छत्तीसगढ़ माध्यमिक शिक्षा मण्डल, रायपुर

lEiy&i'u i=

d{kk x oh

i;koj.k

¼fo|kfpr iHkkx½

NÙkh lx< ek/;fed f'k{kk e.My] jk;iqj

i'u & i= dh ;ktuk

Scheme of Question Paper

fo"k;%& i;koj.k

i.kkd % 75

le; % 3 ?kV

ijh{kk % gkb Ldy ¼10oh½

¼v½ 'k{kf.kd mnn';ksa d vuqikr eku

(A) Weightage as per Educational objective:

lq Ø0	mnn';		vad	izfr'kr
1-	Kku (Knowledge)		22	30%
2-	vocks/k (Understanding)		37	50%
3-	vuqi;ksx ,oa dk'ky (Application & Skill)		16	20%
		;ksx	75	100%

¼c½ bdkbokj vadksa dk eku

lq Ø0	bdkbZ dk uke	bdkbZ ij vkaVfVr vad	i'u&i= d ik:i vuqikr vkaVfVr vad
1-	enk lj{k.k ,oa ic/ku	10	4$6 ¾ 10
2-	ty rFkk egklkxjh; lalk/kuksa dk lj{k.k ,oa ic/ku	8	1$2$5 ¾ 08
3-	tfod fofo/krk dk lj{k.k	7	1$2$4 ¾ 07
4-	in"k.k d idkj] L=kr ,oa ie[k in"kd	10	1$2$2$5 ¾ 10
5-	in"k.k d iHkko rFkk fu;=.k d mik;	10	1$3$6 ¾ 10
6-	vkink ic/ku	5	1 $ 4 ¾ 5
7-	i;koj.k leL;k,a -I	5	1$1$3 ¾ 5
8-	i;koj.k leL;k,a -II	5	1 $ 4 ¾ 5
9-	vPNh i;koj.k fuekZ.k gsrq i;kl	10	1$1$3$5 ¾ 10
10-	miHkksDrk f'k{kk	5	2 $ 3 ¾ 5
11-			
12-			

¼l½ dfBukbZ Lrj (Difficulty Level)

lO ØO	mnn';	vd	ifr'kr
1-	ljy (Easy)	15	20%
2-	vkSlr (Average)	45	60%
3-	dfBu (Difficult)	15	20%
	;kx	75	100%

¼n½ i'ui= fn'kk fun'k ,oa fodYi ;kstuk %&

(Instruction's & Scheme of Option for Question Paper)

- oLrfu"B i'u e ¼05½ cgfodYih; i'u rFkk ¼05½ fjDr LFkku dh ifr@mfpr tkMh cuk, dk i'u fn;k tkoxk vkj ;g iR;d lV e i'u Øekd 1 gkxk A
- iR;d lV e 1] 2 ,oa 3 vdk d i'uk e fHkUurk jgxh A leLr 04 vd ;k bll vf/kd vdk d y?kmÙkjh; rFkk nh?kmÙkjh; i'uk e fodYi fn;k tkuk g A fodYi i'u mlh bdkbZ l rFkk leku mnn';k d jgx A 04 vd ;k bll vf/kd vdk d i'u iR;d lV e ,d leku jgx A
- vf/kdre mÙkj lhek vfry?kmÙkjh; ½2 vd@30 'kCn½ ¼3 vd@50 'kCn½
  y?kmÙkjh; ¼4 vd@75 'kCn½ ¼5 vd@150 'kCn½
  nh?kmÙkjh; ¼6 vd ;k vf/kd@250 'kCn½

i'u & i= dk CyfiUV

Blue Print of Question Paper

fo"k;&& i;koj.k

i.kkd & 75

le; & 3 ?kV

ijh{kk & gkbLdy ¼10oh½

bdkbZ l-Ø-	bdkbZ	bdkbZ ij vkcfVr vd	vdokj i'u							dy i'u
			1 vd	2 vd	3 vd	4 vd	5 vd	6 vd	6 vd ;k bl l vf/kd	
1	I st	10	&	&	&	1	&	1	&	2
2	II nd	8	1	1	&	&	1	&	&	2$1
3	III rd	7	1	1	&	1	&	&	&	2$1
4	IV th	10	1	2	&	&	1	&	&	3$1
5	V th	10	1	&	1	&	&	1	&	2$1
6	VI th	5	1	&	&	1	&	&	&	1$1
7	VII th	5	2	&	1	&	&	&	&	1$2
8	VIII th	5	1	&	&	1	&	&	&	1$1
9	IX th	10	2	&	1	&	1	&	&	2$2
10	X th	5	&	1	1	&	&	&	&	2
11	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-
	;kx	**75**	**10**	**5**	**4**	**4**	**3**	**2**		**18+(10) 1**

