat{MG} \dots \widehat{NS} \quad \widehat{SN}$  and back.  
 $d \quad d \quad d \quad d \quad d \quad d \quad d \quad d$
3.  $\widehat{SRG} \quad \widehat{RGM} \quad \widehat{GMP} \dots \widehat{DNS}$  and back.  
 $d \quad d \quad d \quad d$
4.  $\widehat{SRG} \quad \widehat{GRS} \quad \widehat{RGM} \quad \widehat{MSR} \dots \widehat{DNS} \quad \widehat{SND}$  and back.  
 $d \quad d \quad d \quad d \quad d \quad d$
5.  $\widehat{SR} \quad \widehat{RG} \quad \widehat{RG} \quad \widehat{RS} \quad \widehat{RG} \quad \widehat{GM} \quad \widehat{GM} \quad \widehat{GR} \dots \widehat{NS} \quad \widehat{SR} \quad \widehat{SR} \quad \widehat{SN} \dots$   
 $d \quad r \quad d \quad d \quad d \quad r \quad d \quad r \quad d \quad d \quad d \quad r \quad d \quad r \quad d \quad d \quad d \quad r$
6.  $\widehat{SR} \quad \widehat{SG} \quad \widehat{RG} \quad \widehat{RG} \quad \widehat{RS} \quad \widehat{RG} \quad \widehat{RM} \quad \widehat{GM} \quad \widehat{GM} \quad \widehat{GR} \dots$   
 $d \quad r \quad d \quad r \quad d \quad d \quad d \quad r$
7.  $\widehat{PDP} \quad \widehat{DND} \quad \widehat{NSN} \quad \widehat{SRS} \dots$   
 $d \quad r \quad d \quad r \quad d \quad r \quad d \quad r$
8.  $\widehat{PD} \quad \widehat{PD} \quad \widehat{P} \quad \widehat{DNDND} \quad \widehat{NSNSN} \dots$   
 $d \quad r \quad d \quad d \quad r \quad d \quad d \quad r \quad d$
9.  $\widehat{PD} \quad \widehat{PD} \quad \widehat{PD} \quad \widehat{P} \quad \widehat{DNDNDND} \quad \widehat{NSNSNS} \quad \widehat{N} \dots$   
 $d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r$
10.  $\widehat{NSNS} \quad \widehat{SRSR} \quad \widehat{RGRG} \quad \widehat{GMGM} \dots$   
 $d \quad r \quad d \quad r \quad d \quad r \quad d \quad r$
11.  $\widehat{DNS} \quad \widehat{SS} \quad \widehat{DNNS} \quad \widehat{NSRR} \quad \widehat{NSSR} \dots \widehat{DNS} \quad \widehat{DNNS}$   
 $d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r$   
 $\widehat{SND} \quad \widehat{NS-ND} \quad \widehat{NNDP} \quad \widehat{DN-DP} \dots \widehat{SSND} \quad \widehat{NS-ND}$   
 $d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r \quad d \quad r$

## KRINTAN Practice Lessons

1.  $\overset{d}{\underbrace{RS}} \ \overset{d}{\underbrace{RS}} \quad \overset{d}{\underbrace{GR}} \ \overset{d}{\underbrace{GR}} \quad \overset{d}{\underbrace{MG}} \ \overset{d}{\underbrace{MG}} \quad \dots \quad \overset{d}{\underbrace{SN}} \ \overset{d}{\underbrace{SN}} \quad \overset{d}{\underbrace{RS}} \ \overset{d}{\underbrace{RS}}$

2.  $\overset{d}{\underbrace{RSN}} \quad \overset{d}{\underbrace{GRS}} \quad \overset{d}{\underbrace{MGR}} \quad \dots \quad \overset{d}{\underbrace{SND}} \quad \overset{d}{\underbrace{RSN}}$

3.  $\overset{d}{\underbrace{RSNS}} \quad \overset{d}{\underbrace{GRSR}} \quad \overset{d}{\underbrace{MGRG}} \quad \dots \quad \overset{d}{\underbrace{SNDN}} \quad \overset{d}{\underbrace{RSNS}}$

4.  $\overset{d}{\underbrace{RSRSNS}} \quad \overset{d}{\underbrace{GRGRSR}} \quad \dots \quad \overset{d}{\underbrace{RSRSNS}}$

