



परिशिष्ट



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I h , . M v k b z	&	e k i n . M v k s I p d
I h v k s 1 / 4 Q 1 / 2	&	I e l o ; d 1 / 4 f o / k k 1 / 2
I h i h i h	&	n s k t H k k x h n k j h d k ; O e
I h i h V h	&	d B M h v s / l y l V h
I h v k j v k b z M h ,	&	d n h ; v u d U / k k u I a F k k u ' k t d H k k e d f " k



I h , l , e l h vkj vkbZ &	dnh; yo.k vks l eph j l k; u vud U/kku l h.Fkku
I h , l vkbZvkj &	oKkfud , oavks  kfxd vud akku i fj "kn-
I h , l vks &	dardh; chtksl ku
I h Vh &	da/vj Vhp
I h Vh i h , l &	pnj i jk FkeY i koj LVs ku
Mh ch , p &	Nkrh dh Apkbzi j 0; kl
Mh ch Vh &	tSi ksl kfxdh foHkx
Mh l h , Q &	mi ou l j {kd
Mh bZ , e vks &	i n'ku
Mh , u , p &	nknj , oakxj gosyh
Mh Mh th &	mi egkfunskd
Mh , Q vkbZMh &	varjkZVh; fodkl foHkx
Mh th &	egkfunskd
Mh , u , &	MdI ksjckU; dyd vEy
Mh , u Vh i h &	fM; kDI hckskdyks/kbM VrbZkMOS/
Mh , l , bZ &	Mh , l d'k l Ei nk i kbZ/ fyfeVM
Mh , l Vh &	foKku , oai ksl kfxdh foHkx
Mh ; w , l &	fof'k"Vrk , d: i rk LFkkB
Mh oh &	i n'ku xte
Mh oh l h &	nkeknj ?kkVh dkj i kjs ku
bZch l h fMfotu &	i kfjLFkfrdh , oatBfofo/krk l j {k. k i Hkx
bZl h &	fofue; ; kx; {kerk
bZl h &	fo   r l pkydrk
bZvkbZ , &	i ; kbj . kh; i Hkko vkdyu
b&esy &	byDVkud esy
bZ , e &	i ; kbj . k i cak
bZ , e i h &	i ; kbj . k i cak ; kst uk
bZ , u oh vkbZ , l &	i ; kbj . kh; l puk i ) fr
bZi h , u &	dhVjks tud l = dfe
bZvkj , l &	i ; kbj . kh; vud U/kku LVs ku
bZVh i h &	l epk i frjks . k
bZMcy; wvkbZ &	Hkfe fuxj kuh l h.Fkku
, Q , , l &	foYkh; , dkmfUVx i ) fr
, Q Mh , &	ou fodkl fudk;
, Q bZMh &	ou i kfjLFkfrdh i Hkx
, Q th Vh ch &	ou vkuof' kdh , oao{k i ztuu
, Q i h Mh &	ou j {k. k i Hkx
, Q , e , l fMfotu &	ou i cak , oaou l w/kZ i Hkx
, Q i h vks &	[kk   mRi kn Js kh
, Q vkj l h &	ou vud U/kku dnh
, Q vkj vkbZ &	ou vud U/kku l h.Fkku
, Q vkj vks &	ou jat vf/kdkjh
, Q , l &	jskk l keF; Z





, Q , l vkbZ	&	Hkkj rh; ou l o{k.k
, Q Vh ,	&	ou i f' k{k.k vdkneh
, Q Vh&vkbZvkj	&	Qksj ; j Vrh.QkeZba'kjM
, Q 0; kbZ , e	&	QkeZ; kMZ [ kkn
th	&	xMksuh
th ,	&	ftofyd vEY
th ch , p	&	Nkrh dh ÅpkbZi j o{k dk ?kj k
th l h ,	&	l kekU; l a kst u {kerk
th l h@ , e , l	&	xS ØkeVkskQh ekl Li DVkehVh
th l h oh	&	ofo/; dk thuks/kbZi d dkbMQhl b/
th bZbZvkj	&	xqtjkr i kfj ræh; f' k{k.k , oavud U/kku
th , Q Mh	&	xqtjkr ou foHkkx
th , Q vkj l h	&	xqtjkr ou jat l ZdkWyst
th vkbZ , l	&	HkkSkfsyd l ipuk danz
th , y l h	&	xS fyfDoM dkjesVkskQ
th vksvkbZ	&	Hkkj r l jdkj
th , l , Q Mh	&	xqtjkr jkT; ou foHkkx
th , l , Q Mh l h	&	xqtjkr jkT; ou fodkl fuxe
th i h , l	&	Xyky i kst h' kfuak i ) fr
th ; wvkbZ	&	xtQhdy ; ut l ZbZjQs
, p , vkj ih	&	m   ku df'k , oadf'k okfudh vud U/kku dk; Øe
, p , u ch	&	georh unu cgqk kx <oky fo' ofo   ky;
, p ih	&	fgekpy i n'sk
, p ih , y l h	&	mPp nð; o.kZoKku
, p ih , y l h	&	mPp 'kfDr nð; o.kZoKku
, p ih , y l h	&	mPp fu"i knð nð; o.kZoKku
, p vkj Mh	&	ekuo l d k/ku fodkl
, p , l l h , l Vh	&	gfj ; k.kk jkT; ] foKku , oai kSj kfxdh i fj "kn-
vkbZ , ,	&	bUMksy , fl fVd , fl M
vkbZch ,	&	bUMksy C; fV'd , fl M
vkbZl h , Q vkj bZ	&	Hkkj rh; okfudh vud U/kku , oaf' k{k.k i fj "kn-
vkbZl h Vh	&	l ipuk , oal pkj i kSj kfxdh
vkbZMh vkj l h	&	varjkZVh; fodkl vud U/kku danz
vkbZ , Q th Vh ch	&	ou vkuqf' kdh , oao{k i ztuu l l.Fkku
vkbZ , Q ih	&	ou mRi knðrk l l.Fkku
vkbZ , Q vkj vkbZ , l	&	Hkkj rh; okfudh vud U/kku l ipuk i ) fr
vkbZth , ; w	&	banjk xkakh df'k fo' ofo   ky;
vkbZth , u ih	&	banjk xkakh ugj i fj ; kst uk
vkbZvkbZvkj l h	&	Hkkj rh; l ipj l onu l l.Fkku
vkbZvkbZ , u vkj th	&	Hkkj rh; i kdfrd jftu , oaxkn l l.Fkku
vkbZ , y vkj vkbZ	&	Hkkj rh; yk [k vud U/kku l l.Fkku
vkbZ , l , l vkj	&	var%l k/kkj .k vuqJo.k vkofr
vkbZ , l , e	&	Hkkj rh; [kuu Ldny