Set - A

gkbLdy lVhfQdV ijh{kk

High School Certificate Examination

lEiy&i'u i=

SAMPLE PAPER

fo"k; %& (Subject) - i;koj.k **le; 3 ?k.Vk (Time- 3 Hrs)**

d{kk %& (Class) - nloh **i.kkd 75 (M.M.)**

(Instruction) & ¼fun'k½

1- lHkh i'u gy djuk vfuok;Z g A

Attempt all the Question

2- i'u Øekd 01 e 10 vd fu/kkfjr g A nk mi[k.M g A [k.M ^^v** e 05 cgfodYih; i'u rFkk [k.M ^^c** e 05 fjDr LFkkuk dh ifr vFkok mfpr lc/k tkfM, A iR;d i'u d fy, 1 vd vkcfVr g A

Q. No. 01 Carries 10 Marks. There are two sub-section, Section A is Multiple choice carries 05 marks and section B is fill in the blanks or match the column carries 05 marks.

3- i'u Øekd 02 l i'u Øekd 06 rd vfr y?kqRrjh; i'u g A iR;d i'u ij 02 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 30 'kCn A

Q. No. 2 to 06 are very short answer type question & it carries 02 marks each. Word limit is maximum 30.

4- i'u Øekd 07 l i'u Øekd 10 rd y?kqRrjh; i'u g A iR;d i'u ij 03 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 50 'kCn A

Q. No. 07 to 10 are short answer type question & it carries 03 marks each. Word limit is maximum 50.

5- i'u Øekd 11 l i'u Øekd 14 rd y?kqRrjh; i'u g A iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 04 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 75 'kCn A

Q. No. 11 to 14 are short answer type question & it carries 04 marks each. Each question has internal choice. Word limit is maximum 75.

6- i'u Øekd 15 l i'u Øekd 17 rd nh?kmRrjh; i'u g A iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 05 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 100 'kCn A

Q. No. 15 to 17 are long answer type question & it carries 05 marks each. Each question has internal choice. Word limit is maximum 100.

7- i'u Øekd 18 vkj 19 rd nh?kmRrjh; i'u g A iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 06 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 150 'kCn A

Q. No. 18 to 19 are long answer type question & it carries 06 marks each. Each question has internal choice. Word limit is maximum 150.

i'u 1& **[k.M ^v* @ Section (A)**

lgh fodYi pfu,

Choose the correct alternative

(i) lenrVh; fuokfl;k dk dfYl;e dkckuV ikIr gkrk g & ¼1½

v- vknHkfe l c- dPN ouLifr;k l

l- iokyfHkfRr;k l n- bue l dkb ugh

The people of coastal area get Calcium Corbonate.

(a) Dry land (b) Mangrove vegetatation

(c) Coral Reef (d) None of these

(ii) ckny [kky vH;kj.; fty e fLFkr g & ¼1½

v- jk;ij e c- t'kij e

l- egkIen e n- fcykIij e

Badal Khol sencturary is in district-

(a) Raipur (b) Jashpur

(c) Mahasamund (c) Bilaspur

(iii) bue l jfM;k/keh rRo ugh g & ¼1½

v- gkbMkt u &3 c- dkcu & 14

l- ;jfu;e & 235 n- ,Y;ehfu;e

Element that is not radioactive-

(a) Hydrogen - 3 (b) Carbon - 14

(c) Uranium - 235 (d) Aluminium

(iv) iV dh gb lrg dk Hkjk jx dkyk gk tkrk g & ¼1½

v- Pbs d dkj.k c- $PbsO_4$ d dkj.k

l- PbO d dkj.k n- bue l dkb ugh A

Brown colour painted surface become black-

(a) Due to Pbs (b) Due to $PbsO_4$

(c) Due to Pbo (d) None of these

(v) vkinkvk dk idkj gkrk g & ¼1½

v- 1] c- 2] l- 3] n- 4

Disasters are of ..... types

(a) 1, (b) 2, (c) 3, (d) 4

[k.M ^c* @ Section (B)

fjDr LFkku dh ifr dhft,

Fill in the blanks-

(i) gj ik/kk dk ---------- er dj nrh g A ¼1½

..... makes green plant die.