5.  $\overset{d}{\underbrace{RSN}} \text{-} \overset{d}{\underbrace{S}} \quad \overset{d}{\underbrace{GRS}} \text{-} \overset{d}{\underbrace{R}} \quad \overset{d}{\underbrace{MGR}} \text{-} \overset{d}{\underbrace{G}} \quad \dots \quad \overset{d}{\underbrace{RSN}} \text{-} \overset{d}{\underbrace{S}}$

6.  $\overset{d}{\underbrace{RSRSNS}} \quad \overset{d}{\underbrace{GRGRSR}} \quad \dots \quad \overset{d}{\underbrace{RSRSNS}}$

7.  $\overset{d}{\underbrace{NRSRSNS}} \quad \overset{d}{\underbrace{SGRGRSR}} \quad \dots \quad \overset{d}{\underbrace{NRSRSNS}}$   
 $\overset{d}{\underbrace{dardada}} \quad \overset{d}{\underbrace{dardada}} \quad \overset{d}{\underbrace{dardada}}$

# YAMAN (detailed)

## Vilambit Gat in Teentaal (Shayi)

<sup>12</sup>  
 GG, RGR, RSN-S, RSN, R>

<sup>x</sup>  
 G, G, G>, RR, Gm'G, m'm'

DPm'P, m', RG, R, RSNs

<sup>12</sup>  
 GG, RGR, RSN-S, RSN, D>

<sup>x</sup>  
 D.N, D, DPm'P, m'm, DND, NN

R, Gm'P, G, R, RSNs

YAMAN      Antara

$\left( \begin{array}{cccccc} \overset{12}{\overbrace{PM'DP}} & m' > & GG & m' & D > \\ \times \overbrace{DNS} & \dot{s} & \dot{s} > & \overbrace{SNRS} & N & RR \\ \dot{g} > & \overbrace{GM'P} & \dot{g} & R & \dot{s} > \end{array} \right) 2$

$\overset{12}{\overbrace{SNRS}} \quad N \quad DD \quad N > \quad \dot{s} >$

$\times N > \quad D > \quad P > \quad \overbrace{PM'DP} \quad m' > \quad GG$

$R > \quad \overbrace{GM'P} \quad \dot{g} \quad R > \quad \overbrace{RSNS}$



# YAMAN-Vistar

1. <sup>x</sup> S SS S S N SS N RSNS  
 DND N RSNS

2. <sup>x</sup> R RR R R DND NN R R  
 RSN R RSNS

3. <sup>x</sup> G GG G G RSN RR G G  
 RG R RSNS

4. <sup>x</sup> M mm m m RGR mm m G  
 DPM DND NR

5. <sup>x</sup> GMP PP P P Gmg MM PP  
 RMR RGR RSNS

6. <sup>x</sup> D DD D D DPM RR RSN D  
 DND DR RSNS

7. <sup>x</sup> N NN N N DPM NN N P  
 DPM GRGR RSNS

# YAMAN Barhat Tans

1. <sup>x</sup> NS NS ND DN SN DP MD NR  
 -G -B S-

2. <sup>x</sup> NR RG RG RS NN N DDD R-  
 G -GR -RS -

3. <sup>x</sup> DPM- DN RG RN -GGG RG RS  
 ND ND NR

4. <sup>x</sup> N-R R-m m-N G-R  
 da-r  
 G-RNDM-N-DMGR-D-MGRS-

5. <sup>x</sup> RSN- DPM- DN NRN DPMP  
 RG MN D- (P-m R-) 2 G-RS

6. RG RS NR SN SN DP MD NR  
 GR S- NR

# YAMAN Tishram

1. <sup>x</sup> NRG RGM GMD N-- D-G RND  
M-N DMR (GRS) 3

2. <sup>x</sup> DNS SND GMP PMG DNS SND  
PMG RGRS RGRS RGRS

3. NNN RRR GMD N--  
(RND MGR S--) 2 GRS

4. GRG GRG GRN RG-  
NDN NDN NDP MG- PMG RS- GRS

5. NRNDMG RGG RND NDM DMG  
RGRS RGRS RGRS GRS

6. NRG RGM GMD PMP RGM GMD MDN  
SNS SND P-M GRS

*Handwritten signature*



YAMAN Chatushram Taans

1.  $\overset{x}{NRGR} \underset{\curvearrowright}{GMPM} \underset{\curvearrowright}{NDPM} \underset{\curvearrowright}{GRS-}$   
 $(\underset{\curvearrowright}{NRGR} \underset{\curvearrowright}{GMPM} \underset{\curvearrowright}{NDPM})_2 \underset{\curvearrowright}{GRS-}$

