

ifjf'k"v

ifj'k"Bksa dh lwph

ifj'k"B la0	fooj.k	i"B
1	/kkjk 18 oU; tho ¼laj{k.k½ vf/kfu;e vUrxZr & vf/klwpuk	4&5
2	lajf{kr {ks= dk egRo	6
3	o"kkZ ds vkdM+s	7
4	rkieku ds vkdM+s	8
5	Lru/kkjh oU; izkf.k;ksa dh lwph	9&10
6	if{k;ksa dh lwph	11&13
7	mHk;pj thoksa dh lwph	14
8	ljhl`i dh lwph	15
9	eNfy;ksa dh lwph	16
10	izeq[k vd'ks#dh; thoksa dh lwph	17&18
11	lajf{kr {ks= ds vUrxZr vkus okys xzkeksa dh lwph] tula[;k] ikyrw i'kqvksa dh la[;k] d`f"k {ks= eq[; Qlysa	19
12	lajf{kr {ks= ds ckj cQj tksu ds xzkeksa dh lwph] tula[;k] i'kqvksa dh la[;k] Qly vkfn ds fooj.k lfgr	20&22
13	lajf{kr {ks= ds Hkhrj rFkk lajf{kr {ks= dh lhek ls 10 fdeh {ks= esa iM+us okys xzkeksa es vkXus'kkL= ykblsUI /kkjds dh lwph	23&33
14	voS/k f'kdkj dh foxr 5 o"kksZ dh lwph	34

15	jsatksa dh lwph & lsD'ku] lfdZy] chV rFkk muds eq[;ky; lfgrA	35
16	Hkouksa dh lwph	36&37
17	vfrØe.k	38
18	lajf{kr {ks= rFkk cQj tksu ds rhFkZ LFkyksas dh lwph	39
19	if{k;ksa dh psd fyLV	40&47
20	oU; tho ¼laj{k.k½ vf/kfu;e 1972 dh vuqlwph ¼dsoy if{k;ksa dh½	48&52
21	i{kh fogkj dk ,fj;k LVsVesUV	53&57
22	uksfVfQds'ku la[;k 5436@1,&1526&1953 fnuakd 15-08- 1953 dh izfrfyfi	58&61
23	lajf{kr {ks= o mlds fdukjs ik;s tkus okyh ouLifr;kW	62
24	i{kh fogkj ds lehi fLFkr vkS ksfxd izfr"Bkouksa dk fooj.k	63
25	lkjl Øsu dkmUV 1999 rFkk 2007 dh x.kuk fjiksVZ	64
26	o"kZ 2007 dh tyxq.koRrk ijh{k.k fjiksVZ	65&72
27	mRrj izns'k esa ikfjfLFkfrdh;& fodkl gsrq 'kkldh; ladYi dh :i js[kk	73&102
28	oU; thoksa ds iksLVekVZe	103&133

	vfHkys[kksa dh #ijs[kk	
29	jk"V ^a h; ikdksaZ@ oU; tho fogkjksa ds okguksa rFkk LVkQ dks fuokZpu M~;wVh esa u yxk;k tkukA	134&135

ifjf'k"V & 1

mÙkj izns'k ljdkj

ou vuqHkkx & 3

la[;k & 1021@14&3&14@90

y[kuÅ % fnukad & 23 ebZ 1990

vf/klwpuk

pwafd jkT; ljdkj le>rh gS fd uhps nh x;h vuqlwph esa lfoLrkj
of.kZr {ks= oU; thoksa vkSj mlds i;kZoj.k ds laj{k.k} lEo/kZu vkSj fodkl
ds iz;kstu gsrq i;kZIr ikfjokfjd izkf.ktkr] ouLirh;] Hkw&vkd`frRo]
izkd`frd vkSj izk.khrRoh; egRo dk gS]

vr,o] vc oU; tho ¼laj{k.k½ vf/kfu;e] 1972 vf/kfu;e la[;k 53 lu~
1972 dh /kkjk 18 ds v/khu 'kfDr dk iz;ksx dj jkT;iky mDr {ks= dks
vH;kj.; ds #i esa ?kksf"kr djrs gS] ftldk uke ** ikoZrh vjxk i{kh fogkj **
fTyk xks.Mk gksxkA

vuqlwph

{ks= ikoZrh vjxk i{kh fogkj dh lhek;sa

¼v½ ikoZrh >hy dh lhek;sa

mRrj& ikoZrh >hy ls feyrh gqbZ jktLo xzke othjxat iwjs nkgw
vkSj dksBk dh nf{k.k ckgjh lhekA

nf{k.k& ikoZrh >hy ls feyrh gqbZ jktLo xzke gfjgjiqj]
lksHkkxiqj vkSj ijliqj dh mRrjh ckgjh lhekA

iwoZ& ikoZrh >khy ls feyrh gqbZ jktLo xzke cgknqjk vkSj
ikoZrh dh if'peh ckgjh lhekA

if'pe& jktLo xzke pankiqj dh mRrjh iwohZ ,oa nf{k.k lhek
rFkk othjxat ls ÁkjEHk gksus okyh ih0 MCY;w0 Mh0
jksMA

¼c½ vjxk >hy dh lhek;sa

mÜkj& vjxk >hy ls feyrh gqbZ jktLo xzke frjofM;k vkSj
y{e.kiqj dh nf{k.k ckgjh lhekA

nf{k.k& vjxk >hy ls feyrh gqbZ jktLo xzke cgknqjk dh mRrjh
ckgjh lhekA

iwoZ& vjxk >hy ls feyrh gqbZ jktLo xzke xkSfj;k vkSj e/kokiqj
dh if'peh ckgjh lhek A

if'pe& vjxk >hy ls feyrh gqbZ jktLo xzke dksBk dh iwohZ
ckgjh lhek;saA

ikoZrh vkSj vjxk i{kh fogkj dk dqy {ks=Qy

1& ikoZrh >hy dk {ks=Qy 640-00 gs0

2& vjxk >hy dk {ks=Qy 320-00 gs0

3& vjxk >hy i{kh fogkj ds 124-47 gs0

v/khu yh x;h jktLo Hkwfe

dqy {ks=Qy

1084-47 gs0

vkKk ls]

¼th0 x.ks'k½

Ifpo

la[;k% 1021¼1½@14&3&90 fnukafdrA

izfrfyfi fuEufyf[kr dks lwpukFkZ ,oa vko';d dk;Zokgh gsrq izsf''kr &

1& izeq[k ou laj{kd ,oa leLr eq[; ou laj{kd] m0 iz0A

2& eq[; oU; tho izfrikyd] m0 iz0A

3& vk;qDr] QStkckn e.My] QStkcknA

4& {ks=h; funs'kd] lj;w {ks=} lk0ok0{ks0] QStkcknA

5& ftykf/kdkjh] xks.MkA

6& izHkkxh; oukf/kdkjh] mÜkjh@nf{k.kh izHkkx] xks.MkA

7& fo/kk;h vuqHkkx& 1

vkKk Is]

¼ xksih eksgu JhokLro ½

fo'ks''k Ifpo

ifj'k"V & 2

ikoZrh vjxk lk{kh fogkj rjcxat rglhy tuin xks.Mk ds vUrxZr othjxat ds fudV ikoZrh rFkk vjxk nks vyx vyx >hyksa dks feyk dj i{kh fogkj ?kksf"kr gqvk gSA ;s nksuks xks[kqj >hysa gSA ;s vkdkj esa dkQh cMh gS rFkk buesa o"kZ i;ZUr i;kZlr ikuh jgrk gSA bu >hyksa dk fo'ks"k vkd"kZ.k jkT; i{kh lkjl gSA Hkkjrh; iudkSvk ¼bfUM;u 'kSx½] iuMqCch ¼MkVZj½] flygh ¼fOglfyax Vhy½] fVuiqj ¼CySd foaXM fLVYV½] pepk ¼Liwufcy½] dkyk flj ctkk ¼CySd gsMsM vkbfol½] tyihh ¼CySd foaXM tdkuk½] figks ¼ihalV Vsy tdkuk½] [khek ¼iiZy ewjgsu½] [kqyh pksap tkaf?ky ¼,f'k;u vksisu fcy½ vkfn eq[; #i ls LFkkuh; i{kh Hkh cgqrk;kr ls miyC/k gSA

tkM+s ds _rq ¼uoEcj ls Qjoh½ esa /kkjhknkj lou ¼ckj gsMsM xwt½] Hkwjk lou ¼xzsysxxwt½] Vsdjh ¼dkeudwV½] lhadij ¼fiuVsy½] Mck: ¼V¶V ikspZM½] NksVk ykylj ¼dkeu ikspMZ½] ykylj ¼jsM ØsLVsM ikspMZ½] lq[kkZc ¼:Mh 'ksy Md½] uhylj ¼esykmZ½] frnkjh ¼'kkcyj½] cs[kqj ¼xSMoky½] iVkj ¼dkeu Vhy½ vkfn izoklh if{k;ka vkrh gSaA

vjxk >hy cM+h gh je.khd gS] bldks i;ZVd LFky ds #i esa fodflr djus dh vko';drk gSA

i{kh fogkj ls yxHkx 1-5 fd0eh0 dh nwjh ij fVdjh dk l?ku vkjf{kr ou {ks= gSA

ifj'k"V & 3

tuin xks.Mk dh vkSlr o"kkZ ¼fe0eh0½ dh lkj.kh

ekg	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Tkuojh	11-71	&	&	6-13	&	&	1-40	&	&	&
Qojh	&	&	&	&	&	&	&	3-33	&	17-05
ekpZ	&	&	&	&	&	&	&	2-40	9-17	15-03
vçsy	11-80	&	7-00	&	&	&	4-66	&	&	21-16
ebZ	21-8	9-07	9-10	8-18	54-00	&	24-06	&	36-22	87-27
Tkwu	30-30	49-70	251-63	187-81	40-14	121-79	198-04	95-90	245-23	121-85
tqykbZ	335-83	202-76	277-76	163-19	123-29	227-12	287-08	349-06	204-60	411-11
vxLr	409-87	368-64	223-46	154-49	91-91	285-83	137-96	512-03	111-63	259-53
flrEcj	153-40	114-77	241-61	158-50	&	287-47	109-37	186-18	26-23	109-50
vDYwcj	11-31	91-01	&	127-71	&	&	42-25	46-00	&	22-46
uoEcj	12-60	&	&	&	&	&	&	&	&	&
fnlEcj	&	1-30	&	&	7-10	&	&	&	2-33	&

lzksr & dk;kZy; ftykf/kdkjh] xks.Mk

ifj'k"V & 4
tuin xks.Mk dk vkSlr rkieku ¼ls0½

1	2	3	4	5	6	7	8	9	10	11	12	13
Rkieku dk çdkj	o"kZ ds rkieku ¼lsfYl;½											
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
vf/kdre	45-6	44-6	43-8	43-5	43-6	44-1	45-0	43-0	43-7	45-2	44-2	&

lzksr & dk;kZy; ekSle foHkkx] mRrj izns'k] y[kuÅÅ

ifj'k"V & 5

**ikoZrh vjxk i{kh fogkj xks.Mk ¼lajf{kr {ks=½ ds vklikl lkekU;r% ik;s
tkus okys Lru/kkjh oU; thokasa dh lwph**

oxZ	LFkkuh; uke	vaxzsth uke	oSKkfud uke
eSesfy;k Lru/kkjh	ou foyko	The jungle cat	<i>Felis Chaus</i>
eSesfy;k Lru/kkjh	usoyk	Common Indian mongoose	<i>Herpestes edwardisii</i>
eSesfy;k Lru/kkjh	usoyk	Small Indian mongoose	<i>Herpestes auropunctatus</i>
eSesfy;k Lru/kkjh	xhnM+] fl;kj	The Jackal	<i>Canis aureus</i>
eSesfy;k Lru/kkjh	HksfM+;k	The wolf	<i>Lanis Lupus callipes</i>
eSesfy;k Lru/kkjh	ykseM+h	The Indian Fox	<i>Vulpes bengalensis</i>
eSesfy;k Lru/kkjh	fcTtw	The honey badger	<i>Millivora capensis</i>
eSesfy;k Lru/kkjh	fxygjh	Squirrel	<i>Funambulus pennanti</i>
eSesfy;k	pwgk	The common house rat	<i>Rattus rattus</i>

Lru/kkjh			
eSesfy;k Lru/kkjh	ewl	The Indian field mouse	<i>Mus bookuga</i>
eSesfy;k Lru/kkjh	lsgh	Indian Porcupine	<i>Hystrix indica</i>
eSesfy;k Lru/kkjh	[kxks'k	Common hare	<i>Lapus nigricollis</i>
eSesfy;k Lru/kkjh	uhyxk;	The blue bull	<i>Boselaphus tragocamelus</i>
eSesfy;k Lru/kkjh	taxyh lqvj	Wild Pig	<i>Sus scrofa</i>
eSesfy;k Lru/kkjh	phry	The Spotted deer	<i>Axis axis</i>
eSesfy;k Lru/kkjh	lkekU; yaxwj	Langur	<i>Presbytis entellus</i>
eSesfy;k Lru/kkjh	yky eqag cUnj	Rhesus monkey	<i>Macaca mulatta</i>

ifj'k"V & 6

,oht & i{kx oxZ

lajf{kr {ks= esa rFkk vklkl lkekUr;k% ik;s tkus okys i{kx

oxZ	LFkkuh; uke	vaxzsth uke	oSKkfud uke
Phalacrocoracidae	iu MqCch	The Indian darter	<i>Anhinga melanogaster</i>
Podicipedidae	MqcMqch	Little grebe	<i>Tachybaptus ruficollis</i>
Phalacrocoracidae	uhydaB	Indian roller	<i>Coracias benghalensis</i>
Phalacrocoracidae	fdyfdyk	The white brosted kingfisher	<i>Halcyon smyrnensis</i>
Phalacrocoracidae	NksVk ty dkSvk	Little cormorant	<i>Phalacrocorax fuscicollis</i>
Phalacrocoracidae	ns'kh ty dkSvk	Indian cormorant	<i>Phalacrocorax fuscicollis</i>
Phalacrocoracidae	cM+k ty dkSvk	Great cormorant	<i>Phalacrocorax fuscicollis</i>
Anatidae	udVk	Comb duck	<i>Sarkidiornis melanotos</i>
Anatidae	lqj[kkc] pdok	Ruddy shelduck	<i>Tadorna ferruginea</i>
Anatidae	NksVh eqxkZch	Common teal	<i>Anas crecea</i>

Anatidae	lhadj	Northern Pintail	<i>Anas acuta</i>
Anatidae	ukfne@xqxjy	The spot bill duck	<i>Anas poecilorhyncha</i>
Gruidae	Hkkjrh; lkjl	Indian sarus crane	<i>Grus antigone</i>
Gruidae	djdk lkjl	Demoiselle crane	<i>Grus virgo</i>
Rallidae	Bsdjh] dkyh eqkZch	The common coot	<i>Fulica atra</i>
Ardeidae	xk; cxqyk	The cattle egret	<i>Bubulens ibis</i>
Ciconiidae	jaxhu tkaf?ky	Painted stork	<i>Mycteria leucocephala</i>
Ciconiidae	'osr xzho tkaf?ky	White necked stork	<i>Ciconia episcopus</i>
Ciconiidae	[kqyh pksap tkaf?ky	Asian open bill	<i>Anastomus oscitans</i>
Ciconiidae	d".k xzhu tkaf?ky	Black necked stork	<i>Ephippiorhynchus asiaticus</i>
Corvidae	dkSvk	The house crow	<i>Corvus splendens</i>
Anatidae	ykylj	The red-crested pochard	<i>Rhodonessa rufina</i>
Phasianidae	Hkwjk frj	Grey Francolin	<i>Francolinus pondicerianus</i>
Phasianidae	eksj	Indian Peafowl	<i>Pavo cristatus</i>
Rallidae	tyeqxhZ	Common moorhen	<i>Gallinula chloropus</i>
Charadriidae	fVVgjh	Red wattled lapwing	<i>Vanellus indicus</i>
Psittacidae	nqb;k rksrk	Plum Headed	<i>Psittacula</i>

		Parakeet	<i>cyanocephala</i>
Cuculidae	dks;y	Asian Koel	<i>Eudynamys scolopacea</i>
Stringidae	/kCcsnkj mYyw	Spotted owlet	<i>Anthene brama</i>
Alcedinidae	lkekU; fdydyk	Common king fisher	<i>Alcedo atthis</i>
Alcedinidae	fpRrhnkj fdydyk	Pied Kingfisher	<i>Ceryle rudis</i>
Bucerotidae	/kus'k	Grey horn bill	<i>Tockus birostris</i>
Picidae	Hkwjk dBQksM+ok	Brown woodpeckers	<i>Micropternus brachyurus</i>
Picidae	/kkjhkj dBQksM+ok	Scaly bellied wood peckers	<i>Picus squamatus</i>
Dicruridae	dkyk Hkqtax	North Indian Black Dango	<i>Dicrurus adsimilis</i>
Columbidae	gfj;y	Green pigeon	<i>Treran phoenicoptera</i>
Clumbidae	uhyk dcwrj	Rock pigeon	<i>Columba livia</i>
Clumbidae	fpRrhnkj Qk[rk	Spotted dove	<i>Streptopelia chinensis</i>

ifj'k"V & 7

ikoZrh vjxk i{kh fogkj esa lkekUr;k% ik;s tkus okys mHk;pj

¼,EQhfc;u½ dh lwph

oxZ	LFkkuh; uke	vaxzsth uke	oSKkfud uke
,EQhfc;k	VksM+	Toad	<i>Bufo melano stictus</i>
,EQhfc;k	es<+d	Frog	<i>Rana tigrina</i>

ifjf'k"V & 8

ljhl`i ¼jslVhfy;k½

oxZ	LFkkuh; uke	vaxzsth uke
eSdksfuMh	fNidyh @ fNijk	dkeu gkml xzsdks
eSdksfuMh	ceuh	fLdad
,xkfeMh	fxjfxV	dkeu xkMZu fytZM
okjkfuMks	xksg	yktZ yS.M ekuhVj fytMZ
okjkfuMks	dNqvk	VVZy
dksyfczMh	ukx	LisDVSdSYM dkscjk
bySfiuh	djSr	dkeu ØsV
bySfiuh	/kkeu	bf.M;u jSV LuSd
bySfiuh	vtxj	bf.M;u jkd ikbFku
bySfiuh	nks eqWgh	jsM ISaM cksvk
bySfiuh	ifUg;k	psdMZ dhy cSd
bySfiuh	ifUg;k	LV ^a kbZOM dhy cSd
bySfiuh	ifUg;k	xzhu dhy cSd
okjkfuMks	dVgok dNqvk	lk¶V 'ksy VVZy
okjkfuMks	pjifg;k dNqvk	ihdkd lk¶V 'ksy VVZy
okjkfuMks	lqUnjh dNqvk	¶lySi 'ksy VVZy
okjkfuMks	ipsM+k dNqvk	bfUM;u :Q VVZy

ifj'k"V & 9

lajf{kr {ks= esa lkekUr;k% ik;h tkus okyh eNfy;ksa dh iztkfr

LFkkuh; uke	oSKkfud uke
dVpjok	iufV;l LVhkek
dVyk	dSfVy dSVyk
djkasp] dyoSlh	ySosu dSyow
dksV ^a h	iufV;l fyDVks
x#vk] oqpok	lsMsVksfjil x#vk
xqxaokjh	dSyhDyksjl ckbekdqysVI
xq#yk] eduh	jksgVksa dksfV;ks
Vsaxjk	ekblVI vkslfjvks gSxjl
fVuxjgk	yklVI lhu?kkyk
uSu	flgfu;k e`fxyk
iVjk	uksVksisVjl uksVksisVjl
ijgu] oksekjh	okYxks vVw
xkaxqj	Xysfj;l eawj
fxyhyqvk	jlokjks Msuhdksfu;l
eksg] phrqy	eksVksisVjl phryk
jS;k] jsfr;k	fljfgek Vhok
jksgw	dSfo;ksa jksfgrk
lkfyn] flyan	flyqfM;k xaxSfVdk
flaxgh	gsV ^a ksQSufVI Qksflyk
lqbok] Qqfy;k	xSMqfl;k pijk
lkSy] lksj	pUuk LVS ^a VI

ifjf'k"V & 10

ikoZrh vjxk i{kh fogkj {ks= esa lekU;r;k% ik;s tkus okys

vd'ks#dh ¼buoVhZozsV½ izk.kh

la?k	tho oSKkfud uke	LFkkuh; uke	vkfFkZd egRo
izksVkstksvk	dkSyfifM;l iztkfr		eNfy;kas vkSj thoksa dk vkgkj
**	;wXysuk iztkfr		eNfy;kas vkSj thoksa dk vkgkj
**	iSjkfeFl;e iztkfr		eNfy;kas vkSj thoksa dk vkgkj
**	okfVZlsYyk iztkfr		eNfy;kas vkSj thoksa dk vkgkj
jksVhQSjk	,suqfj;k iztkfr		eNfy;kas vkSj thoksa dk vkgkj
**	fQfyfu;k iztkfr		eNfy;kas vkSj thoksa dk vkgkj
**	jksfVQj Ukl;qful		eNfy;kas vkSj thoksa

	iztkfr		dk vkgkj
fuesVksMk	jSOMksysbel iztkfr		
,suhfyMk	fg#Msusfj;k iztkfr	tkсад	
**	QsjsfVek iztkfr	dspqvk	d`f" k ds fy, egRoiw.kZ
**	V;wfoQSDI iztkfr		
vkFkksZiksMk	lkbDyksll iztkfr		
**	lkbfizl iztkfr		
**	MSYQfu;k iztkfr		
**	M ^a ksxu QykbZt		
**	eSØksozku fd;eySejh	>haxk	[kk lkexzh ds #i esa iz;qDr
**	usik jksoLVI	fcPNw	
**	dSUIjk iztkfr	dsdM+k	Hkkstu lkexzh ds #i esa dqN O;fDr;ksa }kjk iz;qDr
eksykLdk	,suksMksUVk		
**	xkb#YI iztkfr		
**	fgfyDI		
**	ykbefu;k		
**	esysukbM~l		
**	lySuksjfol		
**	ikbyk	?kks?kk	[kk lkexzh ds #i esa iz;qDr
**	fofoisjk osxfyfUII		
**	fofoisjk Øslk		
**	lhfi;k iztkfr	lhi	

ifj'k"V & 11

lajf{kr {ks= dk vf/kdka'k Hkkx tyeXu {ks= gS] blesa dksbZ
ekuo vkcknh ugh gSA

ifj'k"V & 12

ikoZrh vjxk i{kh fogkj lajf{kr {ks= ds ckgj cQj tksu esa iM+us okys xzkeksa dh lwph o vU; lwpuK,

Ø0 la0	xzke dk uke			dqy tula[;k	ikyrw i'kqvks dk fooj.k						dqy i'kq la0	d`f`k {ks= ,dM+ esa	d`f`k dh eq[; Qlysa	tyh; ouLifr	vU; fooj.k
	0&1 fdeh	1&5 fdeh	5&10 fdeh		xk;	cSy	HkSal	cdjh	HksM+	xngk					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	dksBk	& &	& &	3886	184	62	152	102	25	&	525	348	xsagw] /kku] eDdk] xUuk] vjgj o vU; nyguh Qlysa dS`k Øki rEckdw eq[; gS	dey dqequh] frUuk] tydqEHkh] lsokj] xksn] ujdqy] fpyfcy vkfn	
2	xkSfj;k	& &	& &	2000	15	8	25	15	&	&	63	75			
3	y{euiqj	& &	& &	1000	10	10	25	50	&	&	95	33			
4	e/kokiqj	& &	& &	1500	20	12	28	25	&	&	85	30			
5	fr[kfM+;k	& &	& &	650	14	4	10	25	&	&	54	104			
6	cgknqjk	& &	& &	3532	30	14	48	35	&	&	127	31			
7	ikoZrh	& &	& &	997	32	4	24	22	25	&	107	19			
8	ijlkiqj	& &	& &	1988	52	20	62	62	10	&	206	20			
9	'kksHkkiqj	& &	& &	10032	18	8	20	12	&	&	58	30			
10	pUnkiqj	& &	& &	2928	204	102	255	175	12	&	748	327			
11	gfjgjiqj	& &	& &	936	25	10	52	32	&	&	119	54			
12	lqHkkxiqj	& &	& &	2200	15	10	45	28	&	&	98	25			
13	& &	pUngk	& &	2500	35	20	60	26	&	&	151	52			
14	& &	ca/kok	& &	2600	22	18	42	36	&	&	108	39			
15	& &	vtcuxj	& &	2850	24	14	44	31	&	&	113	35			
16	& &	fVdjh	& &	2250	18	10	47	17	&	&	92	34			
17	& &	ykskjMk<+	& &	2786	10	14	26	5	&	&	55	41			

18	& &	nkSyriqj	& &	3214	22	4	28	14	&	&	68	30			
19	& &	nsohuxj	& &	1269	26	6	32	8	&	&	72	14			
20	& &	fd'kqunkliqj	& &	970	18	8	29	10	&	&	65	18			