(ii) to Mhty fefJr b/ku l okguk d btu dh me ---------- g A ¼1½

The life of an engine of a vehicle ..... with the biodiesel mixed fuel.

(iii) LVku dlj ---------- l gkrk g A ¼1½

..... causes stone cancer.

(iv) fpidk vknkyu d i.krk ---------- Fk A ¼1½

..... is the head of Chipko movement.

(v) vkij'ku ex ---------- l ikjEHk gvk A ¼1½

Operation Deer was started in .....

i'u 2& jk"Vh; ty ic/ku ifj;kstuk dk mnn'; D;k g \ ¼2½

Waht is the aim of National water management ?

i'u 3& in"kd D;k g \ ¼2½

What is a pollutant ?

i'u 4& NRrhlx< e ck;kfMty dk fuek.k fdl ik/k l fd;k tk jgk g \ ¼2½

From which plant is biodiesel produced in Chhattisgarh ?

i'u 5& lkekftd fØ;kdykik l ok;e.My inf"kr gkrk g] bl dFku dh if"V dhft, A ¼2½

Clarify the statement "Social activities causes atmospheric pollution."

i'u 6& dkydkrk e ljlk ry e fdl inkFk d feykoV d dkj.k gtkjk 0;fDr vix gk x; \ ¼2½

The mixture of which substance in mustard oil handicapped thousands of people in Kolkata ?

i'u 7& ?kjy in"k.k dk fu;fU=r dju d dkb rhu mik; fyf[k, A ¼1$1$1½

Write three measures of controlling domestic pollution.

i'u 8& LoPN i;koj.k dh l[kn dYiuk D;k vko';d g \ ¼3½

Why is pleasant imagination of clearely environment neccessary ?

i'u 9& dy&dkj[kkuk d c<r i;kx l gku okyh i;koj.kh; leL;kvk d jkdFkke d dkb rhu mik; fyf[k, A ¼1$1$1½

Write any three measures for preventing the environmental problems caused due to increase in industries.

i'u 10& fdUgh rhu HkkT; inkFkk d uke rFkk mle feykoV gku oky inkFkk d uke fyf[k, A ¼1$1$1½

Write the names of any 3 food products and substances mixed for adulteration.

i'u 11& lL;koru D;k g \ bll enk dk D;k ykHk g \ ¼2½

What is crop ratation ? How is it beneficial for soil ?

^^vFkok OR

d.Vj Ñf"k l D;k le>r g \ bll enk dk D;k ykHk g \ ¼2$2½

What do you understand by contour cultivation ? How is it beneficial for soil?

i'u 12& NRrhlx< dk gcy LVV jkT; D;k ?kkf"kr fd;k x;k \ ¼4½

Why is Chhattisgarh declared as harbal State ?

^^vFkok OR

NRrhlx< jkT; }kjk ?kkf"kr ou uhfr D;k g \ ¼4½

What is the forest policy declared by Chhattisgarh state ?

i'u 13& ,d LFkku ij ck/k cuu d dkj.k Mc l iHkkfor {k= d ykxk d vU;= foLFkkiu ,o i;koj.k ij iMu oky pkj dkj.kk dk fyf[k, A ¼4½

Write any four effects, of the displacement of the people of submerged area during the dam construction on environment and life.

^^vFkok OR^^

ekuoÑr xfrfof/k;k d dkj.k ykxk dk iuLFkkiu o iuoklu d pkj dkj.kk dk fyf[k, A ¼4½

Write any four causes of rehabilitation and re estabilishment due to human induced activities.

i'u 14& gfjr xg izHkko dk ukekfdr vkj[k cukb, A ¼2$2½

Draw a labelled ray diagram of green house effect.

^^vFkok OR^^

vEyh; o"kk dk ukekfdr vkj[k cukb, A ¼2$2½

Draw a labelled ray diagram of acid rain fall.

i'u 15& fuEu ij lf{kIr VhIi.kh fyf[k, & (2½+2½)

¼1½ dPN ouLifr;k ¼2½ ickyfHkfRr;k

Write short notes on :-

(1) Mangrove Vegetation (2) Coral Reefs.