2.  $\overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{NR} \underset{\cdot}{G} \underset{\cdot}{M} \underset{\cdot}{P} \underset{\cdot}{M} \underset{\cdot}{GR} \underset{\cdot}{G} \underset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{N} \overset{\cdot}{S} \overset{\cdot}{NDP} \overset{\cdot}{MP}$   
 $\underset{\cdot}{G} \underset{\cdot}{M} \underset{\cdot}{P} \underset{\cdot}{M} (\overset{\cdot}{G} \overset{\cdot}{R} \overset{\cdot}{S} \overset{\cdot}{NDP} \overset{\cdot}{M} \overset{\cdot}{GRS})_2$

3.  $\overset{\cdot}{NR} \overset{\cdot}{G} \overset{\cdot}{R} \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{NR}$   
 $(\overset{\cdot}{G} \overset{\cdot}{R} \overset{\cdot}{S} \overset{\cdot}{NDP} \overset{\cdot}{M} \overset{\cdot}{GRS})_3$

4.  $\overset{\cdot}{GRS} \overset{\cdot}{NDP} \overset{\cdot}{NDP} \overset{\cdot}{M} \overset{\cdot}{GR} \overset{\cdot}{GR} \overset{\cdot}{NDP}$

$\overset{\cdot}{NR} \overset{\cdot}{GR} \overset{\cdot}{S} - \overset{\cdot}{S} - \overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{NDP} - \overset{\cdot}{P} - \overset{\cdot}{NR} \overset{\cdot}{GRS} - \overset{\cdot}{S} - \overset{\cdot}{NR}$

5.  $\overset{\cdot}{NR} \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{R} \overset{\cdot}{S} \overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{N} \overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{NR}$   
 $(\overset{\cdot}{G} \overset{\cdot}{R} \overset{\cdot}{S} \overset{\cdot}{NDP} \overset{\cdot}{M} \overset{\cdot}{GRS} \overset{\cdot}{NR} \overset{\cdot}{GR})_2$

6.  $\overset{\cdot}{NR} \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{P} \overset{\cdot}{M} \overset{\cdot}{GR} \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{N} \overset{\cdot}{S} \overset{\cdot}{NDP}$   
 $(\overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{NR} \overset{\cdot}{GR} \overset{\cdot}{S} \overset{\cdot}{NDP} \overset{\cdot}{M} \overset{\cdot}{GRS})_2$

7.  $\overset{\cdot}{GRS} \overset{\cdot}{GRS} \overset{\cdot}{GRS} \overset{\cdot}{NDP} \overset{\cdot}{NDP} \overset{\cdot}{NDP} \overset{\cdot}{M} \overset{\cdot}{GR}$   
 $\overset{\cdot}{GRS} \overset{\cdot}{GRS} \overset{\cdot}{GRS} \overset{\cdot}{NDP} \overset{\cdot}{M} \overset{\cdot}{GRS} \overset{\cdot}{NR} \overset{\cdot}{GR}$

8.  $\overset{\cdot}{GR} \overset{\cdot}{NR} \overset{\cdot}{G} - \overset{\cdot}{P} \overset{\cdot}{M} \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{P} - \overset{\cdot}{N} \overset{\cdot}{D} \overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{N} - \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{N} \overset{\cdot}{S} -$   
 $\overset{\cdot}{NR} \overset{\cdot}{GR} \overset{\cdot}{S} \overset{\cdot}{NDP} \overset{\cdot}{M} \overset{\cdot}{GRS} \overset{\cdot}{NR} \overset{\cdot}{GR} \overset{\cdot}{G} - \overset{\cdot}{NR}$



# YAMAN Shrut Gat in Teentaal

\* G- -G G R G mm P D

° P m GG RR G RS N-R  
 da r da

\* GG RR G- GR -R S NN RR

° S SN D NN D DP M-P  
 da r da

\* m DD N R G mm P D

° P m GG RR G RS N-R  
 da r da

# YAMAN Shrut gat Tans

1.  $^{\circ}(\underline{NRGM} \underline{PM} \underline{QR})_2$

2.  $^{\circ}(\underline{PMQR})_3 \cdot \underline{GRNR}$

3.  $^{\circ}NRG - RGM - MDN - PMQR$

4.  $^{\circ}(\underline{GRNRQ-})_2 \underline{GRNR}$

5.  $^{\circ}SNDP \underline{NDPM} \underline{DPMQ} \underline{PMQR}$

6.  $^{\circ}GRSN \underline{DPMD} \underline{NDPM} \underline{GRNR}$

7.  $^{\times}(\underline{NR} \underline{GMPM} \underline{QRNRQ-})_2 \underline{NRQMPMQR}$