Ø0 la0	xzke dk uke			dqy tula[;k	ikyrw i'kqvks dk fooj.k						dqy i'kq la0	d'f'k {ks= ,dM+ esa	d'f'k dh eq[; Qlysa	tyh; ouLifr	vU; fooj.k
	0&1 fdeh	1&5 fdeh	5&10 fdeh		xk;	cSy	HkSal	cdjh	HksM+	xngk					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
21	& &	dksYgeiqj	& &	970	16	10	24	18	& &	& &	68	27	xsagw]	dey	
22	& &	cStyiqj	& &	1880	24	6	28	10	& &	& &	68	16	/kku]	dqeqnuh]	
23	& &	dksYgeiqj	& &	1220	12	4	14	35	& &	& &	65	15	eDdk]	frUuk]	
24	& &	poelwy	& &	857	15	6	19	28	& &	& &	68	16	xUuk]	tydqEHkh]	
25	& &	pkScsiqj	& &	1278	22	4	28	27	& &	& &	81	20	vjgj o	lsokj]	
26	& &	gfjoa'kiqj	& &	1682	16	8	24	36	& &	& &	84	20	vU;	xksn]	
27	& &	tVeyiqj	& &	680	8	&	32	28	& &	& &	68	12	nyguh	ujdqy]	
28	& &	guqekuuxj	& &	280	12	4	16	15	& &	& &	47	26	Qlysa	fpyfcy	
29	& &	nqtZuiqj	& &	1586	16	18	22	8	& &	& &	64	9	dS'k	vkfn	
30	& &	dkek	& &	599	4	8	26	22	& &	& &	60	13	Øki		
31	& &	ujsUnziqj	& &	980	8	4	16	6	& &	& &	34	17	rEckdw		
32	& &	lqtkZiqj	& &	1236	17	6	24	16	& &	& &	63	14	eq[; gS		
33	& &	Hkukok	& &	1137	28	18	21	8	& &	& &	75	13			
34	& &	lksfr;k	& &	1182	14	8	24	4	& &	& &	50	35			
35	& &	euiqj	& &	1936	16	2	28	26	& &	& &	72	35			
36	& &	cYyikiqjh'keh	& &	647	10	6	15	&	& &	& &	31	31			

37	& &	'kkgiqj	& &	1234	24	&	21	24	& &	& &	69	106			
38	& &	,dVaxk	& &	448	4	6	12	2	& &	& &	24	73			
39	& &	ujk;uiqj	& &	804	22	8	28	18	& &	& &	76	35			
40	& &	jkekiqj	& &	2841	18	21	26	19	& &	& &	84	37			

Ø0 la0	xzke dk uke			dqy tula[;k	ikyrw i'kqvks dk fooj.k						dqy i'kq la0	d`f`k {ks= ,dM+ esa	d`f`k dh eq[; Qlysa	tyh; ouLifr	vU; fooj.k
	0&1 fdeh	1&5 fdeh	5&10 fdeh		xk;	cSy	HkSal	cdjh	HksM+	xngk					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
41	& &	[kseiqj	& &	502	9	6	17	4	& &	& &	36	30	xsagw]	dey	
42	& &	pM+kSok	& &	3032	48	26	98	32	& &	& &	204	16	/kku]	dqeqnuh]	
43	& &	djnk	& &	2800	19	8	46	36	& &	& &	109	72	eDdk]	frUuk]	
44	& &	iwjsMk<q	& &	3637	40	10	52	10	& &	& &	112	100	xUuk]	tydqEHkh]	
45	& &	djuhiqj	& &	2628	18	8	26	18	& &				vjgj o	lsokj]	
46	& &	othjxat	& &	6400	26	8	101	99	& &				vU;	xksn]	
47	& &	x<+h	& &	2837	18	12	32	4	& &				nyguh	ujdqy]	
48	& &	uokcxatfxnZ	& &	4000	38	20	54	50	52				Qlysa	fpyfcy	
49	& &	f[kljk	& &	3029	28	8	29	102					dS`k	vkfn	
50	& &	dkSMj	& &	812	12	6	22	18					Øki		
51	& &	gtjriqj	& &	754	25	6	32	40					rEckdw		
52	& &	& &	ijlguk	3637	32	8	44	10					eq[; gS		

53	& &	& &	igyh	2154	28	6	52	4							
54	& &	& &	ljk;[kyh	3206	20	18	42	&							
55	& &	& &	n;kyiqj	572	13	4	28	18							
56	& &	& &	vdcjiqj	1836	26	10	36	16							
57	& &	& &	txsxkiqj	502	23	4	16	10							
58	& &	& &	'kEHkwuxj	878	8	2	19	4							
59	& &	& &	gjnok	993	15	10	28	8							
60	& &	& &	djkSanhk	928	24	8	29	12							

ifj'k"V & 13

lajf{kr {ks= tyeXu {ks= gS] blesa dksbZ vkcknh ugh gSA i{kh fogkj

lhek ls yxs gq;s rFkk lhek ls 10 fdeh0 rd ds xzkeksa@dLcksa esa

fuokfl;ks] ftuds ikl vkXus'kkL= gS] dh lwph fuEuor~ gS

xzke dk uke	vkXus'kkL= ykblsUI/kkjh dk uke @ firk dk uke	vkXus'kkL= dk fooj.k
dksBk	pUnziky flag iq= ,p0 Mh0 flag	Mh0ch0ch0,y0
dksBk iwjs [kqjngk	jktoyh iq= f=Hkqou flag	Mh0ch0ch0,y0
dksBk	?khlk flag iq= loZthr falg	Mh0ch0ch0,y0
dksBk	Kku pUnz flag iq= Mh0 ,u0 flag	Mh0ch0ch0,y0
dksBk	jk?kosUnz flag iq= vkj0 ,p0 flag	Mh0ch0ch0,y0
dksBk	bZ'oj pUnz flag iq= ,0 vkj0 flag	,l0ch0ch0,y0
dksBk	mn;jkt flag iq= tSljkt flag	,l0ch0ch0,y0
dksBk	pUnzs'k flag iq= ,l0 ih0 flag	Mh0ch0ch0,y0
dksBk	fouksn dqekj flag iq= jke flag	,l0ch0 jk;Qy
dksBk	fouksn dqekj flag iq= jke flag	fjokYoj
dksBk	izeksn dqekj flag iq= jke flag	,l0ch0 jk;QYk
dksBk	jke dqekj flag iq= 'ke fcgkjh flag	,l0ch0ch0,y0
eksguiqj	ykyrk izlkn iq= jke y[ku	Mh0ch0ch0,y0
eksguiqj	?ku';ke 'kqDyk iq= ;y0 izlkn	Mh0ch0ch0,y0

eksguiqj	ykV cD'k flag iq= ts0 oh0 flag	Mh0ch0ch0,y0
eksguiqj	jke cgknqj flag iq= oh0 flag	,l0ch0ch0,y0

xzke dk uke	vkXus'kkL= ykblsUI/kkjh dk uke @ firK dk uke	vkXus'kkL= dk fooj.k
xkSfj;k	jke ukSeh iq= fxU/kwjs	,l0ch0ch0,y0
y{euiqj	Nsyh yky iq= >Eeu ;kno	,l0ch0ch0,y0
e/kokiqj	v[ky ujk;u flag iq= jke vorkj flag	Mh0ch0ch0,y0
e/kokiqj	jkeyyd flag iq= jke izlkn flag	vkVks fiLVy
pUngk	ykV cD'k flag iq= ,l0 ch0 flag	,l0ch0ch0,y0
pUngk	c`t eksgu flag iq= HkHkwfr flag	Mh0ch0ch0,y0
pUngk	jke cD'k flag iq= ,l0 ch0 flag	,l0ch0ch0,y0
pUngk	tXxh yky iq= cq/kbZ	,l0ch0ch0,y0
pUngk	xkSjh'kadj iq= txnso flag	,l0ch0ch0,y0
pUngk	jkecd'k flag iq= ts0 ih0 flag	,l0ch0ch0,y0
pUngk	jkekuUn gfjtu iq= lksebZ	,l0ch0ch0,y0
pUngk	nw/kukFk ;kno iq= uudÅ ;kno	& & & &
ca/kok	tQj vyh iq= ykV gkth eks0 jQhd	Mh0ch0ch0,y0
cgknqjk	egknso flag iq= tx cgknqj flag	Mh0ch0ch0,y0
cgknqjk	uk;d eq0 'kQh [kka iq= ghjk	,l0ch0ch0,y0

	[kka	
cgknqjk	jke izlkn iq= dqat fcgkjh	,l0ch0ch0,y0
cgknqjk	'khryk izlkn iq= f'ko jru	Mh0ch0ch0,y0
cgknqjk	jke ujk;u iq= HkkbZ ykyk	Mh0ch0ch0,y0
cgknqjk	vo/k ujs'k flag iq= x;k izlkn flag	,l0ch0ch0,y0
cgknqjk	egknso flag iq= tx cgknqj flag	Mh0ch0ch0,y0

xzke dk uke	vkXus'kkL= ykblsUI/kkjh dk uke @ firk dk uke	vkXus'kkL= dk fooj.k
cgknqjk	gfjke flag iq= jes'k flag	,l0ch0ch0,y0
cgknqjk	v'kksd izrki flag iq= fot; dqekj flag	,l0ch0 jk;Qy
vtouxj	ea'kkjke iq= jke lksgjr	Mh0ch0ch0,y0
fVdjh lqnkekiqj	ns'kjkt flag iq= gjnso flag	Mh0ch0ch0,y0
fVdjh lqnkekiqj	jktsUnz cgknqj flag iq= f'ko 'kadj flag	,l0ch0ch0,y0
fVdjh lqnkekiqj	d`".k cgknqj flag iq= th0 ih0 falg	,l0ch0ch0,y0
fVdjh lqnkekiqj	vkse izdk'k iq= vkj0 ih0 flag	,l0 ch0 jk;Qy

fVdjh lqnkekiqj	vHkjk flag iq= vkj0 ts0 flag	,l0ch0ch0,y0
yksq	jke ft;kou iq= oh0 flag	Mh0ch0ch0,y0
yksq	jkt dqekj ekS;Z iq= vkj0 ,l0 ekS;Z	Mh0ch0ch0,y0
yksq	uUnfd'kksj iq= jkenhu	fjokYoj
yksq	nso izdk'k iq= lR;nso	Mh0ch0ch0,y0
yksq	lRh'k pUnz Hkkjrh iq= vkj0 ,l0 Hkkjrh	Mh0ch0ch0,y0
yksq	euksgj yky iq= eksrh yky	,l0ch0ch0,y0
othjxat	jke lqk; Hkkjrh iq= ch0 ih0 Hkkjrh	vkVks fiLVy
othjxat	jke izlkn frokjh iq= jktnRr frokjh	,l0ch0ch0,y0
djnk	vyxw izlkn iq= >x# izlkn	Mh0ch0ch0,y0
djnk	djhe cD'k iq= [kqnk cD'k	Mh0ch0ch0,y0
djnk	fotkZ iq= vkSrkj	,l0ch0ch0,y0
djnk	cdjhnh iq= e;wj	,l0ch0ch0,y0
djnk	vEcjh'k iq= ?khlw	,l0ch0ch0,y0

xzke dk uke	vkXus'kkL= ykblsUI/kkjh dk uke @ firk dk uke	vkXus'kkL= dk fooj.k
djnk	lqjsUnz cgknqj iq= txeksgu flag	,l0ch0ch0,y0
djnk	lR; izdk'k flag iq= vkj0 ds0 flag	Mh0ch0ch0,y0

djnk	fnus'k izrki flag iq= th0 flag	Mh0ch0ch0,y0
djnk	jke dqekj flag iq= ,l0 vkj0 flag	,l0ch0ch0,y0
pUnkiqj	pUnzHkku flag iq= ch0 ,l0 f}osnh	,l0ch0ch0,y0
pUnkiqj	fojsUnz flag iq= ,l0 ch0 flag	Mh0ch0ch0,y0
pUnkiqj	xksdju nkl psyk cuokjh nkl	,l0ch0ch0,y0
pUnkiqj	lUryky flag iq= jke ujk;u flag	Mh0ch0ch0,y0
pUnkiqj	jktsUnz flag iq= ohjsUnz flag	,l0ch0 jk;Qy
pUnkiqj	bUnj flag iq= udNsn flag	,l0ch0ch0,y0
pUnkiqj	eqDrs'oj 'kqDyk iq= ,e0 'kqDyk	,l0ch0ch0,y0
pM+kSok	xq# izlkn iq= xkSjh 'kadj	Mh0ch0ch0,y0
pM+kSok	dslukFk ik.Ms; iq= vkbZ0 ih0 ik.Ms;	,l0ch0ch0,y0
nqtZuiqj	xQ~Qkj gqISu iq= eqerkt gqISu	Mh0ch0ch0,y0
nqtZuiqj	leq)hu iq= ,0 vyh	,l0ch0ch0,y0
nqtZuiqj	vejukFk frokjh iq= vkj0Mh0 frokjh	,l0ch0ch0,y0
okusiqj	/kzqojkt flag iq= jke 'kj.k flag	,l0ch0ch0,y0
okusiqj	vo/kiky flag iq= vefjdk flag	,l0ch0ch0,y0
okusiqj	fot; izdk'k flag iq= ,0 ih0 flag	,l0ch0ch0,y0
okusiqj	f'ko dqekj flag iq= jke lju flag	,l0ch0ch0,y0

xzke dk uke	vkXus'kkL= ykblsUI/kkjh dk uke @ firK dk uke	vkXus'kkL= dk foOj.k
ijlkiqj	QSt eks0 iq= nhu eks0	,l0ch0ch0,y0
ynsguk xzUV	fNudku iq= N=iky	,l0ch0ch0,y0
djuhiqj	ujk;u nRr nwcs iq= jke leq>	Mh0ch0ch0,y0
djuhiqj	vt; dqekj JhokLro iq= ,e0 ih0 Jh0	,l0ch0ch0,y0
xn~nh	Hkxoku cD'k flag iq= ds0 flag	fjokYoj
xn~nh	jktsUnz flag iq= ts0 flag	Mh0ch0ch0,y0
dkik	jkethr flag iq= ts0 ds0 flag	,l0ch0ch0,y0
dkik	jekdkUr feJk iq= jke dqekj	Mh0ch0ch0,y0
dkik	jke v;ks/;k iq= jke dqekj	,l0ch0ch0,y0
cU/kok	loZJh tQj vyh]	Mh0ch0ch0,y0

	iq= Lo0 Jh eks0 jQhd	
gFksfy;k pUnkiqj	c`tuUnu frokjh] iq= Jh egknso izlkn frokjh	,l0ch0ch0,y0
uSiqfj;k cgknqjk	jke fuokl xqlrk iq= Lo0 Jh feJh yky	,l0ch0ch0,y0
djuk	fjtoku vgen iq= Jh vyhmYyk	Mh0ch0ch0,y0

othjxat	uUnfd'kksj iq= Jh jkenhu	,u0ih0 cksj jkbQy
iwjs [kqjngk	fot; cgknqj flag iq= Jh fcUnzk flag	ch0Mh0ch0,y0
iwjs [kqjngk	vkRe izdk'k flag] iq= Jh jke nso flag	,u0ih0 cksj jkbQy
dnjk	'ke'ksj iq= Jh jTtkd	,l0ch0ch0,y0
pUnkiqj	larks"k dqekj flag iq= Jh jk?kosUnz izrki flag	,u0ih0 cksj jkbQy
othjxat	uUnyky dkS'ky iq= Jh jke lgk; dkS'ky	,u0ih0 cksj jkbQy
othjxat	vjfoUn dqekj Hkkjrh iq= Jh d`".k nso Hkkjrh	,u0ih0 cksj jkbQy
othjxat	lqjs'k pUnz Hkkjrh iq= Jh jke lgk; Hkkjrh	,u0ih0 cksj fiLVy
oathjxat	Mk0 cztf'd'kksj dkS'ky iq= Jh jkenhu dkS'ky	,u0ih0 cksj fiLVy
nqtZuiqj ?kkv	nsoef.k frokjh iq= Jh jke vfHkyk[k	,l0ch0ch0,y0
pUnkiqjuxjh	claryky flag iq= Jh jke ujk;u flag	,u0ih0 cksj jkbQy

othjxat	gjh'k dqekj Hkkjrh iq= Jh d`".k nso Hkkjrh	,u0ih0 cksj jkbQy
nqtZuiqj	izse izdk'k iq= Jh teknkj	Mh0ch0ch0,y0
othjxat	jkts'k dqekj dkS'ky iq= Jh jkenhu dkS'ky	,u0ih0 cksj jkbQy
othjxat	lq'khy dqekj Hkkjrh iq= Jh d`".k nso Hkkjrh	,u0ih0 cksj jkbQy
pUnkiqjuxjh	rkez/ot flag iq= Jh jke'kj.k flag	,l0ch0ch0,y0

pUnkiqj	dkS'kysUnz cD'k iky flag iq= Jh iqUuw flag	,l0ch0ch0,y0
othjxat	lrh'k pUnz Hkkjrh iq= Jh jke lqg; Hkkjrh	,u0ih0 cksj fiLVy
pUnkiqjiwjs lhj	Hkjr flag iq= Jh ifrjkt flag	,l0ch0ch0,y0
pUnkiqjuxjh	lkgcD'k flag iq= Jh ukScr flag	,l0ch0ch0,y0
iwjs[kqnZgk	j.kfot; flag iq= Jh i`Fohyky flag	,u0ih0 cksj fiLVy
pUnkiqjsiwjslhj	johUnz dqekj ik.Ms; iq= Jh jkegfj ik.Ms;	,l0ch0ch0,y0
pUnkiqj	lq/khj dqekj JhokLro iq= Jh ykyth JhokLro	Mh0ch0ch0,y0
nqtZuiqj?kkV	jktho dqekj ik.Ms; iq= Jh bUnziky ik.Ms;	Mh0ch0ch0,y0
othjxat	jRus'k pUnz Hkkjrh iq= Jh jkelgk; Hkkjrh	,u0ih0 cksj fiLVy

ijfl;k	fuokl ik.Ms iq= Jh lw;Zujk;u ik.Ms;	Mh0ch0ch0,y0
othjxat	:isUnz dqekj Hkkjrh iq= Jh lqjsUnz pUnz Hkkjrh	Mh0ch0ch0,y0
othjxat	_f"k dqekj Hkkjrh iq= Jh lqjs'k pUnz Hkkjrh	Mh0ch0ch0,y0 fjokYoj
pUnkiqj	fot; izrki flag iq= Jh txnh'k flag	,l0ch0ch0,y0
nqtZuiqj	'kjhQ glu iq= Jh ts0ch0 [kku	,l0ch0ch0,y0
othjxat	d`.k dqekj lksuh iq= Jh jekdkUr lksuh	,l0ch0ch0,y0
ckusiqj	vo/ks'k izrki flag iq= Jh jkelqUnj flag	,l0ch0ch0,y0] ,u0ih0 cksj jkbQy

ckusiqj	Daqoj cgknqj flag iq= Jh vo/kiky flag	,u0ch0 cksj jkbQy] ,u0ch0 cksj fiLVy
e/kokiqj	jes'k flag iq= Jh cnzh flag	Mh0ch0ch0,y0
nqtZuiqj?kkV	egs'k dqekj flag iq= Jh txUukFk flag	Mh0ch0ch0,y0] ,u0ih0 cksj jkbQy
e/kokiqj	oS".kksekrk cD'k flag iq= Jh d`.k cgknqj flag	,l0ch0ch0,y0
djnk	HkwisUnzcD'k flag iq= Jh lqjsUnz cD'k flag	,u0ch0 cksj fiLVy
othjxat	v'kh"k dqekj Hkkjrh iq= Jh lqjs'k pUnz Hkkjrh	,l0ch0ch0,y0 ,u0ih0 cksj fiLVy
pUnkiqjuxjh	'kSysUnz izrki flag	,l0ch0ch0,y0

	iq= Jh jktukFk flag	
pUnkiqjuxjh	d`.k flag iq= Jh lfPpnkuUn flag	,u0ih0 cksj jkbQy
othjxat	eq[rkj vgen iq= Jh cdjnhh	,l0ch0ch0,y0
othjxat	/kesZUnz dqekj Hkkjrh iq= Jh lqjs'k pUnz Hkkjrh	,u0ih0 cksj jkbQy] fjokYoj
pUnkiqj	fxfj'k dqekj 'kqDy iq= Jh ';ke/kj 'kqDy	,l0ch0ch0,y0
xkSfj;k	Nkaxqj iq= vvxw	Mh0ch0ch0,y0
pUnkiqj	eks0 ;wuql iq= Jh eks0 ;wlqQ	,u0ih0 cksj fiLVy
nqtZuiqj?kkV	larks"k dqekj iq= Jh 'kEHkw flag	,l0ch0ch0,y0
nqtZuiqj?kkV	jktu dqekj iq= Jh lqjs'k dqekj	,l0ch0ch0,y0
fVdjhiwjsoky	nso dqekj feJ iq= Jh jkec`{k feJ	,l0ch0ch0,y0

eksguiqj	j.kthr flag] iq= Jh i`Fohiky flag	,u0ih0 cksj jkbQy
pUnkiqjuxjh	jktho dqekj flag iq= Jh jkes'oj flag	,u0ih0 cksj fiLVy
pMkSok	guqeku izlkn frokjh iq= Jh IR;ujk;u frokjh	,l0ch0ch0,y0
nqtZuiqj?kkV	jDdw 'kqDyk iq= Jh lqjs'k dqekj	Mh0ch0ch0,y0
nqtZuiqj?kkV	d`.knso feJk	,u0ih0 cksj jkbQy

	iq= Jh y{ehnRr feJk	
nqtZuiqj	jktsUnz izrki feJk iq= Jh y{ehnRr feJk	,u0ih0 cksj jkbQy
fVdjh	vfHkjke flag iq= Jh jke ft;kou	,u0ih0 cksj fiLVy
pUnkiqj	csdk:yky ;kno iq= Jh ' ;keyky ;kno	,l0ch0ch0,y0
fVdjh	vfHkeU;q flag iq= Jh x;k izlkn flag	,l0ch0ch0,y0
e/kokiqjfVdjh	HkxokucD'k flag iq= Jh dUgS;kyky flag	,u0ih0 cksj jkbQy
eksguiqj	vkRe izdk'k flag iq= Jh fogky flag	,u0ih0 cksj fiLVy
e/kokiqj	jkts'k foøe flag iq= Jh fogku flag	,u0ih0 cksj jkbQy
nqtZuiqj?kkV	vkuUn dqekj xqlrk iq= Jh fd'kksjhyky xqlrk	Mh0ch0ch0,y0
vtcuxjiqj iqjebZiqj	eksrh iq= Jh jke yxu	,l0ch0ch0,y0
cgknqjk/kkscgk	eqjyh ;kno iq= Jh tax izlkn ;kno	Mh0ch0ch0,y0
eksguiqj	vthr dqekj flag iq= Jh IR; ujk;u flag	,l0ch0ch0,y0

cgknqj/kkscgk	f'ko ujk;u ;kno iq= Jh HkxkSrh izlkn ;kno	,l0ch0ch0,y0
othjxat	vfuy dqekj dkS'ky iq= Jh uUnyky	,u0ch0 cksj fiLVy
vtcuxj	guqeku izlkn ekS;Z	Mh0ch0ch0,y0

	iq= Jh feJhyky ekS;Z	
pUnkiqj	ikjlukFk ekS;Z iq= Jh jke;'k ekS;Z	Mh0ch0ch0,y0
xkSfj;k	jkeQsj xqtZj iq= Jh txUukFk xqtZj	,u0ih0 cksj fiLVy
pMkSok	fo".kq izrki flag iq= Jh jke iky flag	,l0ch0ch0,y0
eksguiqj	Hkh[kjke iq= Jh f?kjhÅ	,l0ch0ch0,y0
xkSfj;kj?kqjktuxj	o`tuUn flag iq= Jh yYyu flag	,u0ih0 cksj fiLVy
othjxat	vfer dqekj Hkkjrh iq= Jh lqjs'k pUnz Hkkjrh	,u0ih0 cksj fiLVy
xkSfj;k	jkellxj xqtZj iq= Jh cnzh	,u0ih0 cksj fiLVy
othjxat	xhrk nsoh iRuh Jh ohjsUnz dqekj	Mh0ch0ch0,y0
othjxat	jkexksiky lksuh iq= Jh jekdkUr lksuh	,u0ih0 cksj jkbQy
yksjgkMk<+ dkekfVdjh	jkds'k feJk iq= Jh c`tfd'kksj feJk	,u0ih0 cksj fiLVy
eksguiqj	vt; dqekj flag iq= Jh pfUnzdk flag	,l0ch0ch0,y0
pM+kSok	jetku iq= Jh ln~nhd	,l0ch0ch0,y0
fVdjh	lhrkjke iq= Jh jkerst	,l0ch0ch0,y0

nqtZuiqj?kkV	lqjs'k dqekj 'kqdj iq= Jh vfEcdk izlkn 'kqDy	,u0ih0 cksj fjokYoj
pM+kSok	edcwy iq= Jh bnjh'k vgen	Mh0ch0ch0,y0
pUnkiqjuxjh	jRus'oj ik.Ms iq= Jh [kkdh izlkn ik.Ms;	,l0ch0ch0,y0
othjxat	cCyw lksuh iq= Jh jekdkUr lksuh	,u0ih0 cksj fiLVy
pUnkiqj	iou dqekj 'kqDy iq= Jh f'ko izlkn 'kqDy	,l0ch0ch0,y0
cgknqjk	fot; izrki flag iq= Jh jes'k flag	Mh0ch0ch0,y0

ifj'k"V & 14

ikoZrh vjxk i{kh fogkj] xks.Mk ¼lajf{kr {ks=½ esa voS/k f'kdkj

IEcU/kh lwpuk foxr ikWp o"kksZ dh

o"kZ	ou vijk/kksa dh la;k	ou vijk/k dk izdkj
2003&04	fjDr	fjDr
2004&05	fjDr	fjDr
2005&06	fjDr	fjDr
2006&07	fjDr	fjDr
2007&08	fjDr	fjDr
2008&09	2 vnn	eNyh dk f'kdkj

mijksDr fooj.kkuqlkj lajf{kr {ks= esa eNyh dk voS/k f'kdkj gh eq[;
oU; tho vijk/k ds #i esa ik;k x;kA

ifj'k"V & 15

jsatksa dh lwph lsD'ku] lfdZy] chV rFkk muds eq[;ky; lfgr

jsat	lsD'ku	chV	eq[;ky;
1	2	3	4
ikoZrh vjxk lk{kh fogkj jsat	& &	& &	vjxk dkyksuh xzke dksBk ¼fHkrjh½
	vjxk	vjxk	vjxk dkyksuh xzke dksBk ¼fHkrjh½
	ikoZrh	ikoZrh	vjxk dkyksuh xzke dksBk ¼fHkrjh½

ifj'k"V & 16

Hkouks dh lwph

Hkou dk izdkj	la[;k	fLFkfr	vH;qfDr
Vkbi & 3 ¼jsat vf/kdkjh vkokl½	1	jkex<+ fVdjh jsat dEikmUM esa	1992&93 fufeZr
Vkbi & 1 ¼oU;tho j{k pkSdh½	2	jkex<+ fVdjh jsat dEikmUM esa	1992&93 fufeZr

uksV& mijksDr vkokl jsat dk;Zky; ¼Hkhrjh xkWo½ ls yxHkx nl
fd0eh0 dh nwjh ij gSA orZeku esa fVdjh jsat dk LVkQ jg jgk gSA >hy ls
bruh nwjh ij vkokl gksuk mfpr ugh gSA >hy ds ikl vjxx esa ,d ou
{ks=vf/kdkjh vkokl rFkk ikoZrh esa ,d QkjsLVj vkokl cuk;k tkuk vfuok;Z
gSA