^^vFkok OR^^

fuEu ij lf{kIr fVIi.kh fyf[k, & (2½+2½)

¼1½ vkn Hkfe ¼2½ okVj'kM icU/k dk egRo

Write short notes on :-

(1) Dry land (2) Water shed management.

i'u 16& lenh in"k.k D;k g \ lenk d 0;kid :i l inf"kr dju oky dkjdk dk o.ku dhft, A ¼1$4½

What is marine pollution ? Describe the various factors that pollute the sea widely.

^^vFkok OR^^

enk in"k.k D;k g \ enk in"k.k d ekuoh; dkj.kk dk o.ku dhft, A ¼1$4½

What is soil pollution ? Discribe the anthropogenic causes of soil pollution.

i'u 17& vPN i;koj.k gr dku&dku l fØ;kdyki dju pkfg, \ lf{kIr e o.ku dhft, A ¼5½

What are the healthy activities that one should do for healthy environment ? Describe in brief.

^^vFkok OR^^

i;koj.k tutkxfr dk;Øe dku&dku l g \ iR;d dk o.ku dhft , A ½2$3½

What are the programmes of public awareness for environment ? Describe each in brief.

i'u 18& ou icU/k gr D;k&D;k ljdkjh i;kl fd; tk jg g \ iR;d dk lf{kIr o.ku dhft , A ½6½

What are the efforts made by the government for forest management ? Describe each effort in brief.

^^vFkok OR^^

Hkfe D;k g \ Hkfe d u"V vFkok nf"kr gku d dkj.kk dk fyf[k, A bld cpko d D;k&D;k mik; g \ (1+2½+2½)

What is land ? write the reasons of land deterioration and pollution. What are the means of its protection ?

i'u 19& ty in"k.k dk tho&tUrvk ij D;k iHkko iMrk g \ ty in"k.k fu;=.k d mik; fyf[k, A ½2$4½

What are the effect of water pollution on living organisms ? Write the measures of controlling water pollution.

^^vFkok OR^^

ok; in"k.k dk ekuo LokLF; ij D;k iHkko iMrk g \ okgfud ok; in"k.k dk fu;f=r dju d mik; fyf[k, A ½3$3½

What are effects of air pollution on human health ? Write the measures of controlling vehicle pollution.

&&00&&

^^lEiy mRrj**

[k.M & ^v*

(i) len rVh; fuokfl;k dk dfYl;e dkckuV ikIr gkrk g&

mRrj& ¼l½ iokyfHkfRr;k l

(ii) ckny[kky vH;kj.; fty e fLFkr g &

mRrj& ¼c½ t'kij e

(iii) bue l jfM;k/keh rRo ugh g &

mRrj& ¼n½ ,Y;eh fu;e

(iv) iV dh gb lrg dk Hkjk jx dkyk gk tkrk g &

mRrj& ¼v½ **pbs** d dkj.k

(v) vkinkvk dk idkj gkrk g &

mRrj& ¼c½ nk

^[k.M c* mRrj

(i) & SO_2 xl

(ii) & c<rh

(iii) & vEyh; o"kk

(iv) & Jh lUnjyky cgx.kk @ Jh pMh ilkn HkVV

(v) & ekp 2001

mRrj 2& jk"Vh; ty icU/ku ifj;ktuk dk mnn'; [krh dh inkokj vkj [krh l gku okyh vk; e of) djuk g A

mRrj 3& o inkFk tk vufpr LFkku ij] vufpr ek=k e ekuo }kjk folftr fd, tkr g] in"kd dgykr g A

mRrj 4& NRrhlx< e ck;kMh ty dk fuek.k jru tkr uked ik/k l fd;k tk jgk g A

mRrj 5& lekt d fofHkUu jhfr&fjokt] tl 'kok dk ngu] R;kgkjk rFkk 'kknh&C;kg e gku okyh vkfr'kckth vkfn dkj.kk l ok;eMy inf"kr gkrk g A

mRrj 6& dkydkrk e ljlkry e dke vku okyk no VkbfØlky QkLQV dh feykoV d dkj.k gtkjk 0;fDr vix gk x, A

mRrj 7& ?kjy in"k.k dk fu;f=r dju d 3 mik; fuEufyf[kr g &

¼1½ ?kjk e /kvk jfgr b/kuk d mi;kx dk c<kok nuk A

¼2½ ?kjy dMk&djdV dk [ky LFkku ij Qdu dh ctk; feVVh d xgj xM<k dk [kkndj mle nck nuk A