vkbZVh	&	I p u k i k s   k f x d h
vkbZVh Vh vks	&	v r j k Z V h ; m " . k d f V c d h ; i z k " B I a B u
vkbZMcy ; w , I Vh	&	d k " B f o K k u , o a i k s   k f x d h I a F k k u
ts, Q , e l h	&	I a Ø r o u i z d k u I f e f r
ts, Q , e	&	I a Ø r o u i z d k u
ts, u d s o h o h	&	t o k g j y k y u g : d f " k f o ' o f o   k y ;
ts, I , Q M h I h , y	&	> k j [ k . M j k T ; o u f o d k l d k i k j s k u f y f e V M
ds o h d s	&	d f " k f o K k u u s / o d Z
, y , , u	&	L F k k u h ; { k s = u s / o d Z
, y l h	&	? k k r d I l n r k
, y & M h v k s i h ,	&	, y & 3 ] 4 & f M g k b M R D I h f O u h y s s u k b u
, e , M h i h	&	v k S k / k h ; I j f h k r , o a j a t d i k n i
, e , i h	&	v k S k / k h ; I j f h k r i k n i
, e M h	&	i z d k f u n s k d
, e t h	&	e s k x t e ¼ 1 0 6 x t - ½
, e d s ; w	&	e n j s z d k e j k t f o ' o f o   k y ;
, e , y ,	&	f o / k k u I H k k I n L ;
, e , e , l	&	m i k l r f j r e j k f l x , o a L d w k
, e v k s b Z , Q	&	i ; k b j . k , o a o u e a = k y ;
, e v k s b Z	&	i R ; k L ; r k x q k k a d
, e v k s v k j	&	i R ; k L ; r k i f r j k s k
, e v k s ; w	&	I e > k s k K k i u
, E k v k s M c y ; w v k j	&	t y l a k / k u e a = k y ;
, e i h	&	e / ; i n s k
, E k i h l h ,	&	v k S k / k h ; i k n i I j { k . k { k s =
, e i h , Q M h	&	e / ; i n s k o u f o h k k x
, e i h , e , Q i h	&	e / ; i n s k x k S k o u m i t
, e i h , l c h M h c h	&	e / ; i n s k j k T ; t s f o f o / k r k c k M Z
, e , l	&	e g k j k " V a
, e V h b Z	&	e / ; k o f / k e W ; k a d u
, e M c y ; w	&	e k b Ø k o o
, u , ,	&	u s F k k , I h f V d , f l M
, u , c h , v k j M h	&	j k " V h ; d f " k , o a x t e h . k f o d k l c d
, u , i h	&	j k " V h ; o u h d j . k d k ; Ø e
, u c h , e	&	j k " V h ; c k d f e ' k u
, u c h i h t h v k j	&	j k " V h ; i k n i v k u p a k h ; v u d U / k k u d k ; k z y ;
, u c h v k j v k b Z	&	j k " V h ; o k u l i f r d v u d U / k k u I a F k k u
, u , Q , y v k b Z l h	&	j k " V h ; o u i Ø r d k y ; , o a l p u k d n z
, u , Q V h	&	u k b V k s t u L F k k b Z j o f k
, u t h v k s	&	x s j l j d k j h I a B u
, u , e c h ,	&	c k d v u d z k s i j j k " V h ; f e ' k u
, u , e i h c h	&	j k " V h ; v k S k / k h ; i k n i c k M Z
, u i h d s	&	u k b V k s t u O k L O k j I & i k s / f ' k ; e