Hkouks dh lwph

Hkou ftudk gLrkUrj.k eRL; foHkkx ls ou foHkkx ¼oU; tho ifjj{k.k laxBu½ dks fd;k tkuk fopkjk/khu gSA			
Vkbi & 1	1	vjxk >hy ds fdukjsa fHkrjh ¼dksBk½ esa fLFkr	funs'kd eRL; mRiknu ¼m0iz0½ y[kuÅ ds i=akd 245@lk0'kk0
Vkbi & 2	1	vjxk >hy ds fdukjsa fHkrjh ¼dksBk½ esa fLFkr	fnuakd 24-10-1998 }kjk la;qDr lfpo] m0 iz0 'kklu] eRL; mRiknu
Vkbi & 1	4	vjxk >hy ds fdukjsa fHkrjh ¼dksBk½ esa fLFkr	vuqHkkx] lfpoky; y[kuÅ dks gLrkUkkUrj.k ds fy, fy[kk x;kA mDr
dk;kZy; rFkk LVksj	1	vjxk >hy ds fdukjsa fHkrjh ¼dksBk½ esa fLFkr	Hkouks esa ou foHkkx ds deZpkjh jgrs gSA dk;Zky; Hkou esa jsat dk;Zky; gSA
12 Hkouksa dh ,d dkyksuh tks 6-8280 gs0 Hkwfe ij fLFkr gSA	12	ikoZrh >hy ds ikl ikoZrh xzke esa eudkiqj^& uokcxat ekxZ ds fdukjs fLFkr gSA	eRL; foHkkx ds dCts esa gS dksb mi;ksx ugh gks jgk gSA 6-8280 gs0 Hkwfe ds lkFk gLrkUrj.k gsrq izHkkxh; oU; lksgsyok o0th0iz0 cyjkeiqj }kjk funsld eRl m0iz0 y[kuÅdks fy[kk x;k gSA

			i=kad 4056@29&1fn- 14-3-08
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ifjf'k"v & 17

vfrØe.k

>hyksa dh iSekb'k dk dk;Z py jgk gSA vfrØe.k ugha gSA veynjen dh dk;Zokgh iw.kZ gks tkrh gSA oU; tho ¼laj{k.k½ vf/kfu;e 1972 dh /kkjk 18 ls 25 rd dh dk;Zokgh ds ckn ikoZrh vjxk i{kh fogkj ds uke dqy 693-819 gs0 Hkwfe gSA blh {ks= esa i{kh fogkj fLFkr gSA lhekadu dh dk;Zokgh py jgh gSA i{kh fogkj dh Hkwfe fuEu izdkj 8 xzkeksa esa fLFkr gSA

Ø0la0	xzke dk uke	{ks=Qy gs0 esa
1-	pUnkiqj	417-000
2-	cgknqjk	34-192
3-	gfjgjiqj	10-278
4-	xkSfj;k	20-801

5-	e/kokiqj	22-585
6-	fr[kfM+;k	24-581
7-	y{euiqj	5-022
8-	dksBk	159-360
	dqy {ks=Qy	603-819

xzke dksBk rFkk cgknqjk dk lhekadu dk;Z iw.kZ gks pqdk gSA
lhek dks lhekLrEHk@lqj{kk[kkbZ ls lqjf{kr fd;k tk jgk gSA y{euiqj]
xkSfj;k] fr[kfM+;k] e/kokiqj] gfjgjiqj rFkk pUnkiqj esa lhekadu dk;Z
djk;k tk jgk gSA

ifj'k"V & 18

lajf{kr {ks= rFkk cQj tksu esa iM+us okys rhFkZ LFkyksa dh lwph

lajf{kr {ks= ds vUnj dksbZ rhFkZLFky efUnj ugh gS ijUrQ >hyksa ls
IVs gq;s fuEu efUnj gS &

vjxk >hy ds fdukjs &

y{euiqj xkWo esa & guqeku th] 'kadj th dk
efUnjA

o"kZ esa nks ckj esyk yxrk gSA

xkSfj;k xkWo esa & 'kadj th dk efUnj A

ikoZrh >hy ds fdukjs &

cgknqjk xzke & 'kadj th dk efUnj A

ikoZrh xzke & 'kadj th dk efUnj A

cgknqjk ¼ljdkjhiqjok½ & f'ko efUnj A

pUnkiqj & f'ko efUnj A

eq[; rhFkZ LFky v;ks/;k dh nwjh i{kh fogkj ls yxHkx 25 fdeh0

gSA

ifj'k"V & 19

ikoZrh vjxk i{kh fogkj esa fn[kus okys if{k;ksa dh lwph

Sl.No.	Name	Scientific Name
1.	GREAT CRESTED GREBE	<i>Podiceps cristatus</i>
2.	LITTLE GREBE	<i>Tachybaptus ruficollis</i>
3.	GREAT WHITE PELICAN	<i>Pelecanus onocrotalus</i>
4.	INDIAN CORMORANT	<i>Phalacrocorax fuscicollis</i>
5.	LITTLE CORMORANT	<i>Phalacrocorax inger</i>
6.	DARTER	<i>Anhinga melanogaster*</i>
7.	GREY HERON	<i>Ardea cinerea</i>
8.	PURPLE HERON	<i>Ardea purpurea</i>
9.	LITTLE HERON	<i>Butorides striatus</i>
10.	INDIAN POND HERON	<i>Ardeola grayii</i>
11.	CATTLE EGRET	<i>Bubulcus ibis</i>
12.	GREAT EGRET	<i>Casmerodius albus</i>
13.	INTERMEDIATE EGRET	<i>Mesophoyx intermedia</i>
14.	LITTLE EGRET	<i>Egretta garzetta</i>
15.	BLACK-CROWNED N. HERON	<i>Nycticorax nycticorax</i>
16.	LITTLE BITTERN	<i>Ixobrychus minutus R</i>
17.	CINNAMON BITTERN	<i>Ixobrychus cinnamomeus</i>

18.	PAINTED STORK	<i>Mycteria leucocephala</i>
19.	ASIAN OPENBILL	<i>Anastomus oscitans</i>
20.	WOOLLY-NECKED STORK	<i>Ciconia episcopus</i>
21.	BLACK-NECKED STORK	<i>Ephippiorhynchus asiaticus*</i>
22.	BLACK-HEADED IBIS	<i>Threskiornis melanocephalus*</i>
23.	BLACK IBIS	<i>Pseudibis papillosa</i>
24.	GLOSSY IBIS	<i>Plegadis falcinellus</i>
25.	EURASIAN SPONBILL	<i>Platalea leucorodia</i>
26.	GREYLAG GOOSE	<i>Anser anser</i>
27.	BAR-HEADED GOOSE	<i>Anser indicus</i>
28.	LESSER WHISTLING TEAL	<i>Dendrocygna javanica</i>
29.	RUDDY SHELDUCK	<i>Tadorna ferruginea</i>
30.	COMMON SHELDUCK	<i>Tadorna tadorna R</i>
31.	NORTHERN PINTAIL	<i>Anas acuta</i>
32.	COMMON TEAL	<i>Anas crecca</i>
33.	SPOT-BILLED DUCK	<i>Anas poecilorhyncha</i>
34.	MALLARD	<i>Anas platyrhynchos</i>
35.	GADWALL	<i>Anas strepera</i>
36.	EURASIAN WIGEON	<i>Anas penelope</i>
37.	GARGANEY	<i>Anas querquedula</i>

38.	NORTHERN SHOVELLER	<i>Anas querquedula</i>
39.	RED-CRESTED POCHARD	<i>Rhodonessa rufina</i>
40.	COMMON POCHARD	<i>Aythya ferina</i>
41.	FERRUGINOUS POCHARD	<i>Aythya nyroca*</i>
42.	TUFTED DUCK	<i>Aythya fuligula</i>
43.	COTTON PYGMY-GOOSE	<i>Nettapus coromandelianus</i>
44.	COMB DUCK	<i>Sarkidiornis melanotos</i>
45.	BLACK-SHOULDERED KITE	<i>Elanus caeruleus</i>
46.	BLACK KITE	<i>Milvus migrans lineatus</i>
47.	BRAHMINY KITE	<i>Hailastur indus</i>
48.	SHIKRA	<i>Accipiter badius</i>
49.	EURASIAN SPARROWHAWK	<i>Accipiter nisus</i>
50.	TAWNY EAGLE	<i>Aquila rapaz vindhiana</i>
51.	GREATER SPOTTED EAGLE	<i>Aquila clanga</i>
52.	GREY-HEADED FISH EAGLE	<i>Ichthyophaga ichjthyaetus*</i>
53.	LONG-BILLED VULTURE	<i>Gyps indicus</i>
54.	WHITERRUMPED VULTURE	<i>Gyps bengalensis*</i>
55.	EGYPTIAN VULTURE	<i>Neophron percnopterus</i>
56.	EURASIAN MARSH HARRIER	<i>Circus aeruginosus</i>
57.	GREY FRANCOLIN	<i>Francolinus pondicerianus</i>

58.	SARUS CRANE	<i>Grus antigone*</i>
59.	DEMOISELLE CRANE	<i>Grus virgo R</i>
60.	WHITE-BREASTED WATERHEN	<i>Amaurornis phoenicurus</i>
61.	WATER COCK	<i>Gallicrex cinerea</i>
62.	COMMON MOORHEN	<i>Gallinula chloropus</i>
63.	PURPLE MOORHEN	<i>Porphyrio porphyrio</i>
64.	COMMON COOT	<i>Fulica atra</i>
65.	PHEASANT-TAILED JACANA	<i>Hydrophasianus chirurgus</i>
66.	BRONZE-WINGED JACANA	<i>Metopidius indicus</i>
67.	RED-WATTLED LAPWING	<i>Vanellus indicus</i>
68.	LITTLERINGED PLOVER	<i>Charadrius dubius</i>
69.	KENTISH PLOVER	<i>Charadrius alexandrinus</i>
70.	SPOTTED REDSHANK	<i>Tringa erythropus</i>
71.	COMMON REDSHANK	<i>Tringa totanus</i>
72.	MARSH SANDPIPER	<i>Tringa stagnatilis</i>
73.	COMMON SANDPIPER	<i>Tringa nebularia</i>
74.	GREEN SANDPIPER	<i>Tringa ochropus</i>
75.	COMMON SANDPIPER	<i>Tringa hypoleucos</i>
76.	COMMON SNIPE	<i>Gallinago gallinago</i>
77.	LITTLE STINT	<i>Calidris minuta</i>
78.	TEMMINCK'S STINT	<i>Calidris temminckii</i>

79.	RUFF AND REEVE	<i>Philomachus pugnax</i>
80.	BLACK-WINGED STILT	<i>Himantopus himantopus</i>
81.	PIED AVOCET	<i>Recurvirostra avosetta</i>
82.	EURASIAN THICK-KNEE	<i>Burhinus oedicnemus</i>
83.	YELLOW LEGGED GULL	<i>Larus cachinnans</i>
84.	BROWN-HEADED GULL	<i>Larus brunnicephalus</i>
85.	GULL-BILLED TERN	<i>Gelochelidon nilotica</i>
86.	RIVER TERN	<i>Sterna aurantia</i>
87.	YELLOW-FOOTED GREEN PIGEON	<i>Treron phoenicoptera</i>
88.	ROCK PIGEON	<i>Columba livia</i>
89.	EURASIAN COLLARED DOVE	<i>Streptopelia decaocto</i>
90.	SPOTTED DOVE	<i>Streptopelia chinensis</i>
91.	LAUGHINE DOVE	<i>Streptopelia senegalensis</i>
92.	ROSE-RINGED PARAKEET	<i>Psittacula krameri</i>
93.	PLUM-HEADED PARAKEET	<i>Psittacula cyanocephala</i>
94.	PIED CUCKOO	<i>Clamator jacobinus</i>
95.	INDIAN CUCKOO	<i>Cuculus micropterus</i>
96.	ASIAN KOEL	<i>Eudynamis scolopacea</i>
97.	GREATER COUCAL	<i>Centropus sinensis</i>
98.	SPOTTED OWLET	<i>Althene brama</i>
99.	INDIAN NIGHTJAR	<i>Caprimulgus asisticus</i>

100.	HOUSE SWIFT	<i>Apus affinis</i>
101.	ASIAN PALUM SWIFT	<i>Cypsiurus balasiensis</i>
102.	PIED KINGFISHER	<i>Ceryle rudis</i>
103.	COMMON KINGFISHER	<i>Alcedo atthis</i>
104.	WHITE-THROATED K.F.	<i>Halcyon smyrnensis</i>
105.	BLUE-TAILED BEE-EATER	<i>Merops philippinus</i>
106.	GREEN BEE-EATER	<i>Merops orientalis</i>
107.	INDIAN ROLLER	<i>Coracias benghalensis</i>
108.	COMMON HOOPOE	<i>Upupa epops</i>
109.	BROWN-HEADED BARBET	<i>Megalaima zeylanica</i>
110.	COPPERSMITH BARBET	<i>Megalaima haemacephala</i>
111.	CRESTED LARK	<i>Galerida cristata</i>
112.	DUSKY CARG MARTIN	<i>Hirundo concolor</i>
113.	BARN SWALLOW	<i>Hirundo rustica</i>
114.	WIRE-TAILED SWALLOW	<i>Hirundo smithii</i>
115.	RED-RUMPED SWALLOW	<i>Hirundo daurica</i>
116.	BROWN SHRIKE	<i>Lanius cristatus</i>
117.	BLACK DRONGO	<i>Dicrurus adsimilis</i>
118.	BRAHMINY STARLING	<i>Sturnus pagodarum</i>
119.	COMMON STARLING	<i>Sturnus vulgaris</i>
120.	ASIAN PIED STARLING	<i>Sturnus contra</i>

121.	COMMON MYNA	<i>Acridotheres tristis</i>
122.	BANK MYNA	<i>Acridotheres ginginianus</i>
123.	RUFOUS TREEPIE	<i>Dendrocitta vagabunda</i>
124.	HOUSE CROW	<i>Corvus splendens</i>
125.	LARGE-BILLED CROW	<i>Corvus macrorhynchos</i>
126.	RED-WHISKERED BULBUL	<i>Pycnonotus jocosus</i>
127.	RED-VENTED BULBUL	<i>Pycnonotus cafer</i>
128.	JUNGLE BABBLER	<i>Turdoides striatus</i>
129.	ASHY PRINIA	<i>Prinia socialis</i>
130.	TAILOR BIRD	<i>Orthotomus sutorius</i>
131.	CLAMOROUS REED WARBLER	<i>Acrocephalus stentoreus</i>
132.	BLYTH'S REED WARBLER	<i>Acrocephalus dumetorum</i>
133.	PADDY FIELD WARBLER	<i>Acrocephalus agricola</i>
134.	LESSER WHITETHROAT	<i>Sylvia curruca</i>
135.	COMMON CHIFCHAFF	<i>Phylloscopus collybita</i>
136.	BROWN ROCK CHAT	<i>Cercomela fusca</i>
137.	INDIAN ROBIN	<i>Saxicoloides fulicata</i>
138.	PADDY FIELD PIPIT	<i>Anthus novaesselandiae</i>
139.	TAWNY PIPIT	<i>Anthus campestris</i>
140.	YELLOW WAGTAIL	<i>Motacilla flava</i>
141.	CITRINE WAGTAIL	<i>Motacilla citreola</i>

142.	GREY WAGTAIL	<i>Motacilla caspica</i>
143.	WHITE WAGTAIL	<i>Motacilla alba</i>
144.	WHITE-BROWED WAGTAIL	<i>Motacilla maderaspatensis</i>
145.	PURPLE SUNBIRD	<i>Nectarinia asiatica</i>
146.	ORIENTAL WHITE-EYE	<i>Zosterops palpebrosa</i>
147.	HOUSE SPARROW	<i>Passer domesticus</i>
148.	CHESTNUT-SHOULDER PETRONIA	<i>Petronia zanthocollis</i>
149.	BAYA WEAVER	<i>Ploceus philippinus</i>
150.	STREAKED WEAVER	<i>Ploceus manyar</i>
151.	RED AVADAVAT	<i>Estrilda amondava</i>
152.	INDIAN SILVERBILL	<i>Lonchura malabarica</i>
153.	SCALY-BREASTED MUNIA	<i>Lonchura punctulata</i>

* **Globally threatened species,**

R Vagrant or very rarely recorded species.

ifjf'k"V&20

THE WILD LIFE (Protection)ACT, 1972 SCHEDULE 1 PART III

BIRDS

Andamant Teal (*Anas gibberifrons allagularis*)
Assam bamboo partridge (*Bambusicola fytchii*)
Bazas (*Aviceda jeordone* and *Aviceda leuphotes*)
Bengal florican (*Eupodotis bengalensis*)
Black necked crane (*Grus nigricollis*)
Blood pheasants (*Ithaginis cruentustiletanus*)
Cheer pheasants (*Caterus wallichii*)
Eastern white stork (*Ciconia ciconia boyciana*)
Forest spotted owlet (*Athene blewitti*)
Frogmouths (*Genus batrachostomus*)
Great Indian bustard (*Choriotis nigriceps*)
Hawks (*Fam, Accipitridae*)
Hooded Crane (*Grun monacha*)
Hornbills (*Ptilolaemus tickelli austeri, Aceros nipalensis, Rhyticeros undulatus ticehursti*)
Houbare bustard (*Chlamydotis undulata*)
Humes Bar-backed Pheasant (*Syrmaticus humiae*)
Indis Pied Hornbill (*Anthracoceros malabaricus*)
Jerdon's courser (*Cursorius bitorquatus*)
Lammergeies (*Gypaetus barbatus*)
Large Falcons (*Falco peregrinus, F. biarmicus, F. chicuera*)
Large Whistling Teal (*Dendrocygna bicolor*)
Lesser Horican (*Sypheotider indica*)
Monal pheasant (*Lophophorus impeyanus, L. sclateri*)
Mountain quail (*Ophrysia superciliosa*)
Narcodam Hornbill (*Rhyticeros (undulatus) narcondami*)
Nicobar Pigeon (*Caloenas nicobarica pelewensis*)
Nicobar Megapode (*Megapodius freycinet*)
Osprey or fish eating eagle (*Pandion haliaetus*)
Peacock pheasant (*Polyplectron bicalcaratum*)

Peafowl (*Pavo cristatus*)
Pink headed Duck (*Rhodonessa Caryophyllacea*)
Scalater's monal (*Lophophorus sclateri*)
Siberian White crane (*Grus leucogeranus*)
Tibetan Snow Cock (*Tetraogallus tibetanus*)
Tragopan Pheasants (*Tragopan melanocephalus*, *T. blythii*, *T. satyra*,
T. temminckii)
White-bellied Sea Eagle (*Haliaeetus Leucogaster*)
White-eared Pheasant (*Crossoptilon crossoptilon*)
White Spoon bill (*Platalea leucorodia*)
White winged Wood Duck (*Cairina scutulata*)

THE WILD LIFE (PROTECTION) ACT 1972
SCHEDULE III
sec Sec. 2,8,9,11 and 61

Barkingdeer or muntjæ (*Muntiacus muntjak*)
Chital or spotted deer (*Axis axis*)
Gorals (*Nemorhaedus goral*, *N. hodgsoni*)
Hog deer (*Axis porcinus*)
Hyaena (*Hyaena hyaena*)
Nilgiri (*Boselaphus tragocamelus*)
Sambar (*Cervus unicolor*)
Wild pig (*Sus scrofa*)

SCHEDULE IV

Birds (Other than those which appears in other schedules)

1. Avodavat (*Estrildiane*)
2. Avocet (*Recurvirostridal*)
3. Babblers (*Timaliinae*)
4. Barbets (*Capitonidae*)
5. Barnowls (*Tytonknae*)
6. Bitterns (*Ardeidae*)
7. Brown headed gull (*Larus brunnicephalus*)
8. Bulbuls (*Pycnonotidae*)
9. Buntings (*Emberizidae*)
10. Bustorda (*Otididac*)
11. Bustard quails (*Turnicidae*)
12. Chloropsis (*Irenidae*)
13. Comb duck (*Sarkidiornis melanotes*)
14. Coots (*Rallidae*)
15. Cormorants (*Phala crocoracidae*)
16. Carmes (*Griudae*)
17. Cuckoos (*Cuculidae*)
18. Darters (*Phalacrocoracidae*)
19. Doves including the Emerald dore (*Columbidae*)
20. Drongos (*Dicruridae*)
21. Ducks (*Anatidae*)
22. Egrets (*Ardeidae*)
23. Fiary Blue Birds (*Irenidae*)

24. Falcous (*Falconidae*)
25. Finches including the chaffinch (*Fringillidae*)
26. Flamingos (*Phoenicopteridae*)
27. Flowerpecker (*Dicaeidae*)
28. Flycatchers (*Muscicapidae*)
29. Geese (*Anatidae*)
30. God finch and allies (*Cardueliane*)
31. Gerbes (*Podicipitidae*)
32. Herons (*Ardeidae*)
33. Ibises (*Threskiornithidae*)
34. Lorars (*Irenidae*)
35. Jays (*Corvidae*)
36. Jacanas (*Jacanidae*) 36a. Jungal fowl (*Phasianidae*)
37. Kingfishers (*Alcedinidae*)
38. Larks (*Alaudidae*)
39. Lorikeets (*Psittacidae*)
40. Magpies including the hunting magpie (*Coruidae*)
41. Mannikins (*Estrildinae*)
42. Megapodes (*Megapodidae*)
43. Minivets (*Campephagidae*)
44. Munias (*Estrildinae*)
45. Mynas (*Sturnidae*)
46. Night Jars (*Coprimulgidae*)
47. Orioles (*Oriolidae*)
48. Owls (*Strigidae*)
49. Oystercatchers (*Heamatopodidae*)
50. Parakeets (*Psittacidae*)
51. Partridges (*Phasianidal*)
52. Pelicans (*Pelecanidae*)
53. Pheasants (*Phasianidae*)
54. Pigeons (*Columbidae*) Except the Blue rock Frigcon (*Columba livia*)
55. Pipits (*Motacillidae*) 55A. Pittas (*Pittidae*)
56. Plovers (*Charadriinae*)
57. Quails (*Phasianidae*)
58. Rails (*Rallidae*)
59. Rollers or Blue Jays (*Coraciidae*)
60. Sandgrouses (*Pteroclididae*)
61. Sandpipers (*Scolopacinae*)
62. Snipes (*Scolopacinae*)
63. Sprufowls (*Phasianidae*)

64. Starlings (*Sturnidae*)
65. Stone curlew (*Burhinidae*)
66. Storks (*Ciconiidae*)
67. Stilts (*Recurvirostridae*)
68. Sunbirds (*Nectariniidae*)
69. Swans (Sic) (*Anatidae*)
70. Teals (*Anatidae*)
71. Thrushes (*Turdinae*)
72. Tits (*Paridae*)
73. Tree pies (*Corvidae*)
74. Trogons (*Trogonidae*)
75. Vultures (*Accipitridae*)
76. Waxbills (*Estrildinae*)
77. Weaver birds or bayas (*Ploceidae*)
78. White eyes (*Zosteropidae*)
79. Wood peckers (*Picidae*)
80. Wrens (*Troglodytidae*)