¼3½ ?kjk e f[kMdh] njokt rFkk jk'kunkuk dk lefpr ic/k gkuk pkfg,] ,o jlkb ?kjk e fpeuh dh 0;oLFkk djuh pkfg, A

mRrj 8& vkt d le; e LoPN i;koj.k dh l[kn dYiuk vfr vko';d g] ,d vPNk i;koj.k D;k g A bl fo"k; ij vud ykxk d vuder gk ldr g] tk bl ckr ij fuHkj djr g fd mud lkpu] jgu] [kku&iku] dke vkfn dju dk rjhdk D;k g A ij fQj Hkh bl ckr ij lHkh lger gkx fd dMk&ddV] /ky] jkx] in"k.k] HkhM] ruko] Mj] fpUrk, vkj vLoLFkrk] thou dh lnjrk dk {kfr igpkr g A vr% LoPN ,o vPN thou gr ;g dgk tk ldrk g fd thou dh x.koRrk dk Bkl vk/kkj i;koj.k dh x.koRrk gh g] LoPN ty] Hkk tu] ok;] vkokl i;koj.k d vko';d ?kVd g A ikÑfrd inkFkk dk lefpr mi;kx ge dj ld] bl gr LoPN i;koj.k dh l[kn dYiuk vfuok; g A

mRrj 9& dy&dkj[kkuk d c<r i;kx l gku okyh i;koj.kh; leL;kvk d jkdFkke gr rhu mik; fuEufyf[kr g &

¼1½ dy&dkj[kkuk e fpefu;k Åpkb ij yxkb tkuh pkfg, A

¼2½ dkj[kkuk l ckgj fudyu oky vif'k"V inkFkk dk lefpr mipkj fd;k tkuk pkfg, A

¼3½ m|kxk e df.kdh; in"kdk d fuLrkj.k d fy, cx fQYVj dk fpefu;k l tkMuk pkfg, A Qfcd fQYVj ;k gkb ,uth LØcj midj.kk dk i;kx djd ok; in"k.k de fd;k tk ldrk g A

mRrj 10& rhu HkkT; inkFkk d uke] mle feykoV gku oky i;Dr inkFk

Ø-	HkkT; inkFk		feykoVh inkFk
¼1½	'k) ?kh	&	MkyMk
¼2½	gYnh	&	yM ØkeV
¼3½	dkyh fep	&	iihr dk cht

mRrj 11& lL;koru enk lj{k.k dk ,d mik; g] ;fn enk e iR;d o"k ,d gh idkj dh Qly mxkb tk, rk enk dh mojk 'kfDr lekIr gku yxrh g] vr% enk dh mojk 'kfDr dk cuk, j[ku d fy, iR;d o"k Qlyk e ifjoru fd;k tk, rk bl lL;koru ;k Qly pØ dgr g A

mnkgj.k& ;fn enk e ,d ckj xg] dikl] eDdk] vky vkfn dh Qly cku d ckn nljh Qly ngyu dy d ik/kk dh gkuh pkfg,] bu ik/kk dh tMk e xkB ikb tkrh g] ftue mifLFkr thok.k okrkoj.k dh ukbVk tu dk Hkfe e fLFkj dj nrk g] ftll mojk 'kfDr c< tkrh g A

^^vFkok**

d.Vj Ñf"k& bl idkj dh Ñf"k igkMk dh <ykuk ij vf/kd mi;kxh g] [krk e ;k <yku oky {k=k e [kkp rFkk dVd cuk, tkr g] ftll ikuh ble :d tkrk g A

ykHk& ¼1½ ;g enk lj{k.k dh ,d tfod fof/k g A

¼2½ ble enk dk vijnu ugh gkrk g A

mRrj 12& NRrhlx< ikÑfrd nf"V l [kfut link l oHko'kkyh jgk g A ;g ikphure bfrgkl o lLÑfr dk lk{kh jgk g] oreku e N-x- jkT; }kjk ouk dk ljf{kr dju rFkkmld fpfdRlh; egRo dk tuekul rd igpku d fy, egRoi.k dk; fd, tk jg g A ftll bl vc ykx gcy LVV d uke l tkuu yx g A