, u Vh , Q ih	&	vdk"Bh; ou mRi kn
, u MGY; w, Q ih	&	xj dkl"Bh; ou mRi kn
, u vkj l h	&	jk"Vh; vuq U/kku dlnz
, u vkj l h , , Q	&	jk"Vh; dlf"k okfudh vuq U/kku dlnz
vksch l h	&	vU; fi NMh t kfr; h
vks, l vkj	&	vkWb LVS ku vuq U/kku
i h l h l h , Q	&	i z'kku ed; ou l j {kd
i h l h vkj	&	i kW/hejst pu vfhkØ; k
i h l h oh	&	Ohuks/kbzi d dkbOhl w vkQ ofj; s ku
i h Mh ,	&	i ks/s/ksMDVkd vxkj
i h Mh ch l h	&	t hofokku fu; æ . k i fj ; kst uk funs kky;
i h Mh dsoh	&	MkW i kat kcjkvksns ked k dlf"k fo   ki hB
i h vkbz , e , l	&	dkfed l p u k i z'aku i ) fr
i h , e , l	&	i j kW i z'aku i ) fr
i h , l ch	&	OkWQV foy s u cdVhfj ; k
i h , Q ,	&	[kk   feykoV jkdFkke fo/ks d
i h , Q	&	i fj ; kst uk l fol; kl
i h vkj ,	&	xteh . k l gHkkfxrk eW; kadu
D; wi h , e	&	xqkoYkk jki . k l kexh
vkj , i h Mh	&	crjrho i fjo f/kir cgq i h
vkj ch Mh	&	; knfPNdhdr Cykd vfhkdYi
vkj , Q Mh	&	jktLFkku ou foHkkx
vkj , p	&	l ki s k vknzk
vkj vkbz , e , l	&	vuq U/kku i z'aku l p u k i ) fr
vkj i h l h	&	vuq U/kku uhfr l fefr
vkj , l	&	l qij l dsh
vkj @ , l	&	: V@'kW
vkj , l , Q Mh	&	jktLFkku jkT; ou foHkkx
vkj Vh vkbz	&	l p u k dk vf/kdkj
, l , ; w	&	jkT; dlf"k fo' ofo   ky;
, l l h	&	vuq fpr tkfr
, l , , l oh i h bz , l 0; kbz	&	l enk; vk/kkfjr l eflor ou i d/kzu , oal j {k . k ; kst uk
, l bz	&	l kesVd bEck;
, l bzi h l h	&	'ksykd fu; kir i kRl kgu l fefr
, l , Q Mh	&	jkT; ou foHkkx
, l , Pk th	&	Lo; al gk; rk l eg
, l vkbz l h	&	enk buvxkud dkcZu
, l , y bz , e	&	l rr Hkne , oai kfjra= i z'aku
, l , y vkj fMfotu	&	enk , oahkne l qkj i Hkkx
, l vks l h	&	enk vvxkud dkcZu
, l vks , e	&	enk vvxkud i nkFkZ
, l i h ,	&	cht mRi knu {ks=
, l i h , e	&	fuyfEcr fofodr i nkFkZ



, l , l vks	&	cky o{k chtks  ku
, l Vh	&	vud fpor tutkfr
, l MCY; wl h	&	enk ty ek=k
Vh , , u ; w; fuofl Δ/h	&	rfeyukMqdf" k fo' ofo   ky;
Vh ch vks	&	o{k tfur rsy cht
Vh vks, Q	&	oukal sckgj dso{k
Vh vkj bz bz	&	i f' k{k.k vud U/kku foLrkj , oaf' k{k
Vh , l	&	Ård l o/kū
Vh Mh tM	&	fFkFM; kT; jku
Vh bz, e	&	l pj .k btDVku ekbØkē dksi h
Vh bzvkj vkbz	&	Åtkz, oal d k/ku l ΔFkku
Vh , Q vkj vkbz	&	m".kdfVca{k; ou vud U/kku l ΔFkku
Vh , Q vks	&	rduhdh l fpo/kk l xBu
Vh , Q Vh	&	fFkufQYe VktLVj
Vh , y l h	&	fFku ys j Økes/ksktQ
Vh vksvkj	&	fo" k; l nHkz
; w, l Mh ,	&	l a Ør jkT; df" k foHkx
; w, u Mh i h	&	l a Ør jk"Vafodkl dk; Øe
; wVh	&	l a jkT; {ks=
; woh	&	vYVtok; ys/
; woh vkbzvkj	&	vYVtok; ys/ bU'YkjM
oh , , e	&	o' hD; wj vkcil D; wj ekbdkj kb tk
oh Mh	&	oh&fMp
oh i h l h	&	okuli frd i d kj dñz
oh i h , u	&	opā/y i kboš/ us/odZ
oh oh ds	&	ou foKku dñz
MCY; w, , l	&	ou; xnHkzVH; kj .k
MCY; wch	&	i f' pe cakky
MCY; wi h , e	&	dk" Bh; i kni ek/; e
MCY; wMCY; w, Q	&	fo' o0; ki h fuf/k
tM , l vkbz	&	Hkkj rh; tarqfoKku l o{k.k