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2	e/kokiqj	22-585	jktLo vfHkys[k esa veynjken dh dk;Zokgh gks pqdh gSA
3	fr[kfM+;k	24-581	jktLo vfHkys[k esa veynjken dh dk;Zokgh gks pqdh gSA
4	y{euiqj	5-022	jktLo vfHkys[k esa veynjken dh dk;Zokgh gks pqdh gSA
5	dksBk	118-402	jktLo vfHkys[k esa veynjken dh dk;Zokgh gks pqdh gSA
dqy ;ksx		191-391 gs0	

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2	cgknqjk	34-192	jktLo vfHkys[k esa veynjken dh dk;Zokgh gks pqdh gSA
3	gfjgjiqj	10-278	jktLo vfHkys[k esa veynjken dh dk;Zokgh gks pqdh gSA
4-	dksBk	40-958	jktLo vfHkys[k esa veynjken dh dk;Zokgh gks pqdh gSA
dqy ;ksx		502-428 gs0	

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191-391 gs0 dqy 693-819 gs0 i{kfh fogkj ds i{k esa
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214fe0/4-00, 340/0-93, 456 fe0/0-76, 459/0-39, 495/2-32, 496 fe0/2-29,
497 fe0//2-22, 498 fe0//2-32, 499 fe0//0-37, 670/0-58, 813/0-76, 850 fe0//2-
83, 851/3-77, 874 fe0//81-79, 946 fe0//23-11, 997/0-58, 1490/1-29, 1491/1-21,
1492 fe0//0-36, 1502/0-09, 1534 fe0//26-56, 1546/12-78, 1572/2-36, 1571
fe0//6-24, 1573/14-70, 1574 fe0//59-41, 1575 fe0//0-30, 1586/1-32, 1704/0-
45, 1753 fe0//1-10, 1758/15-19, 1759 fe0//0-30, 1760 fe0//0-60, 1761 fe0//0-
05, 1764/0-47, 1773/0-16, 2168/8-96, 2196/1-68, 2171/1-56, 2172/0-70,
2173/0-89, 2177 fe0//7-21, 2178/1-28, 1765/0-30, 1766/0-51, 1767/0-18,
1768/0-22, 2179/3-99, 2181 fe0//0-24, 2198 fe0//0-49, 2199/0-94, 2200/1-14,
2202 fe0//0-34, 2204/1-35, 2210/0-16, 2214/0-10, 2218/0-96, 2219 fe0//0-34,
2220/0-67, 2222/0-46, 2223/0-32, 2224/1-37, 2225 fe0//4-52, 2226/0-47,
2227/0-50, 2228/0-26, 2229/0-34, 2230/0-08, 2231/0-23, 2232/0-42, 2233/0-25,
2234/0-19, 2235/0-32, 2236/0-65, 2237/0-30, 2238/0-53, 2239/0-34, 2240/0-15,
2241 fe0//0-60, 2242/0-37, 2244/1-16, 2243/0-27, 2245/0-79, 2246/0-82,
2247/0-27, 2248/0-46, 2249/1-67, 2250/0-20, 2251/0-94, 2252/0-44, 2253/0-32,
2254/0-53, 2255/0-52, 2256/0-95, 2258/0-30, 2259/0-22, 2260/0-24, 2261/1-18,
2262/8-47, 2263/18-80, 2264/17-62, 2357/18-90, 2358/47-60, 2359/0-87,
2360/0-08, 2428/1-30, 2433/0-07, 2434/0-03, 2435/0-58, 2436/0-04, 2450
fe0//17-44, 2451/8-52, 2475/0-12, 2478/2-48, 2479/0-11, 2485/0-13, 2486/0-
06, 2496/0-86, 2497/0-12, 2498/0-06, 2499/0-04, 2500/0-24, 2501/0-33,
2502/1-27, 2504 fe0//0-11, 2506/0-23, 2507/0-26, 2508/44-76, 2509 fe0//0-56,
2516 fe0//0-16, 2517 fe0//0-52, 2518/0-44, 2519 fe0//0-73, 2751/0-99,
2752/0-19, 2755/0-39, 2757/0-22, 2758 fe0//0-11, 2759/0-57, 2760/0-30,
2761/0-76, 2762/1-62, 2763/12-2, 2764/0-64, 2765/0-54, 2766/0-29, 2767
fe0//0-27, 2768/0-44, 2773/0-20, 2774/0-35, 2775/0-77, 2776/0-84, 2777/0-53,
2778/14-72, 2779/1-28, 2780/0-46, 2785 fe0//0-30, 2786/0-99, 2787 fe0//0-17,
2793/0-41, 2800/14-67, 2804/0-20, 2805/0-26, 2806/0-26, 2807/0-73, 2808/1-
14, 2809/0-63, 2813/0-19, 2814/0-40, 2815/0-42, 2827/0-09, 3006/0-20,
3007/0-30, 3009 fe0//0-20, 3012/0-79, 3013/0-20, 3014/0-36, 3015/0-20,
3016/0-17, 3018/0-38, 3019/1-53, 3020/0-27, 3021/0-12, 3022/0-32, 3017/0-26,

3023/0-14, 3024 fe0//0-04, 3025fe0/0-30, 3026/1-36, 3027/36-58, 3028/0-94, 3029/0-55, 3030/2-69, 3031/0-43, 3032 fe0//0-82, 3061 fe0//0-26, 3065 fe0//2-12, 3067/14-65, 3068/5-69, 3069/1-06, 3070 fe0//0-38, 3071/3-85, 3073 fe0//0-25, fe0/1-04, 3076/0-36, 3077/0-36, 3078/0-48, 3079/0-79, 3080/0-24, 3081/0-33, 3082 fe0//10-32, 3083/19-57, 3084/16-59, fe0/3-00, 3086/2-70, 3087/1-06, 3088/0-76, 3089/1-64, 3090/5-56, 3091/1-85, 3092/1-89, 3093/2-27, 3094/0-27, 3095/0-42, 3096/1-27, 3097/0-78, 3098/0-92, 3099/1-00, 3100/1-78, 3102/2-28, 3159/0-69, 3540/1-34, 3559/2-00, 3569 fe0//0-30, 3574/3-28, 3577 fe0//0-01, 3578 fe0//1-02, 3695/0-18, 3696/0-07, 3807 fe0//3-29, 3809/0-59, 3866/0-12, 3900 fe0//2-00, 3911/0-22, 3912/1-35, 3913/1-64, 3914/1-74, 3915/2-79, 3917 fe0//1-66, 3918/0-86, 3925/1-28, 3927/0-08, 3984/0-42, 4033/0-28, 4034/0-61, 4043/0-07, 4057/0-03, 4058/0-16, 4061/2-01, 4062/5-11, 4068/1-25, 4100 fe0//1-66, 4101/0-91, 4153/13-98, 4154/5-14, 4157 fe0//3-20, 4158/2-20, 4149/2-35, 4160/68-24, 4161/25-05, 4162/26.05, 4163/5-92, 4164/19-70, 4165/31-50, 4166/9-72, 4167/3-55, 4168/14-70, 4170/11-20, 4169/3-70, 4171/3-57, 4172/3-50, 4173/0-54, 4174/1-88, 4175/2-80, 4176/2-25, 4177/2-60, 4178/4-30, 4179/10-8 dqy 284 fdrk jDck 1024-38 ,dM+ ¼417-00 gs0½

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cgknqjk	697	118@22-49] 318@20-73] 319@21-39] 354@19-88 dqy 4 fdrk 84-47 ,dM+ ¼34-192 gs0½
gfjgjiqj	506	308@0-570] 465@0-390] 723@0-660] 811@0-085] 978fe00@8-573 dqy 5 fdrk jdck 10-278 gs0
xkSfj;k	371	312@51-40 ,dM+

e/kokiqj	&	48l@55-81 ,dM+
fr[kfM+;k	136	296M-@60-74 ,dM+
y{euiqj	219	93@0-60] 97p@11-81 dqy 2 fdrk jdck 12-41 ,dM+
dksBk	622	161@32-00] 642@2-15] 643@14-11] 644@51-35] 645@38-25] 646@27-50] 647@16-88] 834fe0@3-38] 835@6-95] 885@2-18] 1132@0-38] 1133@1-28] 1134@4-16] 1135@1-11] 1136@0-16] 1137@0-16] 1138@0-28] 1139@0-79] 1140@0-38] 1141@0-37] 1142fe0@0-82] 1143@10-08] 1144@0-24] 1145@0-23] 1146@1-06] 1147@1-13] 1149@1-83] 1150@0-44] 1151@0-31] 1152@1-02] 1153@1-27] 1154@1-03] 1155@0-25] 1156@0-31] 1157@0-31] 1158@0-17] 1159@0-07] 1160@0-17] 1161@0-17] 1162@0-07] 1163@0-20] 1164@0-45] 1165@0-49] 1166@0-25]

		1167@0-17] 1168@0-21] 1169@0-64] 1170@21-25] 1171@47-40] 1591@7-36] 1667@35-63 dqy 51 fdrk 338-95 ,dM+ ;k 135-960 gs0
dksBk	er#d uEcjku	1467@3-35] 1468@20-90] 1469@0-18] 1533@15-62] 1590@10-00] 1172fe00@7-75 dqy 6 fdrk jdck 57-80 ,dM+

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REGISTERED NO. A 388

Government Gazette
OF THE UTTAR PRADESH
PUBLISHED BY AUTHORITY
EXTRA ORDINARY
LUCKNOW; TUESDAY AUGUST 11, 1953
GOVERNMENT OF UTTAR PRADESH
REVENUE (A) DEPARTMENT
NO. 5436/I.A – 1562-1953
Dated Lucknow, August 11, 1953

NOTIFICATION

In exercise of powers conferred by section 117 of Uttar Pradesh Zamindari Abolition and Land Reforms Act. 1950 (Act I of 1951) the Governor is pleased to declare that as from the date of this notification all tanks, ponds, fisheries and water channels, other those specified in the Schedule annexed hereto, situate in a circle had vested in the state under the said Act, shall vest in the Gaon Samaj established for the circle.

SCHEDULE

Particulars of Tanks, Ponds, Fisheries, Water Channels which shall not vest in the Gaon Samajs

LIST-I

District	Tashil	Village	Name of plot number of tanks, ponds and fisheries	Area in acres
1	2	3	4	5
Meerut	Ghaziabad	Hasanpur Mussoorise Dhaulana Dhaulana	1. plot no. 898 2. plot no. 715 3. plot no. 2213 4. plot no. 2166	149.4 76.1 16.15 17.13
District	Tashil	Village	Name of plot	Area in

			number of tanks, ponds and fisheries	acres
Gonda	Balrampur	Balrampur	1. Gidhrahya	2.06
		Bhagnawan (Balrampur)	2. Bhagnawan	100.00
		Kakra (Balrampur)	3. Kakra	100.00
	Utraula	Barahwakot	4. plot no. 189/1 755/1 825/1 835/1	115.89
		Karaugarh	5. Ditto 1/1	259.38
		Chitarpara	6. Ditto 3858 1098	168.2
		Tilhar	7. Tilhar	Above 3 Acres
		Bihrampur	8. plot no. 2412/1	73.68
	Tarabganj	Madhopur	9. Ditto no. 736	24.5
		Barel	10. Bareil	Above 3 Acres
		Arga	11. Arga	Ditto
		Parbati	12. Parbati	Ditto
		Kondar	13. plot no. 986 1627 1661 1826	375.49
District	Tashil	Village	Name of plot	Area in

			number of tanks, ponds and fisheries	acres
Bahraich	Sadar	Baghaltal	1. Baghaltal	1097.49
		Samgarha	2. Bariyar	51.97
	Nanpara	Baghaauli	3. Gangaur	226.48
	Kaisarganj	Hathi Chak	4. Maliatal	170.7
	Fakhurpur		5. Dahauratal	368.6
Sultanpur	Sadar	Dhobaghata (Loharamau)	1. Dhobaghata	(N)
		Sultanpur	2. Sawarmau	(N)
		Sultanpur	3. Ahmane (Chobe Ki Garhi)	(N)
		Sultanpur	4. Ahimancy Ki Garhi	(N)
		Sultanpur	5. Lobha Hasanpur	(N)
		Sultanpur	6. Ishwardas Tank	(N)
		Sultanpur	Mahi Tara	(N)
		Sultanpur	8. Nimahantal	(N)
		Sultanpur	9. Bahin Ka tal	(N)
		Sultanpur	10. Tarawan	(N)
		Bisapur	11. Talia Ki Garhi	(N)

District	Tashil	Village	Name of plot	Area in
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			number of tanks, ponds and fisheries	acres
		Bisapur	12. Sahergandi	(N)
		Bisapur	13. Dube Ki Garhi	(N)
		Pyare patti	14. Gaon Ka tal	(N)
		Sheonathganj	15. Sheonathganj	(N)
		Sultanpur	16. Khainchala (Karamain)	(N)
		Sultanpur	17. Glib Sahib Pond	(N)
		Sultanpur	18. Lal Dobhi	(N)
		Sultanpur	19. Garha	(N)
		Dwarkaganj	20. Dawarkaganj 1 and 2	(N)
		Karawa	21. Karawa	3.00
		Deokali	22. Dcokali	4.00

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Water Chemistry

1. Physical Parameters

a. pH

The pH test measures the hydrogen ion concentration of water. It provides a gauge of the relative acid/base nature of a water sample. The pH of water determines the solubility and biological availability of chemical constituents such as nutrients (phosphorus, nitrogen, and carbon) and heavy metals (lead, copper, cadmium, etc.). For example, in addition to affecting how much and

what form of phosphorus is most abundant in the water, pH also determines whether aquatic life can use it. Metals tend to be more toxic at lower pH, because they are more soluble.

Optimal Levels

- pH values between 7.0 and 8.0 are optimal for supporting a diverse aquatic ecosystem.
- A pH range between 6.5 and 8.5 is generally suitable.

Acid conditions are highly detrimental to aquatic macro invertebrates and fish. If pH declines below 6.5, few eggs hatch and aquatic insect levels drop.

The pH values in the water samples tested from Argah lake were 7.74 and that in Parvati were 7.93. These are optimal values for sustaining healthy aquatic system.

b. Electrical Conductivity

Electrical Conductivity is a measure of the capacity of water to conduct an electric current. A higher value of conductivity means that the water is a better electrical conductor. The unit of measure for conductance can be expressed in two ways:

- **Micro Sieman per centimeter of water measured at a temperature of 25 degree Celsius (abbreviated S/cm @ 25° C).**
- **Micromhos per centimeter (abbreviated micromhos/cm or mhos/cm).**

The amount of dissolved salts in water will affect the conductivity of electricity. The more dissolved mineral salts, the higher the conductivity. This is because of the presence of dissolved ions from the mineral salts. Conductivity is also increased by higher temperatures. Although the conductivity of water will not tell us which mineral salt are present, this measure gives us an index of their level. High levels of mineral salts in fresh waters can affect animal and plant survival and reproduction.

The Role of Electrical Conductivity in Water bodies:

Electrical conductivity increases when more of any salt including the most common one, sodium chloride, is dissolved in water. For this reason, conductivity is often used as an indirect measure of the salt concentration in waterbodies. In general, waters with more salts are the more productive ones - except, of course, where there are limiting nutrients or limiting environment factors involved. Natural factors can also cause higher conductivity values in the open water. For example, drought conditions can increase the salt concentrations in a water body in two ways: (1) drought can cause inflowing waters to have higher salt concentrations, and (2) heat and low humidity can increase the rate of evaporation in open water, leaving the waterbody with a higher concentration of salt. Because animal and human wastes (sewage, feed lot effluent, etc.) contain salts, the measurement of conductivity can be used for the detection of contamination. It's important to keep in mind that elevated conductance measurements may have various causes and do not by themselves prove there is contamination from human or animal wastes.

The EC values in the water samples tested from Argah lake were 249 S/cm@ 25° C and in Parvati were 286 S/cm@ 25° C. These are optimal values for sustaining healthy aquatic system.

C. Total Dissolved Solids

The total amount of ions in the water is called the **TDS** (total dissolved salt, or total **dissolved solids concentration**). Both the concentration of TDS and the relative amounts or ratios of different ions influence the species of organisms that can best survive in the water body, in addition to affecting many important chemical reactions that occur in the water.

TDS values in the water samples tested from Argah lake were 123 ppm and that in Parvati were 142.1 ppm. These values are within the optimal range.

d. Dissolved Oxygen

Like terrestrial animals, fish and other aquatic organisms need oxygen to live. Oxygen can be present in the water, but at too low a concentration to sustain aquatic life. Dissolved oxygen (DO) is a critical water quality parameter indicating the health of an aquatic system. DO is the measurement of oxygen dissolved in water and available for fish and other aquatic life. **Optimal Levels of Dissolved Oxygen** are **Optimal-9 mg/l; Acceptable-7-8 mg/l; Poor-3.6-6 mg/l**. Levels below 3.5 mg/l are likely fatal to freshwater fishery.

Generally, a DO level of under 5mg/l is stressful to most vertebrates and cause mortality to some invertebrates.

The DO values in the water of Argah lake and in Parvati lake were optimal as both the lakes support a good fish diversity and good fish population. There have been no records of fish kill in these lakes.

2. Chemical Parameters

a. Ion Balance

Ion balance means the sum of the negative ions equals the sum of the positive cations when expressed as equivalents. These ions are usually present at concentrations expressed as mg/l (parts per million, or ppm) whereas other ions such as the nutrients phosphate, nitrate, and ammonium are present at \cdot g/L (parts per billion, or **ppb**) levels a lake contains a wide array of molecules and ions from the **weathering** of soils in the **watershed**, the atmosphere, and the lake bottom. Therefore, the chemical composition of a lake is fundamentally a function of its climate (which affects its **hydrology**) and its **basin** geology. Each lake has an ion balance of the three major **anions** and four major **cations** (see Table below).

Anions Percent Cations Percent

Ca⁺⁺

Na⁺

HCO₃⁻ 73%, Ca⁺² 63%

SO₄⁻² 16%, Mg⁺² 17%

Cl⁻ 10%, Na⁺ 15%

K⁺ 4%

Other < 1% Other < 1%

Lakes/waterbodies with high concentrations of the ions calcium (Ca⁺²) and magnesium (Mg⁺²) are called **hard water water bodies**, while those with low concentrations of these ions are called **soft water water bodies**.

Concentration of Calcium and Magnesium ions tested in water samples from Argah lake were 3.3 meq/l and that in Parvati lake were 3.0 meq/l. these are indicative that both the lakes are soft water bodies.

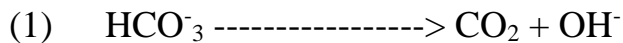
Concentrations of other ions, especially **bicarbonate**, are highly correlated with the concentrations of the hardness ions, especially Ca⁺². The ionic concentrations influence the aquatic system's ability to assimilate pollutants and maintain nutrients in **solution**. For example, calcium carbonate (CaCO₃) in the form known as **marl** can precipitate phosphate from the water and thereby remove this important nutrient from the water.

b. Carbonates and bicarbonates

Carbonate ion (CO₃⁻²) is far less common in natural waters than is the bicarbonate ion, because it exists only at higher pH values (pH > 8.3).

Carbonates were absent in the water samples tested from Argah lake and that in Parvati lake. This is because the pH of both the lakes is lower than 8.3. This is indicative of a healthy natural ecosystem.

Bicarbonate ion (HCO_3^-) is more common in waters draining from watersheds that contain carbonate rocks such as limestone and dolomite, but carbonates may also be present in other sedimentary rocks such as shales and sandstones. Carbonates are far less common in igneous and metamorphic rocks, although they may occur here as well, especially in the marbles (metamorphic) and the carbonatites (igneous). Bicarbonate ion is the most common anion in most natural freshwaters, and is the chief source of alkalinity in such waters. Bicarbonate ion levels are generally expressed in terms of calcium carbonate equivalent and are determined as part of the alkalinity procedure. Bicarbonate is an important source of carbon for higher aquatic plants and algae, although the aquatic mosses cannot use it as a carbon source. When bicarbonate is used by aquatic plants, it tends to raise water pH because a hydroxide ion is released in process of extracting carbon dioxide from the bicarbonate ion.



The Bicarbonate values in the water samples tested from Argah lake were 213.5 ppm and that in Parvati were 213.5 ppm. These are optimal values for sustaining healthy aquatic system.

c. Nutrients

Nutrients in water serve the same basic functions as nutrients in a garden. They are essential for growth. In a garden, growth and productivity are considered beneficial, but that is not necessarily so in water. The additional algae and other plant growth encouraged by the nutrients may be beneficial up to a point, but may easily become a nuisance. The main nutrients of concern are phosphorus and nitrogen. Phosphates and nitrates are associated with many

nonpoint pollution sources, such as livestock manure and urine, failing septic systems and synthetic fertilizers. (Synthetic fertilizers release their nutrients more rapidly than the slower-acting organic ones like compost and composted manure). Excessive nutrient loads can artificially stimulate plant growth resulting in algal blooms which speed up the aging process of aquatic systems.

Phosphates were below detection limits in water samples of both the lakes this is indicative that the treat from nutrient loading due to excessive use of fertilisers in the watershed is absent in this region. However, it may be noted that this is the most common threat in most of the country, as such one should bear in mind this may become a potential threat in the near future.

d. Salinity

Salinity is the saltiness of water and is influenced by leaching rock and soil formations, runoff from a watershed, atmospheric precipitation and deposition, and evaporation. It is measured in units of parts per thousand (abbreviated "ppt"). Salinity often tends to be lower in areas receiving inflows of freshwater, like the mouths of rivers. Salinity often tends to be higher in areas where the evaporation rate is high in hot, dry climates.

Chloride

Chloride is a substance found in all the world's waters. Chlorides is an ionized form of the element chlorine. Chloride compounds are used extensively in industrial operations and agriculture. For examples, the potash in fertilizer is potassium chloride. Common table salt is sodium chloride and is a necessary part of human and animal diets. Chloride levels in water bodies are affected by

several factors. Climate is a major influence. For example, chloride concentrations in water bodies in humid regions tends to be low, whereas those in semi-arid and arid regions may be hundreds of times higher because of higher rates of evaporation.

The Role of Chlorides in Water bodies:

Salts are the primary sources of chloride in water. (Note that the term "salt" includes compounds in addition to sodium chloride). Traveling by many pathways, chloride has found its way into all the world's waters. The saltiness, or chloride concentration, of water can affect plants and wildlife. For example, some species die in water that is too salty, and other die in water that is not salty enough.

The values for chlorides in the water samples tested from Argah lake were 145.55 ppm and that in Parvati were 355.5 ppm. In Argah lake these are optimal values for sustaining healthy aquatic system, however higher values in lake Parvati are indicative of some levels of pollution from domestic sources as well as the fact this lake is highly silted, hence, has higher amounts of ions and salts that have come through runoff water from immediate watershed.