8.  $^{\times}(\underline{NR} \underline{QMPM} \underline{QRG-NRQ-})_2 \underline{NRQR}$

9.  $^{\times} \underline{NRQMPMQR} \underline{QMDNSNDP}$   
 $\underline{MDNRGRSN} \underline{DPMQRSNR}$

10.  $^{\times}(\underline{GRNRQ-Q-})_2 (\underline{PMQMP-P-})_2$

$(\underline{NDMDN-N-})_2 (\underline{GRNRQ-Q-})_2$

$(\underline{GRSN} \underline{DPMD} \underline{NDPM} \underline{GRNR})_2$

YAMAW Dhout Gat Taans Continued

11.  $\overset{x}{\underbrace{NNNR}} \text{GRS} - \text{NRGRS} - - - \overset{x}{\underbrace{MMMMNDP}} - \text{NRGRS} - - -$

$(\text{NRGRSNDP MDND PMGR})^2$

12.  $\overset{\cdot}{RGRG} \overset{\cdot}{NRNR} \text{DNDN MDMD} \text{DNDN MDMD} \text{GMGM RGRG}$

$(\overset{\cdot}{N} - \overset{\cdot}{R} - \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{P} - \overset{\cdot}{G} - \overset{\cdot}{M} - \overset{\cdot}{D} \overset{\cdot}{N} \overset{\cdot}{S} - )^2$

13.  $\overset{\cdot}{D} \overset{\cdot}{N} \overset{\cdot}{S} \overset{\cdot}{N} \text{DPMG} \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{P} \overset{\cdot}{M} \text{GRNR}$

$\overset{\cdot}{D} \overset{\cdot}{N} \overset{\cdot}{S} \overset{\cdot}{N} \text{DPM} \overset{\cdot}{D} \text{PMGR PMGR}$

14.  $(\overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{N} \overset{\cdot}{R} \overset{\cdot}{G} \overset{\cdot}{R} \overset{\cdot}{S} - )^2 (\overset{\cdot}{N} \overset{\cdot}{R} \overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{P} \overset{\cdot}{M} \overset{\cdot}{P} - )^2$

$(\overset{\cdot}{G} \overset{\cdot}{M} \overset{\cdot}{D} \overset{\cdot}{N} \overset{\cdot}{S} \overset{\cdot}{N} \overset{\cdot}{S} - )^2 (\overset{\cdot}{S} \overset{\cdot}{N} \overset{\cdot}{D} \overset{\cdot}{P} \overset{\cdot}{M} \overset{\cdot}{G} \overset{\cdot}{R} \overset{\cdot}{S} )^2$

15.  $\overset{\cdot}{NRG} - \overset{\cdot}{NRG} - \overset{\cdot}{NRGRSNDP} \text{MDN} - \text{MDN} - \text{MDNDPMGR}$

$\overset{\cdot}{NRG} - \overset{\cdot}{NRG} - \overset{\cdot}{NRGRSNDP} \overset{\cdot}{MDNRGRS} - \overset{\cdot}{PMGRGRNR}$

16.  $\overset{\cdot}{NRNR} \text{RGRG} \text{GMGM MDMD} \text{GMGM MDMD} \text{DNDN NRNR}$

$(\overset{\cdot}{GRSND} - \overset{\cdot}{P} - \overset{\cdot}{PMGR} \overset{\cdot}{S} - - - )^2$



# YAMAN Todas

1. <sup>x</sup> N SS N S D NN D N R G mm PP R-G R-R S  
 m PP m P G mm G M D N S'S NN D-N D-D P  
 N RR G R m DD N D N DD P M G RR N R
  
2. <sup>x</sup> N RR G R S NN D P m DD N R G RR S >  
 N RR G M R GG m D G mm D N D NN S >  
 (G RR S' N D > P > P mm G R S > S >) 2
  
3. <sup>x</sup> (N SS N RS RS NS) 2 N DD N R  
 (G mm G DP DP MP) 2 m GG m D  
 RSN'S NN DPMP mm RR GG R-RS-S GG R RSN-R
  