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js[kk**

mRrj izns'k 'kklu ds i= la;k ;w0vks0&84@14
i0Hkw0fo0&99&63@97 ou vuqHkkx&4 fnukWad 12-5-99 }kjk tkjh &
1& izLrkouk &

jkT; esa oU; tho ,oa tSo fofo/krk ds laj{k.k ds mn~ns'; ls dbZ lajf{kr {ks= tSlS jk"V^ah; mi ou] oU; tho fogkj vkSj ck;ksfLQ;j fjtoZ LFkkfir fd;s x;s gSA

vc lajf{kr {ks=ksa ds vUnj ,oa mlDs lehiLFk {ks=ksa esa oU; tho ,oa tSo fofo/krk laj{k.k dk;ZØeksa esa LFkkuh; ykxks dh lfØ; Hkkxhnhkj dks vkSj vf/kd c<+kus ds mn~ns'; ls egkefge jkT;iky us ;g fu.kZ; fy;k x;k gS fd ikjfLFkfrdh fodkl dk;ZØeksa esa lgHkkfXrk dh uhfr viuk;h tk;sA

v/kksfyf[kr ladYi ds vuqlkj ikjfLFkfrdh fodkl ds dk;ZØe fy;s tk;saxasA

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(1) vf/kfu;e dk rkRi;Z mRrj izns'k esa viuh izo`fr ds lECU/k esa ;Fkk la'kksf/kr Hkkjrh; ou vf/kfu;e 1927 ls gSA

(2) ^okf"kZd fØ;kUo;u ;kstuk* dk vFkZ vuqeksfnr ekbØkslyku ds vk/kkj ij izfro"kZ fØ;kkfUor gksus okys fdz;k dykiksa ls gSA

(3) ^vè;{k* dk rkRi;Z vè;{k xzke ikjfLFkfrdh fodkl lfefr vkSj xzkE; ikjfLFkfrdh fodkl lfefr dh dk;Zdkjh lfefr ls gSA

(4) ^eq[; ou tho laj{k.k* dk vFkZ oU; tho laj{k.k vf/fu;e 1972 ds izkfo/kuksa ds vUrxZr fu;qDr O;fDr ls gSA

- (5) ^dk;Zdkjh lfeFr* dk rkRi;Z lkr lnL;h; lfeFr ftlesa vè;{k 'kkfey gS] ls gS] tks bl ladYi ds v/khu xFBr xzke ikfjLFkfrdh fodkl lfeFr ds iz'kklfud vkSj izcU/k lEcU/kh nkf;Roksa dk fuoZgu djsxhA
- (6) ^ou j{kD* dk rkRi;Z dk;Zdkjh bdkbZ chV ds izHkkjh O;fDr ls gSA
- (7) ^ou vf/kdkjh* dk rkRi;Z ml O;fDr ls gS ftls jkT; ljdkj us Hkkjrh; ou vf/kfu;e 1927 ds lHkh vFkok fdLh Hkh mn~ns'; dks fØ;kUo;u gsrq fu;qDr fd;k gksA
- (8) ^ou njksxk* dk rkRi;Z ml Js.kh ds O;fDr ls gS] tks lEc) vf/kdkjh ds :i esa Fkk] tks ou jsat ds vUrxZRk lSD'ku ds i;Zos{k.k dk;ksZ dks djrk gSA
- (9) ^'kklu* dk rkRi;Z mRrj izns'k ls gSA
- (10) ^jkT;iky* dk rkRi;Z jkT;iky] mRrj izns'k ls gSA
- (11) ^xzke lHkk*] ^xzke iapk;r*] ^iz/kku*] ^mi&iz/kku* vkSj ^xzke* ds vFkZ ogh gksaxs] tks muds fy, la;qDr izkUr iapk;r jkT; vf/kfu;e 1947 esa Øe'k% fn;s x;s gSA
- (12) ^ifjokj* dk vFkZ ,d bdkbZ ds :i esa ?kj esa jg jgs vf/kokfl;ksa ls gSA
- (13) ^lnL; xzke ikfjLFkfrdh fodkl j.kuhfr* dk rkRi;Z xzke esa ikfjLFkfrdh fodkl esa Hkkxhnhkj gsrq bPNqd ifjokjksa }kjk ukfer O;fDr ls gS] tks xzke ikfjLFkfrdh fodkl lfeFr esa izfrfuf/kRo djsxkA
- (14) ^ekbØkslyku* dk vFkZ xzke Lrj ij izcU/ku gsrq ikfjLFkfrdh fodkl fØ;kdykiksa dh ;kstuk ls gSA

- (15) ^lajf{kr {ks=* dk vFkZ jk"V^ah; miou] oU; tho fogkj] ,oa ck;ksfLQ;j fjtoZ ls gSA
- (16) ^izcU/kd* laajf{kr {ks=ksa dk vFkZ eq[; oU; tho laj{kd }kjk ukfer lajf{kr {ks= ds izHkkjh ou vf/kdkjh ls gSA
- (17) ^ifj;kstuk* dk vFkZ mRrj izns'k okfudh ifj;kstuk ls ls gSA
- (18) ^ifj;kstuk bdkbZ* dk rkRi;Z mRrj izns'k okfudh ifj;kstuk dh ifj;kstuk bdkbZ ls gSA
- (19) ^fu;e izk:i@izi=* dk vFkZ bl ladYi ds lkFk layXu fu;e izk:i@ izi= ls gSA
- (20) ^jsat vf/kdkjh* dk rkRi;Z dk;Zdkjh bdkbZ ds izHkkjh vf/kdkjh ls gSA
- (21) ^iszjd ny* dk rkRi;Z leqfpr rduhdh Kku okys O;fDR;ksa ds ml ny ls gS] tks xzke Lrj ij xzkeh.kksa dks ikfjfLFkfrdh fodkl ds fØ;k dykiksa dks djus esa lgk;rk iznku djsxkA
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- (23) ^oU; tho vf/kfu;e* dk rkRi;Z oU; tho laj{k.k vf/fu;e 1972 vkSj blds la'kks/ku rFkk mRrj izns'k esa blds izo`fr ds lanHkZ esa cus fu;eksa ls gSA
- (24) ^o"kZ* dk vFkZ 1 viSzy ls 31 ekpZ dh vof/k ls gSA

(25) ^dk;Zdkjh bdkbZ* dk vFkZ ml {ks=h; Hkkx ls gS ftlds iz'kklfud fu;a=.k gsrq ?kks"k.kk dh x;h gSA

(26) ^ou jsat* dk rkRi;Z ml {ks= ls gS ftldh ?kks"k.k jkT; ljdkj }kjk vf/klwpuk ls dh xbZ gks ;k fufgr izkf/kdkjh }kjk dh xbZ gksA

(27) ^Lo;a lsoh laLFkk* dk rkRi;Z O;fDr;ksa ds ml lewg ls gS tks ljdkj ds lqlaxr vf/kfu;e ds vUrxZr LoSfPNd laxBu ds :i esa iathd`r gksaA

3 &mn~ns'; &

ikfjfLFkfrdh fodkl dk;ZØe ds fuEu mn~ns'; gksxsa &

(1) lajf{kr {ks= ds vUnj rFkk ml ds pkjksa vksj jgus okys yksaxks dh vkthfodk esa leqfpr fodYi miyC/k djkr gq, bl izdkj gLr{ksi ¼eè;LFkrk½ djuk ftlls fd lajf{kr {ks= ds lalk/ku lqjf{kr jg ldsaA

(2) tSo&fofo/krk laj{k.k esa turk dh lgHkkfxrk lqfuf'pr djuka

(3) oU; tUrqvksa }kjk ekuo thou ,oa lEifRr dks de djuka

(4) lajf{kr {ks= ,oa ekuo ds vkilh la?k"kZ dks de djuka

(5) lajf{kr {ks= ds izcU/k {kerkvksa esa lq/kkj djuk ,oa lajf{kr {ks= ds lalk/kuksa dh lqj{kk esa o`f) djuka

(6) lajf{kr {ks= ds izcU/k {kerkvksa esa lq/kkj djuk ,oa lajf{kr {ks= ds lalk/kuksa dh lqj{kk esa o`f) djuka

(7) ikfjfLFkfrdh fodkl dk;ZØeksa ds ekè;e ls xzkeh.kksa dh] fu;kstu ,oa lrr~ fodkl dk;ZØeksa ds fØ;kUo;u dh {kerkvksa esa fodkl djuka

(8) lajf{kr {ks= ds pkjksa vksj tSo fofo/krk laj{k.k dk;ZØeksa ds mn~ns';ks ds vuq:i Hkwfe mi;ksx i)fr;kWa@ izo`fr;ksa dks c<+kok nsukA

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ikfjLFkfrdh fodkl dk;ZØe ikfjLFkfrdh fodkl eaMyksa esa fØ;kfUor fd;k tk;sxk tks lajf{kr {ks= dh lhek ls 5 fdeh0 dh nwjh rd foLr`r gks ldrk gS rFkk ,sls {ks=} yksxks ij lajf{kr {ks= lalk/kuksa ,oa oU; tUrqvksa ds izHkko dk lko/kuh iwoZd vè;;u@fopkj djus ds mijkUr fpfUgr fd;s tk;saxsA

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5& lfefr;kWa &

5 ¼,½ lajf{kr {ks= Lrjh; ikfjLFkfrdh fodkl lfefr &

lEcfU/kr lajf{kr {ks= ds ou laj{k d fuEu izdkj lfefr cuk;saxs %&

- (1) izcU/kd lajf{kr {ks= & vè;{k
- (2) izcU/kd lajf{kr {ks= }kjk ukfer ,d izfrfuf/k & lnL; lfpo

- (3) v/~;{k ftyk iapk;r }kjk ukfer ,d izfrfuf/k & lnL; ¼;fn lajf{kr {ks= lewg ,d ls vf/kd ftyksa esa QSys gks] rks izR;sd ftys ls ,d izfrfuf/k½
- (4) lehiLFk ou izHkkxksa ds mi ou laj{kd & lnL;
- (5) fLi;j gsM Vheksa ds izHkkjh lgk;d ou laj{kd & lnL;
- (6) eq[; oU; tho laj{kd }kjk ukfer {ks= esa dk;Zjr Lo;a Isoh laLFkk dk ,d izfrfuf/k & lnL;

5 ¼ch½ xzke ikfjLFkfrdh fodkl lfefr &

izcU/kd lajf{kr {ks= bl lfefr dk xBu bl izdkj djsaxs %

- (1) izcU/kd lajf{kr {ks= ikfjLFkfrdh fodkl esa fd;s tkus okys xzke ;k xzkeksa dk p;u djsaxsA layXurk ds vuqlkj ,d xzke vFkok iqjok ds vk/kkj ij lfefr cuk;h tk;sxhA
- (2) izcU/kd lajf{kr {ks= lEcU/r jkft vf/kdkjh@ou {ks=kf/kdkjh dks mlDs {ks= esa p;fur xzkeksa ,oa iqjoksa dh lwpuk nsaxs vkSj xzke ikfjLFkfrdh fodkl lfefr ds xBu gsrq vfxze dk;Zokgh gsrq funsZf'kr djsaxsA
- (3) jkft vf/kdkjh@ou {ks=kf/kdkjh xzke ikfjLFkfrdh fodkl lfefr ds xBu gsrq xzke] iqjoksa ds lHkh ifjokjksa dks fu;r frfFk] LFkku ,oa le; ij ladfyr gksus gsrq lwpuk nsaxsA blDs fy, de ls de nl fnu iwoZ vfxze lwpuk nsuh gksxhA
- (4) ;fn fu;r frfFk] le; ,oa LFkku ij vk/ks ls de ifjokj ,df=r gksrs gSa rc lHkk fdLh vxyh frfFk gsrq LFkfxr dj nh tk;sxhA

- (5) mijksDRkkuqlkj cqyk;h xbZ cSBd esa jkft vf/kdkjh] xzke ikfjLFkfrdh fodkl lfefr esa lfEefyr gksus ds bPNqd] lfefr esa Hkkx ysus gsrq izR;sd ?kj ls ,d ls T;knk lnL; ukfer ugha gksaxsA jkft vf/kdkjh bl ckr dk fo'ks"k iz;kl djsaxs fd lHkh vuqlwfpr tkfr@ vuqlwfpr tutkfr@ fiNM+s oxZ ,oa ou ij fuHkZj xjhc ifjokj dk izfrfuf/kRo xzke ikfjLFkfrdh fodkl lfefr esa gks vkSj ojh;rk ds vuqlkj 30 izfr'kr ifjokj izfrfuf/k efgyk gksaA
- (6) bPNqd ifjokjksa ds izfrfuf/k;ksa dh lwph bl mn~ns'; ls cuk;s x;s ,d jftLVj esa la/kkfjr fd;k tk;sxx vkSj jftLVj esa u;h izfof"V;kWa Hkh dh tk;saxh] tc&tc u;s ifjokj lgHkkfxrk gsrq viuh bPNk tkfgj djsaxsA ;g lwph xzke ikfjLFkfrdh fodkl lfefr dk xBu djsaxhA
- (7) xzke ikfjLFkfrdh fodkl lfefr ,d vè;k ,oa dk;Zdkjh lfefr gsrq pkj lnL;ksa dk pquko djsaxh] ftlesa ls de ls de ,d lnL; vuqlwfpr tkfr@vuqlwfpr tutkfr] ,d lnL; vU; fiNM+k oxZ rFkk nks efgyk lnL; gksaA ;fn vè;k ;k vuqlwfpr tkfr@tutkfr] fiNM+s oxZ dh pquh gqbZ izfrfuf/k efgyk gks rks ,slh fLFkfr esa efgyk ds fy;s vkjf{kr lhV ij fdlh iq:"k lnL; ls Hkjh tk ldrh gSA

- (8) izcU/kd lajf{kr {ks= }kjk ,d ou njksxk dks xzke ikfjLFkfrdh fodkl Ifefr dk ***InL; Ifpo de dks"kkf/kdkjh*** ukfer fd;k tk;sxA
- (9) Ifefr gsrq pquko izR;sd rhu o"kZ ij fd;k tk;sxA ijUrq ;fn vè;{k ;k fdlh InL; dks gVkus gsrq nks frgkbZ InL; ladYi@ izLrko ikfjr djrs gSa rks ,slh fLFkfr esa pquko rhu o"kZ Is iwoZ Hkh gks ldrs gSaSA

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- (1) vè;{k& ikfjLFkfrdh fodkl Ifefr vè;{kA
- (2) InL;& xzke ikfjLFkfrdh fodkl Ifefr ds vuqlwfr tkfr@tutkfr ds InL;ksa esa Is pquk gqvxA
- (3) InL;& xzke ikfjLFkfrdh fodkl Ifefr ds vU; fiNM+s oxZ InL;ksa esa Is pquk gqvxA

(4) InL;& xzke ikfjLFkfrdh fodkl Ifefr ds efgyk InL;ksa esa ls pquk gqvka

(5) InL;& xzke ikfjLFkfrdh fodkl Ifefr ds efgyk InL;ksa esa ls pquk gqvka

(6) InL; Ifpo de dks"kkf/kdkjh & izcU/d lajf{kr {ks= }kjk ukfer ou njksxka

(7) InL;&izcU/kd lajf{kr {ks= }kjk Lo;a Isoh laxBu ds izfrfuf/k;ksa esa ls ukferA

;fn vuqlwfpr tkfr@tutkfr@vU; fiNM+k oxZ ds ifjokj xzke@iqjok ls u gksa] rks ,slh n'kk esa lkekU; ifjokj ds InL;ksa ls lhV Hkjh tk ldrh gSA pquko ukfer gksus dh izfØ;k iwjh gksus ds ckn izcU/kd lajf{kr {ks= dk;Zdkjh Ifefr ds xBu dh vf/klwpuk izdkf'kr djsxka

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6 & dk;Z lapkyu gsrq fu;e &

6 ¼,½ lajf{kr {ks= Lrjh; ikfjLFkfrdh fodkl Ifefr &

(1) foRrh; o"kZ ds izR;sd pkj ekg esa Ifefr dh ,d cSBd gksxha

(2) vè;{k dh lgefyr ls InL; Ifpo Ifefr dh cSBd vk;ksftr djsxka

- (3) cSBd dk dksje iwjk djus ds fy;s v/~;{k dks 'kkfey djrs gq;s ,d frgkbZ InL;ksa dh la[;k vko';drk gksxhA
- (4) InL; lfevr cSBd dk dk;Zo`Rr la/kkfjr djsxkA
- (5) v'kkldh; InL;ksa dks Js.kh ,d ds jktdh; Isodksa dh HkkWafr ;k=k HkRrk vuqeU; gksxk] bls vykok vU; dksbZ HkRrk ns; ugh gksxkA

6 ¼ch½ xzke ikfjLFkfrdh fodkl lfevr &

- (1) InL; lfpo de dks"kkf/kdkjh] vè;{k dh lgevr ls xzke ikfjLFkfrdh fodkl lfevr dh vke IHkk dh cSBd vk;ksftr djsaxkA
- (2) vke IHkk dh cSBd foRrh; o"kZ esa de ls de nks ckj gksaxhA
- (3) vè;{k] xzke ikfjLFkfrdh fodkl lfevr] cSBd dh vè;{krk djsaxkA vè;{k dh vuqifLFkfr esa fodkl lfevr ds ekStwn InL; ¼ukfer InL;ksa ds vykok½ vius esa ls fdlh ,d InL; dk pquko cSBd dh vè;{krk gsrq djsaxsA
- (4) vke IHkk dk dksje iwjk djus ds fy, ,d frgkbZ InL;ksa dh mifLFkfr vfuok;Z gksxhA
- (5) InL; lfpo de dks"kkf/kdkjh dks oksV Mkyus dk vf/kdkj ugh gksxkA bl izdkj Lo;a Isoh laLFkk dk izfrfuf/k ;fn xzke ikfjLFkfrdh fodkl lfevr dk InL; ugh gks rks oksV Mkyus dk vf/kdkjh ugh gksxkA
- (6) InL; lfpo de dks"kkf/kdkjh] cSBd dk dk;Zo`Rr la/kkfjr djsxkA

- (7) IEcfU/kr jkft vf/kdkjh] xzke ikfjLFkfrdh fodkl Ifefr dh vke IHkk dh cSBd dk i;Zos{kd gksxkA
- (8) InL; lfpo de dks"kkf/kdkjh xzke ikfjLFkfrdh fodkl Ifefr ds InL;ksa dk vko';d fooj.k ,d jftLVj esa la/kkfjr djsxkA tSlS&uke] firk@ifr dk uke] mez] ifjokj ds InL;ksa dh la[;k vkfnA
- (9) InL; lfpo de dks"kkf/kdkjh ,d dk;Zo`Rr iqfLrdd dk j[k j[kko djsaxs ftlesa okf"kZd vke IHkk dh cSBd ds dk;Zo`Rr vfHkfyf[kr fd;s tk;saxsA tks vè;{k rFkk InL; lfpo de dks"kkf/kdkjh }kjk gLrk{kfjr gksaxsA
- (10) xzke ikfjLFkfrdh fodkl Ifefr vU; IHkh vfHkys[kksa dk la/kkj.k djsxh rFkk IHkh fooj.k@ lwpuk;sa tSlk izkfo/kfur gS] izLrqr djsaxhA

6 ¼h½ xzke ikfjLFkfrdh fodkl Ifefr dh dk;Zdkjh Ifefr &

- (1) dk;Zdkjh Ifefr dk pquko] xzke ikfjLFkfrdh fodkl Ifefr dh vke IHkk dh cSBd vk;ksftr djsxkA
- (2) InL; lfpo de dks"kkf/kdkjh] vè;{k dh lgefrr ls dk;Zdkjh Ifefr dh cSBd vk;ksftr djsxkA
- (3) dk;Zdkjh Ifefr dh cSBd dk dksje iwjk djus ds fy, rhu pqus gq, dk;Zdkjh Ifefr ds InL;ksa dh la[;k vko';d gksxhA
- (4) dk;Zdkjh Ifefr dh cSBd izR;sd nks ekg esa de ls de ,d ckj

gksxhA

- (5) cjkcj gksus dh n'kk esa gh lfefr ds vè;{k oksV Mkysaxs ;|fi mudk oksV fu.kZk;d oksV gksxkA
- (6) lnL; lfpo de dks"kkf/kdkjh dks oksV Mkyus dk vf/kdkj ugh gksxk vykok ;fn og xzke ikfjfLFkfrdh fodkl lfefr dk lnL; u gksA
- (7) dk;Zdkjh lfefr esa e`R;q] R;kxi= vFkok vU; dkj.kksa ls gksus okyh vkdfLed fjdR;ksa dh HkrhZ] dk;Zdkjh lfefr ds lg;kstu ds vuqlkj dh tk ldrh gSA ,d lgk;ksftr lnL;] dh dk;Z vof/k fjdR gksus dh frfFk ds ckn vo'ks"k vof/k gsrq gksxhA R;kxi= nsus ds fy, ,d ekg dh vfxze lwpuk nsuh gksxhA
- (8) lnL; lfpo de dks"kkf/kdkjh cSBd ds dk;Zo`Rr dk la/kj.k djsxkA

7 & lfefr;ksa ds dk;Z ,oa nkf;Ro &

7 ¼,½ lajf{kr {ks= Lrjh; ikfjfLFkfrdh fodkl lfefr &

- (1) ikfjfLFkfrdh fodkl dk;ZØe ds fy;s leFkZu gsrq vk/kkj rS;kj djukA
- (2) lajf{kr {ks= Lrj ij fofHkUu foHkkxksa ds chp lkeUtl; LFkfkfir djuk ftlls fd lsokvksa ds fØ;kUo;u esa mPp xq.koRRkk lqfuf'pr gks ldsA
- (3) lajf{kr {ks= izkf/kdkfj;ksa dks lajf{kr {ks= Lrjh; ikfjfLFkfrdh fodkl ;kstuk fu:i.k esa lykg miyC/k djukA ;g fofHkUu

fo"k;ksa ij lykg nsxk tSls fd lajf{kr {ks= ds pkjksa vksj Hkwfe
mi;ksx i)fr;ksa] fodkl ,oa 'kgjhdj.k] oU; tUrqvksa ds fy;s
xfy;kjk@ekxZ] lajf{kr {ks= lalk/kuksa ij LFkkuh; ncko] i;ZVu]
iznw"k.k dk izHkko vkSj oU; tUrqvksa ls ekuo thou ,oa
IEifRr dh lqj{kk gsrq mik; vkfnA

- (4) xzke Lrjh; ikfjLFkfrdh fodkl dk vuqJo.k ,oa leh{kk djukA
- (5) ikfjLFkfrdh fodkl fØ;kdykiksa ds foLrkj gsrq vfrfjDr
lalk/kuksa dks miyC/k djkus esa lgk;rk djukA
- (6) fofHkUu LokfeRo/kkfj;ksa dh ;kstukvksa ,oa fØ;kdykiksa
esa lajf{kr {ks= ds dk;ksZ dks 'kksf/kr djukA
- (7) lajf{kr {ks= ds vkSj vf/kd laj{k.k ,oa lq/kkj gsrq mik; dk
fu/kkZkj.k djukA

7 ¼ch½ xzke ikfjLFkfrdh fodkl lfefr &

- (1) vè;{k xzke ikfjLFkfrdh fodkl lfefr ds ekè;e ls ikfjLFkfrdh
fodkl fØ;kdykiksa ds fØ;kUo;u gsrq IEcfU/r ou laj{k.d ds chp
QkeZ ,d esa fu/kZkfjr izi= esa vuqcU/k djukA
- (2) dk;Zdkjh lfefr ds InL;ksa dk pquko djukA
- (3) ekbØkslyku ds fu:i.k ,oa okf"kZd ;kstuk fØ;kUo;u esa lgk;rk
djukA
- (4) vke lHkk dh cSBd esa ikfjLFkfrdh fodkl fØ;kdykiksa ij foLr`r
fopkj&foe'kZ djuk] ykHkksa ds cWavokjs ds ckjs esa foLr`r

fopkj&foe'kZ djuk vkfn vkSj izcU/kd lajf{kr {ks= ds
vuqeksnuKfKZ izLrqr fd;s tkus okys ikfjLFkfrdh fodkl gsrq
ekbØkslyku dks vaxhd`r djukA ekbØkslyku 5 o"kZ dh vof/k
dk gksxkA

- (5) vuqeksfnr ekbØkslyku ds vk/kkj ij okf"kZd ;kstuk fØ;kUo;u
;kstuk dk fu:i.k djuk vkSj bls fØ;kUo;u esa lgk;rk iznku
djukA
- (6) InL;ksa ,oa vU; izksrksa ls izklr tek /kujkf'k ls cuh lkekU;
fuf/k gsrq cSad@ iksLV vkfQl esa ,d [kkrk [kksyk tk;sxkA
dk;Zdkjh lfefr ds fyf[kr ladYi ds vuqlkj lkekU; fuf/k [kkrk
vè;k ,oa InL; lfpo de dks"kkf/kdkjh }kjk la;qDr :i ls lapkfy
gksxkA bu ys[kksa ls fudkyh ,oa tek dh xbZ /kujkf'k dk
ys[kk&tkk[kk xzke ikfjLFkfrdh fodkl lfefr dh izR;sd okf"kZd
vke lHkk dh cSBd esa vuqeksnuKfKZ izLrqr fd;k tk;sxkA
- (7) xzke ikfjLFkfrdh fodkl lfefr ds InL;ksa dk xBu la;qDr :i ls ou
foHkkx ds deZpkfj;ksa ds ekè;e ls ou ds vUnj rFkk ckgj jg
jgs ou ,oa oU; tUrqvksa dh lqj{kk esa lgk;rk iznku djukA
- (8) ou deZpkfj;ksa dks ,sls O;fDr;ksa dh lwpuk nsuk tks
tkucw> dj vFkok fo}s"kiw.kZ Hkkouk ls ou ,oa oU;
tUrqvksa dks {kfr igWaqpk jgs gksaA
- (9) ou foHkkx deZpkfj;ksa ds lFk la;qDr :i ls vfrØe.k]
vukf/kdkj pjkbZ] vkx] pksjh] voS/k f'kdkj] {kfr ;k oU; tho

vf/kfu;e ds izkfo/kuksa ds mYya?ku dks jksdus esa lgk;rk
iznku djukA

7 ¼h½ xzke ikfjLFkfrdh fodkl Ifefr dh &

- (1) izd`fr laj{k.k] lrr~ fodkl] izkd`frd lalk/kuksa ds mi;ksx] vkSj
tSo fofu/krk laj{k.k vkfn ds egRo ij xzkeh.kksa esa
tkx:drk@psruk iSnk djukA
- (2) xzke ikfjLFkfrdh fodkl Ifefr ds izR;sd lnL; dks lajf{kr {ks=
lalk/kuksa dh lqj{kk ds lkFk&lkFk xzke ikfjLFkfrdh fodkl
Ifefr ds vU; nkf;Roksa dks iwjk djus esa lfEefyr djukA
- (3) xzke ikfjLFkfrdh fodkl Ifefr ds dk;Z{ks= esa okfudh lEcU/kh
lHkh dk;ksZ dks lqpk: :i ls ,d le; ls fØ;kUo;u esa ou&foHkkx
dfeZ;ksa dks lgk;rk iznku djukA
- (4) ou dfeZ;ksa ,oa xzke ikfjLFkfrdh fodkl Ifefr dks okfudh
dk;ksZ gsrq Jfedksa dks yxkus ,oa pquko esa lgk;rk iznku
djukA
- (5) xzke dk ikfjLFkfrdh fodkl ekbØkslyku ,oa okf"kd
fØ;kUo;u ;kstuk cukus esa lgk;rk iznku djuk vkSj fu/kkZfjr
le; vof/k ds vUnj xzke ikfjLFkfrdh fodkl Ifefr dh vke cSBd
esa vaxhd`r ;kstuk dks izcU/kd lajf{kr {ks= ds
vuqeksnuKkZ izLrqr djukA

- (6) izfr o"kZ fu/kkZfjr le; lhek esa lfefr;kWa iathdj.k vf/kfu;e
1860 ds izkfo/kuksa ds vUrxZr fuca/kd lfefr dks InL;ksa ds
uke] irk] O;olk; dh lwph izLrqr djukA
- (7) ikfjfLFkfrdh fodkl dk;ZØe dk lqpk: :i ls fØ;kUo;u lqfuf'pr
djuk] ftlls fd xzke ikfjfLFkfrdh fodkl lfefr ds InL;ksa dks
vf/kdkf/kd ykHk fey ldsaA
- (8) ;g lqfuf'pr djuk fd 'kklu }kjk vuqeU; ikfjfLFkfrdh fodkl fuf/k
,oa mRikn ykHk] ykHkkfFkZ;ksa dks fcuk fdlh xfrjks/k ds
izklr gksrk jgsA
- (9) fu/kkZfjr rjhds ls fØ;kdykiksa ,oa ys[kk vfHkys[kksa dk
la/kkj.k djuk ,oa izkf/kd`r O;fDr dks mls miyC/k djukA
- (10) ,sls InL; ds ckjs esa lEcU/kr jkft vf/kdkjh@ou njksxk@ou
j{k dks lwfpr djuk ftldh xfrfof/k;kWa voS/kkfud ,oa @;k
ou@oU; tUrqvksa ds fy, gkfudkj d gks] ,sls InL;ksa dh InL;rk
Hkh lekIr gks ldrh gSA
- (11) ,slh xfrfof/k;ksa dks fu;fU=r djuk tks vf/kfu;e] le;≤ ij
la'kksf/kr oU; tUrq vf/kfu;e ds izkfo/kuksa ds izfrdwy gksA
- (12) lajf{kr {ks= vf/kdkfj;ksa dks vf/kfu;e@fu;eksa ds vUrxZr
vijkf/k;ksa] xzke ikfjfLFkfrdh fodkl lfefr ds iFkHkz"V InL;ksa
ds f[kykQ dk;Zokgh esa enn djukA

8 & izsjd ny &

eq]; ou tho laj{k d }kjk izR;sd laj{k r {ks= gsrq ikfjLFkfrdh fodkl
iszd ny dk xBu fd;k tk;sxA ;g iszd ny xzkeh.kksa dks xzke ikfjLFkfrdh
fodkl lfefr ds xBu rFkk ikfjLFkfrdh fodkl ds dk;ZØe ds fØ;kUo;u gsrq
iszfjr djsxA

iszd ny ds usrk lgk;d ou laj{k d gksxs rFkk iszd ny esa jkft
vf/kdkjh@ miou jsatj] nks LFkkuh; Lo;a lsoh laLFkk ds izfrfuf/k ¼,d
efgyk ,oa ,d iq:"k½ ,oa LFkkuh; ou j{k d gksaxsA

9 & ikfjLFkfrdh fodkl fØ;kdyki &

(1) dk;Zdkjh lfefr iszd ny dh lgk;rk ls xzke ikfjLFkfrdh fodkl
lfefr ds lnL;ksa dks 'kkfey djrs gq, lgHkkfxrk ds vuqlkj ,d ekbØkslyku
cuk;sxA

(2) lkeqnf;d ,oa O;fDrxr ykHk gsrq fu/kkZfjr foRrh; lhek ds
vUrZxr LFkku fo'ks"k ,oa vko';drk ds vuq:i dk;ZØe fu/kkZfjr fd;s
tk;saxsA

(3) izR;sd p;fur ikfjLFkfrdh fodkl dk;ZØe] tSo&fofo/krk laj{k.k
ls izR;{k vFkok ijks{k :i ls tqM+k gksxk] ftldk mYys[k rnuqlkj
ekbØkslyku esa gksxA

(4) xzke ikfjLFkfrdh fodkl lfefr dh vke cSBd esa ekbØkslyku
vaxhd`r fd;k tk;sxk rRi'pkr~ vuqeksnuKfZ izcU/kd laj{k r {ks= dks
izLrqr fd;k tk;sxA

(5) ekbØkslyku dk ijh{k.k ikfjfLFkfrdh fodkl IEcU/kh fu/kkZfjr uhfr funsZ'kksa ,oa fuos'k ekudksa ds vuqlkj fd;k tk;sxk o izcU/kd lajf{kr {ks= }kjk vuqeksfnr fd;k tk;sxkA

(6) dk;Zdkjh Ifefr vuqeksfnr ekbØkslyku ds vuqlkj izfro"kZ okf"kZd fØ;kUo;u ;kstuk cuk;sxh vkSj flrEcj ds izFke fnol ls iwoZ izcU/kd lajf{kr {ks= dks izLrqr djsaxhA

10 & /kujkf'k &

bl ladYi ds v/khu ikfjfLFkfrdh fodkl fØ;kdykiksa gsrq xzke ikfjfLFkfrdh fodkl Ifefr /kujkf'k dh O;oLFkk djsxhA tggWa rd IEHko gks lds /kujkf'k dh O;oLFkk 'kkldh; ,oa v'kkldh; lzksrks ls dh tk;sxh ftlesa xzke leqnk; rFkk O;fDrxr ;ksxnku Hkh 'kkfey gksaxsA

'kklu }kjk ikfjfLFkfrdh fodkl gsrq /kujkf'k miyC/k gksus dh fLFkfr esa ;g izcU/kd lajf{kr {ks= }kjk fdLrksa esa le;≤ ij ykxw lqlaxr 'kkldh; vkns'kksa ds vuqlkj tkjh dh tk;sxhA

11 &ys[kk dk la/kkj.k &

(1) en la0 10 esa of.kZr /kujkf'k rFkk vU; IHkh lzksrksa ls izklr /kujkf'k IEcU/r xzke ikfjfLFkfrdh fodkl Ifefr ds uke jk"Vªh;d`r cSad@iksLV vkfQl esa tek dh tk;sxhA mDr [kkrk vè;{k ,oa lnL; lfpo de dks"kkf/kdkjh }kjk la;qDr :i ls lapkfyr gksxkA

(2) xzke ikfjLFkfrdh fodkl Ifefr ds iwoZ vuqeksnu ds ckn gh [kkrs ls /kujkf'k vkgfjr dh tk;sxh vkSj O;; fooj.k xzke ikfjLFkfrdh fodkl Ifefr dks vxyh cSBd esa izLrqr fd;k tk;sxkA

(3) /kujkf'k dks ys[kk&tkS[kk ,oa O;; izfØ;k le;≤ ij tkjh 'kkldh; vkns'kksa ds vuqlkj gksxkA

12 & ys[kk ,oa ys[kk ijh{kk &

xzke ikfjLFkfrdh fodkl Ifefr mfpr ys[kk ,oa vU; lqlaxr vfHkys[k j[ksxh vkSj ljdkj ds funsZ'kksa ds vuqlkj ys[kk dk ,d okf"kZd fooj.k rS;kj djsxhA

13 & ykHk dh fgLlsnkjh &

(1) ekbØkslyku ds vUrxZZr lapkfyr IHkh fØ;kdykiksa dh ykxr dk ,d pkSFkkbZ fgLlk xzke leqnk; }kjk ogu fd;k tk;sxkA leqnk; }kjk lg;ksx&lkekxzh ¼Hkwfe vkfn½] Je ;k dqN vof/k fo'ks"k ds fy;s vius vf/kdkjksa dk LFkxu vkfn :i esa gks ldrk gSA

(2) O;fDrxr ykHkkfFkZ;ksa dks xzke ikfjLFkfrdh fodkl Ifefr }kjk vfxze ;k _.k fn;k tk ldrk gSA Hkqxrku dh 'krsZ izR;sd xzke ikfjLFkfrdh fodkl Ifefr }kjk fu/kkZfjr dh tk;sxhA

(3) O;fDrxr ykHkkFkhZ }kjk ykxr dk de ls de 25 izfr'kr O;; Lo;a ogu fd;k tk;sxkA O;fDrxr ykHkkFkhZ dks fdlh Hkh n'kk esa xzke ikfjLFkfrdh fodkl Ifefr dsk dqy iWwathfuos'k dk 5 izfr'kr ls vf/kd dh /kujkf'k ugh nh tk;sxhA

(4) fdlh Hkh O;fDr dks nwljk vfxze@_.k rc rd ugh fn;k tk;sxk tc rd fd mlds }kjk iwoZ vfxze@_.k dks iwjk tek u dj fn;k x;k gks rFkk IHkh 'krksZ dk iw.kZ ikyu fd;k x;k gksA

(5) xzke ikfjLFkfrdh fodkl lfefr ys[kksa esa iquZtek dh xbZ /kujkf'k ds vkoZrh /ku O;oLFkk LFkkfir gksxh ftlls fd leqnk; ds yksxks dks iqu% foRrh; lgk;rk nh tk lds vkSj nh?kZdkyhu foRrh; fujUrjrk ds dk;ZØe lqfu'fpr fd;s tk ldsaA

(6) lajf{kr {ks= ls izklr dsoy mUgh mRiknksa dk forj.k fd;k tk;sxk ftudks le;≤ ij vuqeU; fd;k x;k gks rFkk forj.k xzke ikfjLFkfrdh fodkl lfefr dh vke lgefrr ds vk/kkj ij fd;k tk;sxk vkSj bldk lekos'k vuqeksfnr ekbØkslyku esas fd;k tk;sxkA

14 & InL;rk dh lekfir ,oa@;k xzke ikfjLFkfrdh fodkl lfefr dks Hkax djuk &

(1) xzke ikfjLFkfrdh fodkl lfefr esa Vdjko dh fLFkfr esa ikfjLFkfrdh fodkl vf/kdkjh] izcU/kd lajf{kr {ks= Vdjko dks lekfir djus gsrq vko';d dne mBk;saxsA

(2) vf/kfu;e] oU; tho vf/kfu;e ;k mlds vUrxZRk cus fdlh Hkh fu;e] 'krksaZ ,oa izkfo/kuksa ds mYya?ku dh fLFkfr esa izcU/kd lajf{kr {ks= dh laLrqfr ij lfefr;kWa iathdj.k vf/kfu;e 1860 dh /kkjk 15 ds v/hu InL;rk lekfir dh tk ldrh gS vkSj @;k /kkjk 13] 13v] 13c ds v/khu Øe'k% dk;Zdkjh lfefr xzke ikfjLFkfrdh fodkl lfefr Hkax dh tk ldrh gSA

15 & fofo/k fo" k; &

(1) IEcfU/r xzke iapk;r xzke ikfjLFkfrdh fodkl Ifefr dks lqpk:
dk;Z lapkyu gsrq vko';dr lg;ksx ,oa lgk;rk iznku djsxhA

(2) QkeZ&2 ,oa QkeZ&3 esa Øe'k% eseksjsUMe vkWaQ
, 'kksfl;s'ku ,oa xzke ikfjLFkfrdh fodkl Ifefr ds fu;e layXu gSA

**vkKk Is
izeq[k Ifpo ¼ou½
m0 iz0 'kklu**

lkzi=&1

djsaxs tks mRrj izns'k dh ifjfLFkfrdh fodkl izLrko 1997 vkSj dksbZ vU;
IEcf/kar vkns'kksa@fu;eks@'kklu@ds funsZ'kksa ds fo;} gksA

4& ;g fd ;fn ykHkkFkhZ ikjLifjd lgefr fdlh dk;ZØe ds lapkyu@nkf;Ro
iw.kZ djus esa vlQy gks tkrk gS ;k dksbZ vU; dk;Z ftldks djus ds fy,
ykHkkFkhZ ckè; gks] dks djus esa vlQy gks tkrk gS rks ou laj{kd vius
foosdkuqlkj ikjfLFkfrdh dk;ZØe ds fdlh ,d ;k leLr dk;ksZ dks foHkkxh;
:i ls IEiUu dj;sxk vkSj ykHkkFkhZ dks ,sls fdlh dk;Z dk Hkqxrku ugh
fd;k tk;sxk] c'krsZ blds fy, i;kZlr dkj.k gkssa vkSj os lajf{kr {ks= ds
ikjfLFkfrdh fodkl lfefr] tks mRrj izns'k 'kkldh; ikjfLFkfrdh fodkl ladYi ds
vUrxZr xBr gks] ds }kjk iw.kZr;k fyf{kr ,oa vuqeksfnr gks A

5& mRrj izns'k 'kkldh; ikjfLFkfrdh fodkl ladYi lgefr i= dk ,d Hkkx
cusxA bldh izfr;ksa dks ge yksxksa }kjk izR;sd i" B ij lk{; ds fy, fd gekjs
}kjk 'kCnksa dks i<+ dj iw.kZr;k le> fy;k x;k gS vkSj ge bl ij fyf{kr leLr
'krksZ ,oa miyC/kksa dks Lohdkj djrs gS] layXu dh tkrh gS A

6& ;g fd lHkh izdkj ds mRiUu fooknksa ,oa erHksnksa tks fdlh izdkj
bl le>kSrs dks lfEefyr djsaxs ;k bls lEc) gksaxs] dks IEcf/kr eq[; ou
laj{kd ds fu.kZ; ds fy, Hkstk tk;sxk A fu.kkZ;d dh vuq'kalk vfUre gksxh
vkSj nksuksa i{k ekuus ds fy, ckè; gksaxs A

7& bl le>kSrs ls IEcaf/kr i{kksa dks fn;s x;s fu/kZfjr izi=ksa esa lk{; ds
:i esa fnukafdr] eqgj lfgr gLrk{kj vafdr gksxk A

vuqIwph &1

1- xzke ikjfLFkfrdh fodkl lfefr dk uke %

- 2- lajf{kr {ks= dk uke %
- 3- ftyk %
- 4- rglhy %
- 5- Mkd?kj@iqfyl Fkkuk %
- 6- ou {ks= %
- 7- xzke dh oS/kkfud fLFkfr %
- 8- {ks=Qy %

**xzke ikfjLFkfrdh fodkl lfefr ds vè;{k
dk gLrk{kj
Øa0 la0 uke vkSj irk gLrk{kj**

**xokgksa ds gLrk{kj
Ø0 la0 uke vkSj irk
gLrk{kj**

**ou laj{kj ds gLrk{kj
uke %**

gLrk{kj

izi=&2

xzke ikfjLFkfrdh fodkl lfefr

la?k dk Kkiu

**1- uke % lfefr dk uke &^xzke ikfjLFkfrdh fodkl
lfefr^**

2- dk;kZy; % lfeFr dk iathd`r dk;kZy; xzke &&&&&&&
Fkkuk &&&&&&& iksLV &&&&&&&
rglhY &&&&&&&ftYk &&&&&&&&m0 iz0 esa
fLFkr gksxkA

3- dk;Z {ks= % xzke &&&&&&& ¼tgkW lfeFr LFkkfir gS½

4- izd`fr % lfeFr xzke ds ikfjLFkfrdh fodkl dk;ksZ dks lEiUu
djus ds fy, ,d Lok;r'kklh laLFkk gS A

5- y{; ,oa mn~ns'; % lfeFr ftu y{;ksa dks izklr djsu ds fy;s LFkkfir
dh xbZ gS ;g fuEu izdkj gS %&

1& tSo fofo/krk laj{k.k esa tu lg;ksx lqfuf'pr djuk A

2& lajf{kr {ks= ij LFkkuh; tu ds izfrdwy izHkko dks de
djuk A

3& lajf{kr {ks= ds vUrxZr rFkk lehiorhZ {ks=ksa ds
LFkkuh; tu ds thodksiktZu ds lk/kuksa esa vko';d
gLR{ksi djuk rFkk oSdfYid lalk/ku miyC/k djkdj lajf{kr
{ks=ksa ds lalk/ku lqjf{kr djuk A

4& lajf{kr {ks= ds tSo fofo/krk ds laj{k.k ds mn~ns';ksa ds
vuqdwY Hkwfe mi;ksx dks izksRlkgu nsuk

5& lajf{kr {ks= rFkk mlDs vUrxZr LFkkuh; tu ds eè; ikjLifjd
la?k"KZ dks de djukA

6& ikfjLFkfrdh fodkl dk;ZØeksa ekè;e ls nh?kZdkY rd
tkjh j[kus ;ksX; fodkl izfØ;k dh ;kstuk cukus rFkk

mUgsa fØ;kfUor djus dh {kerk LFkkuh; tuksa esa fodflr djuk A

7& ,slk dksbZ vU; dk;ZØe tks mijksDr dk;ZØeksa dk lgk;d gks] dks lapkfyr djukA

6- dk;Zdkjh lfevr %

fuEu lnL;ksa ls ;qDr dk;Zdkjh lfevr dk iathdj.k] lfevr iathdj.k vf/kfu;e 1860 ds vUrZxr bl lfevr ds izcU/ku ds fy, gksxk A

Øa0 la0	in uke vkSj irk	Lrj	is'kk
1		vè;{k	
2		lnL;	
3		lnL;	
4		lnL;	
5		lnL;	
6		lnL;&lfpo jktdh; de&dks"kkè;{k	
7		izfrfuf/k	

7- lfevr dh LFkkiuk %

ge v/kksgLrk{kjh] ftudk is'kk vkSj irk fuEufyf[kr gS] ,d lfevr dk lfevr iathdj.k] vf/kfu;e 1860 ds vUrZxr ,d lfevr ds :i esa iath;u dj fuekZ.k djuk pkgrs gS] ftlls la?k ds Kkiu ds mn~ns';ksa dh iwfrZ gks lds A

Ø0 la0	uke	in uke vkSj irk	gLrk{kj
1			
2			

izi= & 3

xzke ifjfLFkfrdh fodkl Ifefr

fu;e %&

1- uke % Ifefr dk uke xzke ikfjfLFkfrdh fodkl Ifefr
gksxkA

2- dk;kZy; % Ifefr dk iathd`r dk;kZy; xzke &&&&&&
Fkkuk &&&&&&& ftyk &&&&&&& m0 iz0 esa
fLFkr gksxkA

3- dk;Z {ks= % xzzke &&&&&&&&&&&&& ¼ tgkW Ifefr
LFkkfir gS ½

4- izd`fr % Ifefr xzke ds ikfjfLFkfrdh fodkl dk;ksZ dks IEiUu
djus ds fy, ,d Lok;r'kkIh laLFkk gS A

5- y{; ,oa mn~ns'; % lfefr ftu y{;ksa dks izklr djus ds fy;s LFkfkfir
dh xbZ gS ;g fuEu izdkj gS %&

1& tSo fofo/krk laj{k.k esa tu lg;ksx lqfuf'pr djukA

2& lajf{kr {ks= ij LFkkuh; tu ds izfrdwy izHkko dks de
djuk A

3& lajf{kr {ks= ds vUrZxr rFkk lehiorhZ {ks=ksa ds
LFkkuh; tu ds thodksiktZu ds lk/kuksa esa vko';d
gLR{ksi djuk rFkk oSdfYid lalk/ku miyC/k djkdj lajf{kr
{ks=ksa ds lalk/ku lajf{kr djuk A

4& lajf{kr {ks= ds tSo fofo/krk ds laj{k.k ds mn~ns';ksa ds
vuqdwy Hkwfe mi;ksx dks izksRlkgu nsuk A

5& lajf{kr {ks= rFkk mlDs vUrxZr LFkkuh; tu ds eè; ikjLifjd
la?k"KZ dks de djuk A

6& ikfjLFkfrdh fodkl dk;ZØeksa ds ekè;e ls nh?kZdky rd
tkjh j[kus ;ksX; fodkl izfØ;k dh ;kstuk cukus rFkk
mUgsa fØ;kfUor djus dh {kerk LFkkuh; tuksa esa
fodflr djukA

7& ,slk dksbZ vU; dk;ZØe tks mijksDr dk;ZØeksa dk lgk;d
gks] dks lapkfyR djuk A

6- ifjHkk"kk,W %

- 1& vf/kfu;e dk rkRi;Z mRrj izns'k esa viuh izd`fr ds
IEcU/k esa ;Fkk la'kksf/kr Hkkjrh; ou vf/fu;e 1927 ls
gSSA
- 2& vè;{k dk rkRi;Z xzke ikfjLFkfrdh fodkl lfefr vkSj xzke
ikfjLFkfrdh fodkl lfefr dh dk;Zdkjh lfefr ls gSA
- 3& dk;Zdkjh lfefr ls rkRi;Z lkr lnL;h; lfefr vkSj ftlesa vè;{k
'kkfey gS] ls gSA tks bl ladYi ds v/khu xfBr xzke
ikfjLFkfrdh fodkl lfefr ds iz'kklfud vkSj izcU/k
IEcU/kh nkf;Roksa dk fuoZgu djsxhA
- 4& ou vf/kdkjh dk rkRi;Z ml O;fDr ls gS ftls jkT; ljdkj ds
Hkkjrh; ou vf/kfu;e 1927 ds IHkh vFkok fdLh Hkh
mn~ns';kssa ds fØ;kUo;u gsrq fu;qDr fd;k gks A
- 5& ou njksxk ls rkRi;Z ,slh Js.kh ds O;fDr ls gS tks IEc
vf/kdkjh ds :i esa ;k tks ou jsat ds vUrZxr lsD'ku ds
i;Zos{k.k dk;ksZ dks djrk gSA
- 6& 'kklu dk rkRi;Z mRrj izns'k 'kklu ls gSA
- 7& xzke IHkk] xzke iapk;r] iz/kku] mi iz/kku vkSj xzke ds
vFkZ ogh gksxsa tks muds fy, la;qDr izkUr iapk;r jkT;
vf/kfu;e 1947 eas Øe'k% fn, x, gSA
- 8& fn'kk&funsZ'k ls rkRi;Z ikfjLFkfrdh fodkl gsrq 'kklu ds
fn'kk&funsZ'k ls gSA

9& ifjokj dk vFkZ ,d bdkbZ ds :i esa ?kj esa jg jgs
vf/kokfl;ksa ls gSA

10& lnL; dk rkRi;Z xzke ikfjfLFkfrdh fodkl lfefr ds lnL; ls
gSA

11& ekbØkslyku ls rkRi;Z xzke Lrj izca/ku gsrq ikfjfLFkfrdh
fodkl fØ;k dykiksa dh ;kstuk ls gSA

12& lajf{kr {ks= ls rkRi;Z jk"Vªh; miou] oU; tho fogkj ,oa
ck;ksLQs;j fjtoZ ls gSA

13& ljaf{kr {ks= izcU/kd dk vFkZ eq[; oU; tho laj{kD }kjk
ukfer lajf{kr {ks= ds izHkkjh ou vf/kdkjh ls gSA

14& ifj;kstuk ls rkRi;Z mRrj izns'k okfudh ifj;kstuk ls gSA

15& ifj;kstuk bdkbZ dk rkRi;Z mRrj izns'k okfudh ifj;kstuk
dh ifj;kstuk bdkbZ ls gSA

16& jsat vf/kdkjh dk rkRi;Z dk;Zdkjh bdkbZ ds izHkkjh
vf/kdkjh ls gSaA

17& ladYi ls rkRi;Z ikfjfLFkfrd fodkl ds jktdh; ladYi ls gSA

18& lfefr dk rkRi;Z ikfjfLFkfrdh fodkl lfefr ls gS A

19& xzke ikfjfLFkfrdh fodkl lfefr dk rkRi;Z ikfjfLFkfrdh
fodkl ds 'kkldh; ladYi esa mfYyf[kr xzke Lrj ij xfBr lfefr
ls gSA

20& oU; tho vf/kfu;e dk rkRi;Z oU; tho laj{k.k vf/kfu;e
1972 vkSj blds la'kks/kuksa ,oa fu;eksa ls gS tks mRrj
izns'k esa blds iz;ksx ds fy, cus gSA

21& o"kZ dk vFkZ 1 vizSy ls 31 ekpZ dh vof/k ls gS] tks
dk;Zdkjh lfefr }kjk fucU/kd dh igys dh Lohd`fr ls
izLrkfor gSA

7- lajpUkk %

xzkeh.k ikfjfLFkfrdh fodkl lfefr dk fuekZ.k xzke ds ifjokj
ftudh :fp lajf{kr {ks= dh lqj{kk ,oa fodkl esa gS] }kjk ukfer InL;ksa
vkSj lfefr ds insu InL;ksa ls feydj gksrk gSA lajf{kr {ks= izcU/kd
}kjk ukfer InL; ;Fkk&InL;] lfpo] dks"kkè;{k vkSj LoSfPNd laxBu
InL; insu InL; gksxsa A

8- dk;Zdkjh lfefr %

1& xzke ikfjfLFkfrdh fodkl lfefr ds vUrZxr lkr InL;ksa dh ,d
dk;Zdkjh lfefr gksxh] ftlds vè;{k lesr ikWp InL;ksa dk
pquko izR;sd rhu o"kZ ij xzke ikfjfLFkfrdh fodkl lfefr
ds InL;ksa }kjk fd;k tk;sxk A