4. <sup>x</sup> N RR G > N RR G m R GG m > R GG m D  
 m DD N > m DD N R G RR S > N DD P >  
 (P mm G R G RR N R) 2 (G RR N R) 2 (P mm G R) 2
  
5. <sup>x</sup> N RR G R S NN D P P > m > G > R >  
 N RR G > R GG m > G mm D > m DD N >  
 D NN R > N RR G > G RR S' N D > P >  
 (N RR G m P mm G R) 2

# YAMAN Thala

x N (da ra diri diri) 4

x (D. --- N. --- S. --- S. ---) 2

x R (1 - v v) 4

x (D. --- N. --- S. --- S. ---) 2

x m (1 - v v) D (1 - v v) N (1 - v v) 2

x (D. --- N. --- S. --- S. ---) 2

x (N. --- S. --- R. --- S. ---) 2

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

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

x (N --- R --- G --- R --- G - m -  
G - m - P --- P --- P ---) 2

x (m --- n --- D --- N ---  
m --- D --- P --- P ---) 2



# YAMAN Jhala Continued

$$^x M(1-vv) D(1-vv) N(1-vv) 2$$

$$^x (D \text{ --- } N \text{ --- } \dot{S} \text{ --- } \dot{S} \text{ ---}) 2$$

$$^x (N \text{ --- } \dot{S} \text{ --- } \dot{R} \text{ --- } \dot{S} \text{ ---}) 2$$

$$^x \begin{pmatrix} N \text{ --- } \dot{G} \text{ --- } \dot{R} \text{ --- } \dot{G} \text{ ---} \\ N \text{ --- } \dot{R} \text{ --- } \dot{S} \text{ --- } \dot{S} \text{ ---} \end{pmatrix} 2$$

$$^x \begin{pmatrix} N \text{ --- } \dot{R} \text{ --- } \dot{G} \text{ --- } \dot{R} \text{ --- } \dot{G} \text{ ---} \\ N \text{ --- } \dot{R} \text{ --- } \dot{S} \text{ --- } \dot{S} \text{ ---} \end{pmatrix} 2$$

$$^x \begin{pmatrix} N \text{ --- } \dot{R} \text{ --- } \dot{G} \text{ --- } \dot{P} \text{ --- } \dot{G} \text{ ---} \\ N \text{ --- } \dot{R} \text{ --- } \dot{S} \text{ --- } \dot{S} \text{ ---} \end{pmatrix} 2$$

$$^x \begin{pmatrix} \dot{P} \text{ --- } \dot{M} \text{ --- } \dot{G} \text{ --- } \dot{R} \text{ --- } \dot{S} \text{ ---} \\ D \text{ --- } N \text{ --- } D \text{ --- } P \text{ --- } M \text{ ---} \end{pmatrix} 2$$

$$^x \begin{pmatrix} M \text{ --- } N \text{ --- } D \text{ --- } N \text{ ---} \\ M \text{ --- } D \text{ --- } P \text{ --- } P \text{ ---} \end{pmatrix} 2$$

$$^x \begin{pmatrix} G \text{ --- } M \text{ --- } D \text{ --- } N \text{ ---} \\ \dot{S} \text{ --- } \dot{S} \text{ --- } \dot{S} \text{ --- } \dot{S} \text{ ---} \end{pmatrix} 2$$

$$^x (\dot{R}\dot{G}\dot{R}\dot{G} \text{ NR NR DN DN MD MD GM GM RG RG NR NR S-S-} \overset{2}{\text{S}})$$

$$^y ND PM GR S- \overset{2}{N} \overset{2}{N} \overset{2}{N} \overset{2}{R} \overset{2}{R} \overset{2}{R} \overset{2}{G} \overset{2}{G} \overset{2}{R} \overset{2}{R} \overset{2}{G} \text{ --- } MD PM GR S-$$

$$^y \left( \overset{2}{N} \overset{2}{N} \overset{2}{N} \overset{2}{R} \overset{2}{R} \overset{2}{R} \overset{2}{G} \overset{2}{R} \overset{2}{G} \text{ --- } \right) 2 \quad \overset{2}{N} \overset{2}{N} \overset{2}{R} \overset{2}{R} \overset{2}{R} \overset{2}{G} \overset{2}{R} \overset{2}{G} \overset{2}{G}$$