2& buesa ls de ls de ,d InL; vuqlwfp^rtkfr@tutkfr dk
gksxkA

3& buesa ls de ls de ,d InL; vU; fiNM+h tkfr dk gksxkA

- 4& pqus x;s ikWp lnL;ks es ls ,d dk pquko vè;{k ds :i esa fd;k tk;sxkA
- 5& lajf{kr {ks= izcU/kd ,d ou njksxk dks dk;Zdkjh lfefr dk insu lnL;&lfpo ,oa dks"kkè;{k ukfer djsxkA
- 6& lajf{kr {ks= izcU/kd ,d LoSfPNd laLFkk ds izfrfuf/k dks lfefr ds lnL; ds :i esa ukfer djsxk A
- 7& bl izdkj dk;Zdkjh lfefr dh lajpuk fuEu izdkj gksxh %&
¼v½ vè;{k& xzke ikfjLFkfrdh fodkl lfefr dk vè;{k A
¼c½ lnL;& vuq0 tkfr@vuq0 tutkfr ds ¼xzke ikfjLFkfrdh fodkl lfefr½ lnL;ks esa ls pquk gqvka
¼l½ lnL;& xzke ikfjLFkfrdh fodkl lfefr vU; finM+h tkfr ds lnL;ksa esa ls fuokZfprA
¼n½ lnL;& xzke ikfjLFkfrdh fodkl lfefr ds efgyk lnL;ksa esa ls fuokZfpr
¼;½ lnL;& xzke ikfjLFkfrdh fodkl lfefr ds efgyk lnL;ksa esa ls fuokZfpr
¼j½ lnL; lfpo de dks"kkè;{k& ou njksxk tks lajf{kr {ks= izca/kd }kjk ukfer gksxkA
¼y½ ,d LoSfPNd laLFkk ds izfrfuf/k ftldks lajf{kr {ks= izca/kd }kjk ukfer fd;k tk;sxk A

¼o½ t_gk_W v_uq_lw_fp_r t_kf_r@v_uq_lw_fp_r t_ut_kf_r@v_U; f_iN_M+s
o_xZ d_k d_ks_bZ i_fj_ok_j u_gh g_ks_xk o_gk_W i_j i_nk_sa d_ks l_ke_kU;
J_s.k_h d_s i_fj_ok_jk_sa e_sa l_s H_kj_k t_k;s_xk_A

9- O;olk; dh dk;Zfof/k%

¼v½ xzke ikfjLFkfrdh fodkl lfefr %&

- 1& vè;{k dh lgef_r l_s l_nL;&l_fp_r d_e d_ks"kkè;{k v_ke l_Hk_k d_h
c_SB_d v_kg_wr d_js_xk_A
- 2& v_ke l_Hk_k d_h c_SB_d o"K_Z e_sa d_e l_s d_e n_ks c_kj v_kg_wr d_h
t_k;s_xh A
- 3& xzke ikfjLFkfrdh fodkl lfefr d_k vè;{k c_SB_d d_h vè;{k_rk
d_js_xk_A vè;{k d_h v_uq_ifLFk_fr e_sa d_k;Z_dk_jh l_fe_fr d_s
m_ifLFk_r l_nL;x.k ¼uk_fe_r l_nL;k_sa d_ks N_ks_M+d_j½ c_SB_d d_h
vè;{k_rk g_sr_q m_u l_nL;k_sa e_sa l_s ,d O;f_Dr d_k p_qu_ko
d_js_ax_sA
- 4& v_ke l_Hk_k d_h i_zR;sd c_SB_d d_s f_y, U;w_ur_e v_ko';d l_nL;k_sa
d_h l_a[:k d_qy l_nL;k_sa d_h l_a[:k ¼ins_u l_nL;k_sa d_ks
N_ks_M+d_j½ d_s ,d f_rg_kb_Z g_ks_xh_A
- 5& l_nL;&l_fp_o d_e d_ks"kkè;{k d_ks e_r n_su_s d_k v_f/k_dk_j u_gh
g_ks_xk_A b_l i_zd_kj L_oS_fP_Nd l_aLFk_k d_s i_zf_rf_uf/k ¼l_nL;½
d_ks H_kh e_r n_su_s d_k v_f/k_dk_j u_gh g_ks_xk_A b_l fLFk_r d_ks

NksM+dj fd og xzke ikfjLFkfrdh fodkl Ifefr dk InL;
gSA

6& InL; lfpo de dks"kkè;{k cSBd dh dk;Zokgh dk
j[k&j[kko djsxkA

7& IEcaf/kr jsat vf/kdkjh xzke ikfjLFkfrdh fodkl Ifefr dh
vkelHkk dh cSBd dk i;Zos{k d gksxkA

¼½ xzke ikfjLFkfrdh fodkl Ifefr dh dk;Zdkjh Ifefr %&

1& vke IHkk dh cSBd esa izfr rhu o"kZ ij xzke ikfjLFkfrdh
fodkl Ifefr dh dk;Zdkfj.kh dk pquko fd;k tk;sxkA

2& vè;{k dh lgefrr Is InL;&lfpo de dks"kkè;{k xzke
ikfjLFkfrdh fodkl Ifefr dh dk;Zdkfj.kh dh cSBd vkgwr
djsxk A

3& dk;Zdkfj.kh dh izR;sd cSBd gsrq U;wure vko';d InL;ksa
dh la[;k dk;Zdkfj.kh dh nks pqus InL;ks Is iw.kZ dh
tk;sxh A

4& InL;&lfpo de dks"kkè;{k ds ekè;e Is ,d dk;Zokgh
iqfLrdk tgkW xzke ikfjLFkfrdh fodkl Ifefr dh okf"kZd
vke IHkk dh cSBdksa dh dk;Zokgh vè;{k vkSj InL; lfpo
de dks"kkè;{k ds gLRkk{kj ;qDr ladfyr dh tk;sxh] dk
j[k&j[kko djukA

5& dk;Zdkfj.kkh ds InL;ksa dk fuokZpu djukA

- 6& ekbØkslyku ,oa okf"KZd fØ;kuo;u ;kstuk ds fuekZ.k
esa vko';d lg;ksx djuk A
- 7& vke IHkk dh cSBd es ikfjLFkfrdh fodkl esa fd;s tkus
okys ¼Hkkoh½ fØ;kdykiksa ,oa ykHkks ds fooj.k vkfn
ij fopkj foe'kZ djuk ,oa ljaf{kr {ks= izcU/kd dh vuqefr
ds fy, ikfjLFkfrdh fodkl gsrq ekbØkslyku vuqeksnu
gsrq fopkj foe'kZ djukA ekbØkslyku ikWp o"KZ dh
vof/k ds fy, gksxkA
- 8& vuqeksfnr ekbØkslyku ij vk/kkfjr okf"KZd fØ;kUo;u
lyku dks xzg.k dks xzg.k djuk vkSj blds fØ;kUo;u esa
lg;ksx djukA
- 9& InL;ksa ,oa vU; {ks=ksa ls izklr tek /kujkf'k dks
jk"Vªh;d`r cSad@Mkd?kj ds ,d lkekU; dks"k esa
j[k&j[kko ds fy;s tek djukA bl dks"k dk lapkyu
dk;Zdkfj.kh }kjk fyf[kr izLrko ij vè;k ,oa InL; lfpo de
dks"kkè;k }kjk la;qDr :i ls fd;k tk;sxkA bl dks"k esa
/kujkf'k tek djuk ,oa /kujkf'k fudkyus ds fooj.k dks
okf"KZd vke IHkk dh cSBd esa vuqeksnu gsrq izLrko
fd;k tk;sxk A
- 10& ouksa ,oa blesa fLFkr ,oa blds ckgj fLFkr oU;thoksa
dh blds ;k la;qDr :i ls ou foHkkx ds deZpkfj;ksa dh
enn ls lqj{kk esas lg;ksx djuk A

11& fdlh O;fDr@O;fDr;ksa }kjk ou {ks= es voS/k izos'k ,oa tkucw> dj ;k nq'euH o'k mijksDr ou@ouksa rFkk@;k oU; thoksa dks gkfu igqWpkus ds iz;klksa ds ckjs esa ou dehZ dks lwfpr djukA

12& ou foHkkx ds deZpkfj;kssa ds la;qDr iz;kl ls ouksa esa voS/k izos'k] vfrØe.k] pjkbZ vkx] voS/k f'kdkj] pksjh ;k oU; tho laj{k.k vf/kfu;e ds izkfo/kuksa dk mYya?ku ;k uqdlku igqWpkus dks jksduk vkSj mls jksdus esa vko';d lg;ksx djuk A

¼½ xzke ikfjLFkfrdh fodkl lfefr dh dk;Zdkj.kh %&

1& vU; xzkeh.kksa dks izkd`frd laj{k.k ds egRo] dkfeZd fodkl vkSj izkd`frd lalk/kuksa dk mi;ksx rFkk tSo fofo/krk laj{k.k dh vko';drk ds izfr tkx:d djukA

2& xzke ikfjLFkfrdh fodkl lfefr ds izR;sd lnL; dks lajf{kr {ks= lalk/kuksa dh lqj{kk ds lkFk gh lkFk xzke ikfjLFkfrdh fodkl lfefr }kjk fu/kZfjr vU; nkf;Roksa ds fuoZgu esa lyaXu djukA

3& xzke ikfjLFkfrdh fodkl lfefr ds izR;sd fØ;kdyki {ks= esa fd;s tk jgs leLr okfudh dk;ksZ ds le;c) lqpk: :i ls fØ;kUo;u esa ou foHkkx ds deZpkfj;ksa dks lg;ksx iznku djuk A

- 4& okfudh dk;Z ds fy;s vko';d Je fu;kstu ds ckjs esa IEcfU/kr oukf/kdkfj;ksa ,oa xzke ikfjfLFkfrdh fodkl Ifefr dks lgk;skx djukA
- 5& ikfjfLFkfrdh fodkl ekbØkslyku ,oa xzke ds okf"kZd fØ;kUo;u ;kstuk dks rS;kj djus esa lg;ksx djuk ,oa fu/kkZfjr le; lhek ds vUnj ekbØkslyku ,oa okf"kZd fØ;kUo;u ;kstuk] tks xzke ikfjfLFkfrdh fodkl Ifefr dh vke IHkk }kjk Lohdkj fd;k x;k gks] dks lajf{kr {ks= izcU/kd ds le{k izLrqr djukA
- 6& vke IHkk dh cSBd ls ,d i{k ds vUrZxr] izfr o"kZ ,d lwph lnL;ksa ds uke] irk] is'kk ls ;qDr fucU/kd Ifefr;ksa ds le{k] Ifefr;ka fucU/kd vf/fu;e 1860 ds izkfo/kuksa ds vUrxZr izLrqr djuk A
- 7& ikfjfLFkfrdh fodkl dk;ZØe ds lqpk: fØ;kUo;u dks fuf'pr djuk rkfd xzke ikfjfLFkfrdh fodkl Ifefr ds lnL; ftlls vf/kdre ykHk ik ldsa A
- 8& 'kklu }kjk Lohd`r ikfjfLFkfrdh fodkl dks" k ,oa mRiknu ykHkksa dks vck/k :i ls YkkHkkfFkZ;ksa dh miyC/krk lqfuf'pr djukA
- 9& fu/kkZfjr izfØ;k ds vuqlkj dk;Zdykiksa ds vfHkys[kksa ,oa ys[kk dk j[k j[kko djuk vkSj bu vfHkys[kksa dks fu/kkZfjr vf/kd`r O;fDr;ksa dks miyC/k djuk A

10& fdlh lnL; fo'ks"k tks iwokZx`g ls xzflr gS vkSj@;k
ou@oU; tho ds fgr esa lacf/kr ou jsat vf/kdkjh@ou
j{k d ds fojks/k esa gks ftldk ifj.kke xyrh djus ij lnL;ksa
dh lnL;rk dks fujLr fd;k tk ldrk gS] ds fØ;kdykiksa ds
ckjs esa lwfpr djuk A

11& bl vf/fu;e ,oa oU; tho laj{k.k vf/kfu;e ds izkfo/kuksa
dk mYya?ku djus okys fdlh Hkh dk;Z dks jksduk A

12& xzke ikfjLFkfrdh fodkl lfefr ds xYrh djus okys lnL; lfgr
fdlh Hkh vijk/kh ds fo:) cuk;s x;s fu;eksa vkSj vf/kfu;e
rFkk oU; tho laj{k.k vf/kfu;e ds vUrZxr dk;Zokgh djus
gsrq ou vf/kdkfj;ksa dks lg;ksx nsuk A

10- dks"k %

ikfjLFkfrd fodkl fØ;kdykiksa ds fy;s xzke ikfjLFkfrdh fodkl lfefr
dks"k dh O;oLFkk djsxhA tgkW rd IEHko gksxk 'kklu ,oa v'kkldh;
lalk/kuksa] ftlesa O;fDr ,ao xzke lHkk }kjk izklr nku lfEefyr gS] ls dks"k
dh O;oLFkk dh tk;sxhA tc dHkh 'kklu ikfjLFkfrdh fodkl ds fy, dks"k
miyC/k dj;ksxk] rks ;g dks"k fdLrksa esa lajf{kr {ks= izcU/kd }kjk 'kklu
ds vkns'kkuqlkj tks bl ds ckjs esa le;≤ ij fuxZr fd;s tk;saxs }kjk
fdLrksa esa voeqDr fd;k tk;sxk A

11- ys[kk dk lapkyu %

- 1& dks" k mijksDr vkbVe ua- 11 ls lEcFU/kr vU; lHkh izdkj dh izklr /kujkf'k dks lEcFU/kr xzke ikjfLFkfrdh fodkl lfefr ds uke ls jk"V^ah;d`r cSad ;k Mkd?kj esa tek fd;k tk;sxk vkSj xzke ikjfLFkfrdh fodkl lfefr ds vè;k rFkk lnL; lfpo de dks"kkè;k ds }kjk la;qDr :i ls lapkfyr fd;k tk;sxk A
- 2& cSad ls leLr vkgj.k xzke ifjfLFkfrdh fodkl lfefr dh iwoZ vuqefr ij fd;k tk;sxk vkSj vkgfjr /kujkf'k rFkk O;; dk fooj.k xzke ikjfLFkfrdh fodkl lfefr dh vxkeh cSBd esa izLrqr fd;k tk;sxk A
- 3& fd;s x;s O;; ,oa blds ys[kkc) djus dh izfØ;k le;≤ ij jkT; ljdkj }kjk fuxZr vkns'kksa ds vuqlkj gksxhA

12- ys[kk ,oa ys[kk ijh{kk %

- 1& xzke ikjfLFkfrdh fodkl lfefr mfpr ys[kk vkSj vk;&O;; dk lqlaxr vfHkys[k j[ksxh vkSj 'kklu ds funsZ'kkuqlkj ,d okf"kdZ ys[kk fooj.k rS;kj djsxh A
- 2& xzke ikjfLFkfrdh fodkl lfefr ds ys[k dh ys[kk ijh{kk funs'kd] ys[kk ijh{kk LFkkuh; fudk;] mRrj izn'k }kjk dh tk;sxh A

13- ykHk dk foHkktu %

- 1& ekbØkslyku dh ykxr dk 25 izfr'kr xzke leqnk; ds lnL;ksa }kjk ogu fd;k tk;sxkA xzke leqnk; viuk ;ksxnku fuekZ.k lkexzh

¼Hkwfe vkfn½ Jfed vFkok fuf'pr vof/k ds vius vf/kdkjksa ds LFkxr ds :i eas djsaxs A

2& O;fDrxr ykHkkFkhZ xzke ikfjLFkfrdh fodkl lfefr ls _.k vFkok vfxze izklr dj ldsaxsA _.kksa vFkok vfxze dk iw.kZ Hkwxrku izR;sd xzke ikfjLFkfrdh fodkl lfefr }kjk fu/kZfjr 'krkZs ds vuqlkj gksxkA

3& O;fDrxr ykHkkFkhZ U;wure 25 izfr'kr ifj;kstuk fØ;kdykiksa dh ykxr ogu djsaxsA O;fDrxr ykHkkfFkZ;ksa dks xzke ikfjLFkfrdh fodkl lfefr }kjk izLrkfor lEiw.kZ ykxr dk 5 izfr'kr ls vf/kd ugh forfjr fd;k tk;sxkA

4& fdlh O;fDrxr ykHkkFkhZ dks vfxze ;k _.k dh nwljh fd'r dk Hkqxrku rc rd ugh fd;k tk;sxk tc rd og iwoZ Lohd`r /kujkf'k dk iw.kZ Hkqxrku ,oa vU; 'krksZ dk iq.kZr% ikyu ugh dj ysrkA

5& xzke ikfjLFkfrdh fodkl lfefr dk /kujkf'k dks" k lrr~ dks" k izfØ;k LFkfkfir djus esa enn djsxkA ftlls iqu% yEch vof/k rd foRrh; O;oLFkk lqn`<+ djus esa lqxerk gksxh A

6& lajf{kr {ks= ls feyus okys ykHkksa dks ykHkkfFkZ;ksa ds chp le;≤ ij xzke ikfjLFkfrdh fodkl lfefr }kjk vke lgefzr ls Lohd`r izfØ;k ds vk/kkj ij forfjr fd;k tk;sxk vkSj mldksa vuqeksfnr ekbØkslyku esa lfEefyr fd;k tk;sxk A

14- InL;rk fooj.k %

lfefr ds InL;ksa dk fyf[kr vfHkys[k ftlesa muds irs oxhZdj.k rFkk ukfer InL;ksa ds vf/kd`r inkf/kdkfj;ksa dk fooj.k lfEefyr gksxk j[kk tk;sxkA

15- InL;ksa dh c[kkZLrxh vkSj ;k xzke ikfjfLFkfrdh fodkl lfefr dks Hkax djuk %

1& xzke ikfjfLFkfrdh fodkl lfefr esa fookn gksus ij lajf{kr {ks= ikfjfLFkfrdh fodkl vf/kdkjh@izcU/kd fookn dks lelr djus gsrq vko';d mik; djsaxsA

2& vf/kfu;e oU; tho vf/kfu;e vFkok vf/kfu;e ds vUrxZr cuk;s tks dksbZ fu;e dk mYy?kau djus dh fLFkfr esa O;fDrxr InL;rk lfefr iathdj.k vf/kfu;e 1860 dh /kkjk 15 ds vUrxZr c[kkZLr dh tk;sxh vFkok dk;Zdkj.kh vFkok xzke ikfjfLFkfrdh fodkl lfefr iathdj.k vf/kfu;e 1860 dh /kkjk 13] 13v vkSj 13c ds vuqlkj lajf{kr {ks= izca/kd dh laLrqfr ds vk/kkj ij Hkax dh tk;sxhA

16- fof/kd dk;Zokgh %

1& lfefr ds }kjk vFkok lfefr ds fo:) leLr okn vkSj oS/kkfud dk;Zokgh vè;{k ds ekè;e ls dh tk;sxhA

2& lfefr dh lEifRr vuqcU/k vkSj izR;kHkwfr vè;{k vkSj insu InL; lfpo de dks"kkè;{k ds }kjk fd;s tk;saxsA

3& dk;Zdkfj.kh ds }kjk lfefr ds lapkyu ds fy;s ,d lkekU;
eksgj@eqnzk iznku dh tk;sxh tks le; le; ij u"V dj mlds LFkku
ij ubZ eksgj@eqnzk iznku dh tk;sxhA eksgj dk iz;ksx lfefr ds
nks lnL;ksa ds lkFk gh fd;k tk;sxkA

4& vf/kfu;e ds fu;eksa] ifjfLFkfrdh fodkl ds 'kkldh; ladYi vkSj
ikfjfLFkfrdh fodkl ds fy;s 'kkldh; fn'kk funsZ'k esa mYysf[kr
fu;e] fof/k lfEefyr ugha fd;s x;s gksa mlds fy;s Hkh fu;e
cuk;s tk ldrs gSA

17- la'kks/ku %

;g vuqPNsn ifjofrZr ugh fd;s tk ldsaxs tc rd vke lHkk esa mifLFkfr
rhu pkSFkbbZ lnL;ksa }kjk vuqeksnu u dj fn;k tk;s vkSj 'kklu }kjk izLrko
Lohd`r u dj fn;k tk;sA

18- mn~ns';ksa esa ifjorZu %

lfefr ds }kjk mn~ns';ksa ;k fu;e esa iw.kZ ;k vkaf'kd la'kks/ku }kjk
lfefr ds Lo:i esa ifjorZu vFkok nwljh lfefr esa foyhuhdj.k fcuk ljdkj dh
iwoZ vuqefr vkSj lfefr iathdj.k vf/kfu;e 1860 ds fu;eksa ds ikyu ds fcuk
ugh fd;s tk ldrs gSaA

19- lfefr Hkax djuk %

lfefr iathdj.k vf/kfu;e dh /kkjk&13 vkSj 14 ds vuqlkj lfefr Hkax dh tk ldrh gSA 'ks" k lEifRr ds iz;ksx ds ckjs esa ykHk vkSj nsu&nkjh ds en~nsutj j[krs gq, 'kklu }kjk fu.kZ; fy;k tk;sxA

20- lfefr }kjk fuEufyf[kr vfHkys[kksa dk j[k&j[kko fd;k tk;sx %

1& InL;rk iaftdk

2& dk;Zokgh iaftdk

3& Hk.Mkj iaftdk

4& jksdM+ cgh

5& 'kklu }kjk fu/kZfjr vfHkys[k lfefr iathdj.k vf/kfu;e ds izkfo/kuksa ds vuqlkj

lfefr }kjk vU; vko';d vfHkys[k dk j[k&j[kko fd;k tk;sxA

ifjf'k"v &28

NATIONAL TIGER CONSERVATION AUTHORITY

(STATUTORY BODY UNDER THE MINISTRY OF ENVIRONMENT & FOREST, GOVT. OF INDIA)

Bikaner House, Annexe-V,

Dr. RAJESH GOPAL
Addl. P.C.C.F. & Member Secretary

Shahjahan Road, New Delhi- 110011
Tele Fax : 011- 23384428
Email : dirpt-r@nic.in

No. 1-9/93-PT

Dated the July 15, 2010

To,
The Field Director
(All Tiger Reserves)

Subject: Record of Post-mortem Examination.

Reference: Letter of even number dated 21-7-2007 from this Authority.

Sir,

Further to the correspondence cited above, a revised set of formats for recording post-mortem finding/sample collection are enclosed as indicated below:-

1. Revised Necropsy examination form
2. Necropsy kit checklist.
3. Considerations during necropsy.
4. Laboratory specimen collection and dispatch form.

The above formats have been refined/ designed by Dr. S.P.G. Bhalla, Veterinary Officer, Corbett Tiger Reserve which would facilities scientific documentation of the post-mortem, while ensuring uniformity.

Yours Sincerely,

Encl: As above.

Sd/-
(Dr. Rajesh Gopal
APCCF & Member Secretary (NTCA)

Copy to: 1- All Chief Wildlife Wardens of Tiger Reserve States.
2- Dr. S.P.G. Bhalla, Veterinary Officer, Corbett Tiger Reserve, P.O. Ramnagar, District.- Nainital, Uttrakhand with compliments for the good effort.

Sd/-
(Dr. Rajesh Gopal
APCCF & Member Secretary (NTCA)

dk;kZy; QhYM Mk;jsDVj] nq/kok Vkbxj fjtoZ]
y[kheiqj&[khjh

i= la[;k& 503@23&1@¼NTCA½ fnuakd %y[kheiqj&[khjh] tqykbZ] 24] 2010

Isok esa]

- 1& izHkkxh; oukf/kdkjh] mRrj [khjh ou izHkkx] y[kheiqj [khjh
- 2& izHkkxh; oukf/kdkjh] nf{k.k [khjh ou izHkkx] y[kheiqj [khjh
- 3& izHkkxh; oukf/kdkjh] fctukSj ou izHkkx] fctukSj
- 4& izHkkxh; oukf/kdkjh] lksgxhcjok oU; tho izHkkx] egjktxat
- 5& izHkkxh; oukf/kdkjh] lksgsyok oU; tho izHkkx] cyjkeiqj
- 6& mi funs'kd] nq/kok Vkbxj fjtoZ izHkkx] ify;k [khjh
- 7& izHkkxh; oukf/kdkjh] drfuZ;k/kkV oU; tho izHkkx] cgjkbp

fo''k;& **Record of Post mortem Examination .**

lanHkZ& lnL; lfpo] ,u0Vh0lh0,0 ds dk;kZy; dk i=akd No. 1-9/93-PT Dated 15-07-2010

egksn;]

mijksDr fo''k;d lanfHkZr i= }kjk **Post-mortem Examination**

Proforma rFkk Annexure bl dk;kZy; esa izklr gqvK gSA ftldh Nk;kizfr

,rRlg layXu dj vko';d dk;Zokgh gsrq izsf''kr dh tkrh gSA

layXud&;Fkksifj A

Hkonh;

g0

¼'kSys'k izlkn½

eq[; ou laj{kd ,oa QhYM Mk;jsDVj]

nq/kok Vkbxj fjotZ] y[kheiqj&[khjh

dk;kZy; izHkkxh; oukf/kdkjh] lksgsyok oU; tho izHkkx]

cyjkeiqj

i=kad & 1202 @23&1

f nukad] lksgsyok] vDVwcj]

10@2010-

izfrfyfi miizHkkxh; oukf/kdkjh] rqylhiqj ,oa cyjkeiqj dks layXudks
lfgr lwpukFkZ ,oa vko';d dk;Zokgh gsrq izsf''krA

izfrfyfi leLr {ks=h; oukf/kdkjh] lksgsyok oU; tho izHkkx] cyjkeiqj
dks layXudks lfgr lwpukFkZ ,oa vko';d dk;Zokgh gsrq izsf''krA

**¼ fot; izrki flag½
izHkkxh; oukf/kdkjh
lksgsyok oU; tho izHkkx
cyjkeiqj**

RECORD OF NECROPSY EXAMINATION

NAME OF PROTECTED AREA/ZOO

NAME OF SPECIES with scientific name

AGE(approximate) SEX

AMBIENT TEMPERATURE in °C (at the time of acquisition)

DATE OF NECROPSY

DATE AND TIME OF DEATH (estimated)

TIME OF ACQUISITION OF CARCASS

TIME OF DISPOSAL OF CARCASS

GPS LOCATION PLACE OF DEATH OF NECROPSY (if different)

.....

AREA DESCRIPTION (topography, water source, etc)

.....

I. HISTORY OF DEATH

1. Brief History

.....

.....

.....

2. Observation of the surroundings

.....

.....

3. Other relevant information

.....
II. EXTERNAL EXAMINATION

PHYSICAL CONTIDITON : Normal/Fat/Thin/Emaciated

RIGOR MORTIS

SUPERFICIAL LYMPH GLANDS

MUCOUS-MEMBRANE

NATURAL ORIFICES

BODY WEIGHT in kg (approximate)

BODY LENGTH in cm (nose to tip of tail)

TAIL LENGTH in cm (base of tail to tip of tail)

HEIGHT AT WITHERS in cm

CHEST GIRTH in cm

STATE OF CARCASS: Fresh / Refrigerated / Deep frozen / Decomposed /
Incomplete

STATE OF DECOMPOSITION refer Annexure : Fresh / Bloated / Active decay /
Advance decay

DESCRIPTION OF WOUND/INJURIES, if any

.....

OTHER REMARKABLE OBSERVATIONS, if any

.....

Vital Measurements (Whichever applicable)

Rt. FORE FOOT-PAD GIRTH & LENGTH X BREADTH in cm (carnivores) refer
Annexure

LENGTH OF CANINE TEETH in cm (carnivores) : Upper Right

Upper Left Lower Left Lower Right

Rt. FORE FOOT-PAD CIRCUMFERENCE in cm (elephant)

.....

OHTERS (Length of Antler/Horn, Length & Circumference of Rhinoceros Horn, etc.)

.....

III. INTERNAL EXAMINATION

A. SKIN, SUBCUTANEOUS TISSUE & MUSCLES

B. BODY CAVITIES

1. POSITION OF VISCERAL ORGANS
2. PERITONEAL CAVITY
3. PLEURAL CAVITY AND PLEURA

C. RESPIRATORY SYSTEM

1. LARYNX
2. TRACHEA
3. BRONCHI AND BRONCHIOLES
4. LUNGS (Appearance, color & consistency)
5. LYMPH GLANDS
6. DIAPHRAGM

D. HEPATIC SYSTEM

1. LIVER (Appearance, size, color)
2. LIVER TISSUE
3. GALL BLADDER & DUCTS
4. LYMPH GLANDS

E. CIRCULATORY & LYMPHATIC SYSTEM

1. PERICARDIAL SAC
2. HEART MUSCLE
3. HEART CHAMBERS
4. LARGE BLOOD VESSELS
5. SMALL BLOOD VESSELS (Mesenteric)
6. SPLENIC (Appearance, size, color)
7. SPLENIC TISSUE

F. DIGESTIVE TRACT

1. PHARYNX

2. ESOPHAGUS

3. STOMACH (Simple) (i) Cardiac zone

(ii) Fundus

(iii) Pylorus

(Compound)

(i) Rumen

(ii) Reticulum

(iii) Omasum

(iv) Abomasum

4. SMALL INTESTINES (i) Duodenum

(ii) Jejunum

(iii) Ileum

5. LARGE INTESTINES (i) Caecum

(ii) Colon

(iii) Rectum

6. LYMPH GLANDS (Mesenteric)

G. UROGENITALA ORGANS

1. KIDNEYS (Color and appearance)

2. URINARY BLADDER

3. REPRODUCTIVE ORGANS (i) Testes/Pains/Glands

(ii) Ovary/Uterus/Vagina

H. ADRENALS

I. HEAD

1. BUCCAL & NASAL CAVITIES

2. TONGUE

3. BRAIN AND SPINAL CORD

J. SKELETON

IV. SUMMARY OF MAJOR FINDING

.....
.....
.....
.....

S. No.	Sample	Preservative used	Examination required	Laboratory address
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

IV. PROVISIONAL DIAGNOSIS

.....
.....
.....
.....
.....

Place

1. Signature

.....

Veterinarian's name

Date

Designation

.....

2. Signature

Veterinarian's name

Designation

ANNEXURE

1. Formula for calculation of Body weight in elephants [*Hile et al*]

Weight in Kg = $18 (\text{chest girth in cm}) - 3336$

2. **Measuring a pugmark** [Talwar R, Usmani A (2005) Reading pugmark – A pocket book for forest guards, 2nd end, pp. 23-24, WWF-India, New Delhi]

.....

- Pugmark Length or PML is the measurement from the tip of the farthest toe to the base of the pad along the line of walk.
- Pugmark Breadth or PMB is the measurement between the outer edges of the first and last toe.

- The above are measured by drawing a box (all corners at 90 degrees) touching the extreme ends of the pugmark.

3. Stages of decomposition

The process of decomposition has been divide into the following four stages :

Fresh stage: This stage began at the moment of death and ends when bloating is evident.

Bloated stage: Gases produced by metabolic activity of anaerobic bacteria cause a slight inflation of the abdomen. This stage begins when gases start to accumulate in the carcass and ends when body deflates.

Active decay stage: This stage begins when bloating finishes. The onset of this stage is marked by the deflation of the carcass. The skin is broken due to growing up Dipteran larvae. The greatest percentage of biomass is removed during this stage as a result of the maggot feeding masses. The end of this stage is marked by the Dipteran larva migration before pupation.

Advanced decay stage: This stage begins when the last Dipteran larvae depart from the carrion; much of the flesh is removed. The carcass consisted of dry skin, cartilage, and bones.

Necropsy kit checklist

EQUIPMENT

A basis necropsy kit can be assembled in preparation for transport to a field necropsy site on short notice. The kit should contain the following items :

Necropsy equipment

1. Bone cutter (small)
2. Bone cutter (large)
3. Butcher knife
4. Hammer
5. Knife (large)
6. Knife (small)
7. Knife Sharpener
8. Surgical Blades
9. BP blade handle
10. Rat tooth forceps (small and large)
11. Tissue forceps (small and large)
12. Probe
13. Scissor (both ends sharp) (small and large)
14. Scissor (blunt-sharp) (small and large)
15. Tray
16. Sharp container

17. Spirit lamp
18. Match box
19. Measuring tape (30 meter length)
20. Nylon thread

Necropsy documentation

21. Marker pen and pencil
22. Labels
23. Necropsy forms, Laboratory specimen forms
24. Note book, papers

Protective Clothing

25. Apron (disposable or non-disposable)
26. Shos covers (disposable)
27. Sterilised Gloves (disposable)
28. Non-sterilised Gloves (disposable)
29. Veterinary Gloves (disposable)
30. Face Mask (disposable)
31. Cap (disposable)
32. Full face Shield (disposable)

Specimen Containers and sampling instruments

33. EDTA vacutainer
34. Serum separator vacutainer
35. Syringe with needles (20g) 2ml, 5ml, 10ml
36. Microscope glass slides & slides box

- 37. Aluminium foil
- 38. Containers 250ml, 500ml
- 39. Zip lock bags – medium and large
- 40. Sterile swabs
- 41. Sterile containers (50ml)

Transport materials

- 42. Cotton roll (500g)
- 43. Insulated container
- 44. Packaging tapes (1 inch and 2 inch)
- 45. Ice packs
- 46. Ice box- small

Disinfection materials

- 47. Chlorhexidine Solution (Savlon)
- 48. Isopropyl Alcohol
- 49. Liquid soap
- 50. Lime

Fixatives and Preservatives

- 51. Methanol
- 52. Silica gel
- 53. Buffered formalin 10%
- 54. Sterile Buffered glycerin 50%
- 55. 70% Ethyl alcohol

Others

- 56. Global Positioning System
- 57. Camera

58. Weigh machine (upto 400 kg)

59. Plastic sheets

60. Flashlight

Appendix

Sterile Buffered Glycerin (50%)

For transporting tissues for culture when refrigeration is not available. To make sterile buffered glycerin, mix glycerin with an equal amount of buffer composed of :

A- 21 g citric acid mixed in 1000 distilled water

B- 28.4 g anhydrous sodium phosphate in 1000 distilled water

Mix 9.15 ml of A and 90.85 ml of B

Mix 100 ml of buffer with 100 ml of glycerin.

Then sterilize in small tubes to take into the field

10% Buffered Formalin

For fixation of tissues for histology.

To make one liter mix

100 ml formalin (34-40% formaldehyde)

900 ml distilled water

4 g sodium chloride (table salt)

70% Ethyl Alcohol

For parasitological examination

To make one liter mix

700 ml of 100% ethanol

100 ml of distilled water

Consideration during Necropsy

CONTENTS

Introduction

Equipment

Safety considerations

Labeling of specimen

General observations about the carcass and its surroundings

Specimen collection and preservation

Tissue sampling procedures

For histology, microbiology, serology, toxicology, parasitology and cytology

General steps to performing the necropsy

Carcass dissection using the carnivore as a model

General Concerns for Performing the Necropsy

Post – Necropsy

APPENXIX – I

Fixatives and preservatives

APPENXIX – II

Tissue checklist for microbiology and toxicology

INTRODUCTION

Many diseases affecting valuable wildlife resources have gone undetected because appropriate samples were not collected for diagnostic testing from animals that died due to the disease. The purpose of this document is to provide a national standard for biological sample collection. When appropriate samples and accurate written and photographic records are taken, the cause of disease can be determined in most cases.

The purpose of this manual is to provide practical guidelines for performing field necropsies on wild animals and for collecting, storing and shipping samples in the field for diagnostic testing. It would be worthwhile to collect complete tissue samples including blood as it would aid in the recognition of disease condition. If only selected samples are taken because a particular disease is suspected and the animal does not have that disease these samples may be inadequate to test for other diseases that might be causing the disease. Furthermore, selective sampling limits the information that could be procured from a wild animal necropsy that could aid in future population or ecosystem management.

Before performing a necropsy on an animal two important points need to be considered:

1- ZOONOTIC DISEASES :

Could this species have a disease that is transmissible to humans? Diseases such as rabies or Echinococcosis (Hydatid disease) in carnivores, anthrax or rabies in ungulates or psittacosis in birds can cause serious and fatal diseases in humans. Many primate diseases also can cause illness. Take appropriate protective measures before conducting the necropsy. Wearing a mask is particularly important when performing a

necropsy on a primate, bird or a carnivore suspected of rabies. Also, all samples should be handled with care and unfixed samples should be placed in leak proof containers so that dangerous infectious materials do not leak during transport.

2- REPORTABLE AND INFECTIOUS DISEASES -

Could this animal have a disease that is infectious to livestock or other wild animals? Diseases such as anthrax, foot and mouth disease, or tuberculosis can spread to other animals through contamination of the environment during the necropsy procedure. Anyone conducting necropsy of wild animals should be aware of the typical lesions of these diseases and take extra precautions when decontaminating a necropsy site.

EQUIPMENT

A basis necropsy kit can be assembled in preparation for transport to a field necropsy site on short notice. The kit should contain the following items :

Necropsy equipment

1. Bone cutter (small)
2. Bone cutter (large)
3. Butcher knife
4. Hammer
5. Knife (large)
6. Knife (small)
7. Knife Sharpener
8. Surgical Blades
9. BP blade handle
10. Rat tooth forceps (small and large)
11. Tissue forceps (small and large)
12. Probe
13. Scissor (both ends sharp) (small and large)
14. Scissor (blunt-sharp) (small and large)
15. Tray
16. Sharp container
17. Spirit lamp
18. Match box
19. Measuring tape (30 meter length)

20. Nylon thread

Necropsy documentation

- 21. Marker pen and pencil
- 22. Labels
- 23. Necropsy forms, Laboratory specimen forms
- 24. Note book, papers

Protective Clothing

- 25. Apron (disposable or non-disposable)
- 26. Shoes covers (disposable)
- 27. Sterilised Gloves (disposable)
- 28. Non-sterilised Gloves (disposable)
- 29. Veterinary Gloves (disposable)
- 30. Face Mask (disposable)
- 31. Cap (disposable)
- 32. Full face Shield (disposable)

Specimen Containers and sampling instruments

- 33. EDTA vacutainer
- 34. Serum separator vacutainer
- 35. Syringe with needles (20g) 2ml, 5ml, 10ml
- 36. Microscope glass slides & slides box
- 37. Aluminium foil
- 38. Containers 250ml, 500ml
- 39. Zip lock bags – medium and large

- 40. Sterile swabs
- 41. Sterile containers (50ml)

Transport materials

- 42. Cotton roll (500g)
- 43. Insulated container
- 44. Packaging tapes (1 inch and 2 inch)
- 45. Ice packs
- 46. Ice box- small

Disinfection materials

- 47. Chlorhexidine Solution (Savlon)
- 48. Isopropyl Alcohol
- 49. Liquid soap
- 50. Lime

Fixatives and Preservatives

- 51. Methanol
- 52. Silica gel
- 53. Buffered formalin 10%
- 54. Sterile Buffered glycerin 50%
- 55. 70% Ethyl alcohol

Others

- 56. Global Positioning System
- 57. Camera
- 58. Weigh machine (upto 400 kg)

59. Plastic sheets

60. Flashlight

Safety Considerations –

Personal Safety –

Some diseases of wildlife can cause serious illness or death in humans, all carcasses should be handled as if they were harbouring potentially dangerous diseases and precautions for personal safety should be exercised. Minimal protective clothing is always advised that includes apron, gloves and a mask that covers the nose and mouth, shoe covers.

Handling of carcass –

Diseased wildlife should also be handled carefully to minimize exposure of other wild and domestic animals. If ANTHRAX is suspected, a blood smear should be made by nicking an ear vein or other available vein and checking for *Bacillus anthracis* by microscopy before the carcass is opened. Carcasses with anthrax or other infectious diseases should be buried (preferably covered with a disinfectant and buried at least 2 m deep to prevent scavenging).

Depatching samples –

Freshly collected and frozen samples should be packaged and despatched immediately after necropsy so that no further deterioration occurs. Laboratory must also be telephonically informed about the details of the samples.

Labelling of Specimen –

All containers, tubes, slides and bags should be labelled using a waterproof marker. Placing a second label in a plastic bag that is then attached to the container adds further security. For formalin-fixed tissues, a paper label with the animal identification written in pencil can be submerged in formalin with the tissues.

The following information should be included on the labels :

Date

Location

Species

Tissue type & preservative used

General Observations about the Carcass and its Surroundings –

Assessment of the Condition

Examine :

- Any recent weather conditions that could have caused animal death (drought, floods, electrical storm, etc.)
- Ambient temperature that might lead to further deterioration of carcass.
- Signs of struggle.
- Condition of the animal
- Any bite wounds, other signs of predation. If wounds are present, look for bruising and bleeding in the tissues near the wounds which would indicate that they occurred before the animal died. Look for signs of humans or injuries caused by humans. Otherwise these wound most likely were caused from the carcass being scavenged.
- Broken bones, missing hair, broken or missing teeth or other signs of trauma.
- Maldeformities (if any)
- External parasites (preserve if any)

Consideration about Nutritional Status

- Evaluate weight, body length and chest girth (details mentioned in the necropsy form) Examine :
- Fat stores under the skin and in body cavities.
- Amount of fat around the heart and kidneys.
- Amount of food in the digestive tract.

- Condition of the teeth like deposition of tartar, chipping, fracture, pulpal exposure etc.

Specimen Collection and Preservation

Most carcasses will have some AUTOLYSIS, but diagnostic tests can still be performed if tissues are properly handled. Therefore gentle handling of autolysed tissues is recommended. Quickly place in preservative.

Freeze or refrigerate samples as soon as possible for infectious disease or toxicology testing.

Autolysis can cause many artefacts in tissues that can be confused with a disease process. However, it is always best to take a sample from an area that look abnormal rather than assume that the change was caused by autolysis. Histopathology will be able to distinguish between true lesions and post-mortem changes.

Histopathology

- Samples should be taken from all major organs and any abnormal areas as well.
- Samples from GIT can be placed in one container and should not be placed with other organs.
- Samples should be placed in container of 10% buffered formalin.
- Quickly submerge tissues in 10 times the volume of formalin as the volume of tissues.
- Samples should be not thicker than 1cm so that they can fix, but long and wide enough to represent the different areas of a tissue as well as any abnormalities.
- Samples that include abnormal areas and surrounding normal areas are best.
- Samples should be handled carefully by grasping at the edges.

- Crushing, Stretching, Scraping or otherwise damaging specimens should be avoided. Gentle handling is required.
- If tissue needs special labeling, place it in a different container or attach a piece of paper to the tissue with string or a pin and label the paper or container with pencil or water proof marking pen.
-

Microbiology (Bacteriology and Virology)

To take samples without contaminating them, the samples need to be taken before tissues are touched and the instruments need to be sterilized. These samples also should be placed in sterile containers. To sterilize instruments, dip the tips in alcohol and then flame them or flame the tips until they are red and then let them cool. Samples also can be taken with a sterile swab, sterile syringe, or by placing a large (3cm x 3cm) section of tissue directly in a sterile container (the center of the tissue will be uncontaminated).

Take samples that contain abnormal areas. Appropriate samples include: whole blood, pus, areas with abscesses or nodules, or intestinal contents (within a loop of intestines). When taking samples from infected tissues, select an area near the edge of the affected tissue where live organisms are most likely to be found. If no abnormal areas are present, take standard tissue samples of lung, liver, kidney, spleen, tonsil, and intestines.

Keep samples moist with transport media, sealed in a sterile container and cold. If refrigeration is not available, samples can be placed in 25% buffered glycerin in sterile containers. Transport swabs should be removed from their sterile wrapping, brushed against the lesion or fluid requiring sampling, and replaced in the tube as swiftly as possible to avoid contamination. Separate swabs should be taken from areas where the presence of pathogens is suspected. Sampling of the pleural surface of the lungs, bronchi, stomach mucosa, perineal fluid in the pericardial sac, brain surfaces, abscesses or infected areas is recommended for relatively fresh carcasses.

Smears of pus and infected tissues are also useful and can be air-dried and fixed with heat.

Toxicology

Take samples and place half of each sample in aluminum foil and half in plastic bags or containers (aluminum or plastic interfere with the testing of some toxins). Samples should be stored frozen (if possible) until shipped to a laboratory (see check list in Appendix II).

Parasitology

- Paces, gastro-intestinal contents and mucosal scraping can be preserved by refrigeration or 10% buffered formal. If GIT protozoa are suspected, the faecal matter can be stored in normal saline and then refrigerated.
- External parasites are best preserved in 70% ethanol.
- Trematodes (flukes) and cestodes (tape-worms) can be preserved by 10% buffered formalin.
- Nematodes can be preserved in 70% ethanol. A small quantity of glycerin if added prevents shrinkage.
- Make thin and thick blood smears on clean glass slides. Air dry and fix with methanol.

Preparation of Slides for Cytology

- Make a clean cut with a scalpel blade across the surface of the abnormal area of the tissue you wish to examine.
- Grasp the sample firmly with forceps, placing the cut surface down.
- Blot the cut surface of the sample across a paper towel or other absorbent surface until no blood or fluids are evident.
- Then gently touch the blotted surface in several location on clean slides.
- Fix with methanol.

Urine

Urine can be collected from the urinary bladder of relatively fresh carcasses with a sterile syringe. If the bladder is not distended it may be desirable to slit it to remove the urine with a syringe. Urine can be refrigerated but it should be submitted for culturing or clinical pathology as soon as possible after collecting. Samples can otherwise be frozen for later determination of osmolality and other urine values.

General Concerns for Performing the Necropsy

- All the procedures involved during necropsy must be carried out before sunset and proper light is essential.
- Ensure proper history and thorough ante-mortem examination of the carcass.
- All carnivores and ungulates are placed **on the left side** so that the right side of the carcass is opened. All birds, reptiles, and primates are placed **on their back**.
- After the body cavities are opened, the general nutritional condition of the animal and location of all organs should be assessed (to determine if any organs are displaced) before organs are removed. At this time, a sterile blood sample for culture can be taken to obtain serum for serological tests. A sterile sample of other organs should be taken for culture before organs are handled.
- After the general condition of the animal has been recorded, individual organs can be removed, examined and sampled in a systematic manner. Any abnormal findings (lesions) should be described. Photographs of abnormal findings provide the best documentation for records.

Description of Abnormalities Found at Necropsy

Criteria preferred for describing any abnormality is location, number & distribution, colour, size, shape, consistency, and texture. For example: “The liver contains multiple tan, firm nodules ranging from 1 to 3 cm in diameter that are distributed throughout all liver lobes. The nodules are gritty on cut surface.”

Post-necropsy

Disposal of carcass

Open air incineration is best preferred for all predators, small to medium-sized ungulates, primates, birds and reptiles as it allows complete disposal of all body parts (highly priced in wildlife illegal trade). If facility permits, large-sized ungulates can be cut into pieces before incineration.

On-site burial is best preferred for elephants and rhinoceros after removal of tusks and horn respectively. Salt and lime can also be used to fasten the natural decomposition process.

Disinfecting the necropsy site

The carcass and all tissues from the carcass including blood soaked dirt should be buried or incinerated. All contaminated paper or plastic materials should be either thoroughly disinfected or incinerated. All blood and residual tissues should be removed from the instruments and tools with soap and water. Then the instruments should be disinfected. Necropsy boots and apron should be cleaned and any contaminated clothing thoroughly washed. The external surface of any containers with samples should also be washed. Lime should be sprinkled to disinfect the necropsy site.

Storage or submission of samples

All the samples must be packed separately with proper packaging tapes to avoid leakage and cushioned with absorbent material to avoid spoilage. If necessary, ice packs should be interspersed with specimens to provide uniform refrigeration of freezing effect.

Formalin- fixed samples can be kept at a cool room temperature until shipped.

Any samples for culture should be kept refrigerated (for parasitology or bacterial cultures) or frozen (for toxicology or virus cultures).

It is best to ship frozen and fixed samples separately. If they must be shipped together, then insulate the fixed tissues from freezing by wrapping in newspapers. Assure that there is no spillage of formalin, because fixation of frozen samples will make culturing for bacteria or viruses impossible and will alter cells on blood smears or cytology slides. Furthermore, formalin will cause undesirable effect on the samples for toxicological investigation.

Appendix I. Fixatives and Preservative

Sterile Buffered Glycerin (50%)

For transporting tissues for culture when refrigeration is not available.

To make sterile buffered glycerin, mix glycerin with an equal amount of buffer composed of :

A. 21g citric acid mixed in 1000 distilled water

B. 28.4g anhydrous sodium phosphate in 1000 distilled water

Mix 9.15 ml of A and 90.85 ml of B

Mix 100 ml of buffer with 100 ml of glycerin

Then sterilize in small tubes to take into the field

10% Buffered Formalin

For fixation of tissues for histology

To make one liter mix :

100 ml formalin (38-40% formaldehyde)

900 ml distilled water

4g sodium chloride (table salt)

70% Ethyl Alcohol

To make one liter mix :

700 ml of 100% ethanol

100 ml of distilled water

Appendix II. Tissues Checklist for Microbiology and Toxicology

Tissues	Microbiology	Toxicology
Brain	√	√
Fat		√
Kidney	√	√
Stomach contents		√
Hair		√
Liver	√	√
Whole Blood	√	√
Lymph nodes	√	√
Tonsils	√	√
Spleen	√	√
Abscesses, granulomas	√	√

LABORATORY SPECIMEN FORM

NAME OF PROTECTED AREA/ZOO

NAME OF SPECIES with scientific name

AGE(approximate) SEX

AMBIENT TEMPERATURE in °C (at the time of acquisition)

DATE OF NECROPSY

DATE & TIME OF DEATH (estimated)

COPY OF NECROPSY EXAMINATION ATTACHED: YES/NO

BRIEF HISTORY

.....

S. No.	Sample	Preservative used	Examination required	Laboratory address
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

DATE & TIME OF COLLECTION

MODE OF DISPATCH: Post/rail/air/bus/messenger (messenger's name)

DATE & TIME OF DISPATCH

Handed over to SENDER'S ADDRESS:

.....

..... dated

by : Veterinarian's name & signature

.....

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BY FAX/CAMPGAG

ELECTION COMMISSION OF INDIA

Nirvachan Sadan, Ashoka Road, New Delhi-110001

K.R. PRASAD
SECRETARY (PLANNING-II)

No. 437/6/98-PLN-III

Dated 30th January, 1998

To,

1. The Chief Secretaries of all the States and Union Territories.
2. Chief Electoral Officers of all the States and the Union Territories.

Subject:- Vehicles and staff of Wild Life Sanctuaries, National Sanctuaries and National Game Parks-not to be requisitioned for election duty.

Sir,

It has come to the notice of the Commission that the Chief Electoral Officer / District Election Officers / Returning Officers / District Magistrates/Collectors sometime requisition the vehicles and staff of Wild Life Sanctuaries, National Sanctuaries and National Game Parks for the purpose of utilising them for elections. The Commission after taking into account all relevant factors has decided that the vehicles and staff of Wild Life Sanctuaries, National Sanctuaries and national Game Parks will be exempted from being requisitioned for election duties. The concerned authorities responsible for maintaining these sanctuaries and parks may be informed accordingly.

Kindly acknowledge receipt by return fax.

Your faithfully,

(K.R.PRASAD)