^^vFkok**

NRrhlx< jkT; }kjk ouk d lj{k.k ,o fodkl gr ?kkf"kr ou uhfr fuEukulkj g &

¼1½ ou {k=k e Ñf"k okfudh dk;k dk c<kok fn;k tk,xk A

¼2½ jkT; d ou xkek dk jktLo xkek e cnyk tk,xk A

¼3½ jkT; dk gcy LVV cuku dh vo/kkj.kk dk er :i nu d fy, y?k oukit vkj vk"k/kh; ik/kk dk ljf{kr ,o lof/kr fd;k tk,xk A

mRrj 13& ,d LFkku ij ck/k cuu d dkj.k Mc l iHkkfor {k= d ykxk d vU;= foLFkkiu dk i;koj.k ,o ykxk ij fofHkUu idkjk l iHkko iMrk g A tl&

¼1½ cfLr;k dk uohu {k=k e clku l mudh lkLÑfrd fojklr u"V gk tkrh g A

¼2½ ifj;ktuk LFky dh enk] ouLifr rFkk vU; thok dh {kfr gkrh g A

¼3½ foLFkkfir ifjokjk dk tgk clk;k tkrk g] ogk d i;koj.k ij foijhr iHkko iMrk g A

¼4½ u, LFkku ij clu d dkj.k jktxkj dh leL;k gkrh g A

^^vFkok**

ekuoÑr xfrfof/k;k d dkj.k ykxk dk iuLFkkiu o iuoklu fuEu dkj.kk l gk ldrk g &

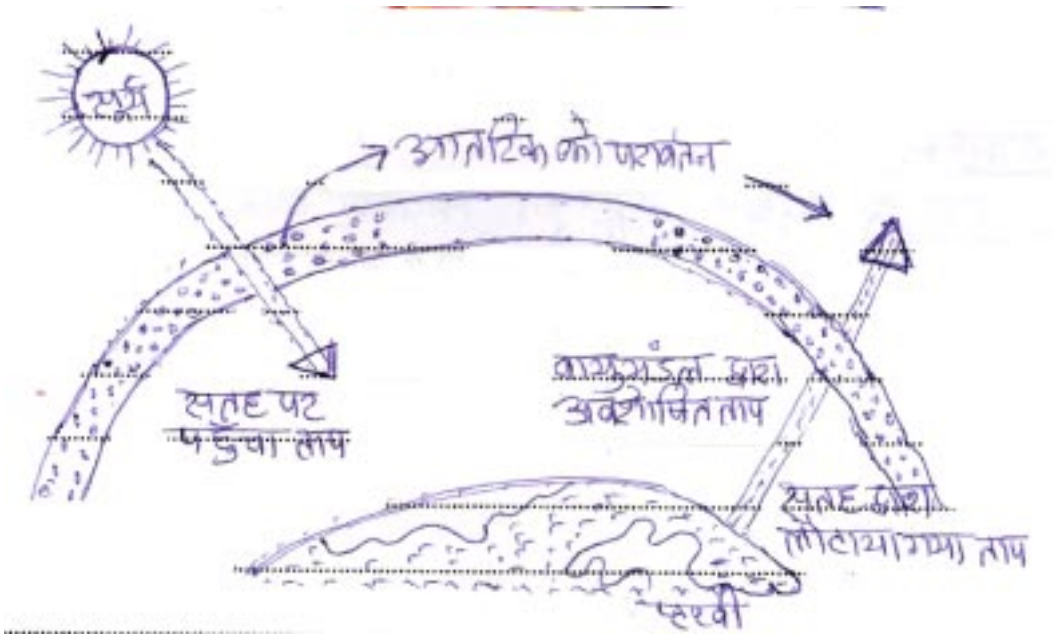
¼1½ ;) dky d le; lhekorh xkok l ykxk dk vU;= crk;k tkrk g A

¼2½ vk|kfxdhdj.k d le; ykxk dk nlj LFkkuk ij clk;k tkrk g A

¼3½ jyekx] jktekx cukr le; vf/kxfgr Hkfe e cl ykxk dk vU;= clk;k tkrk g A

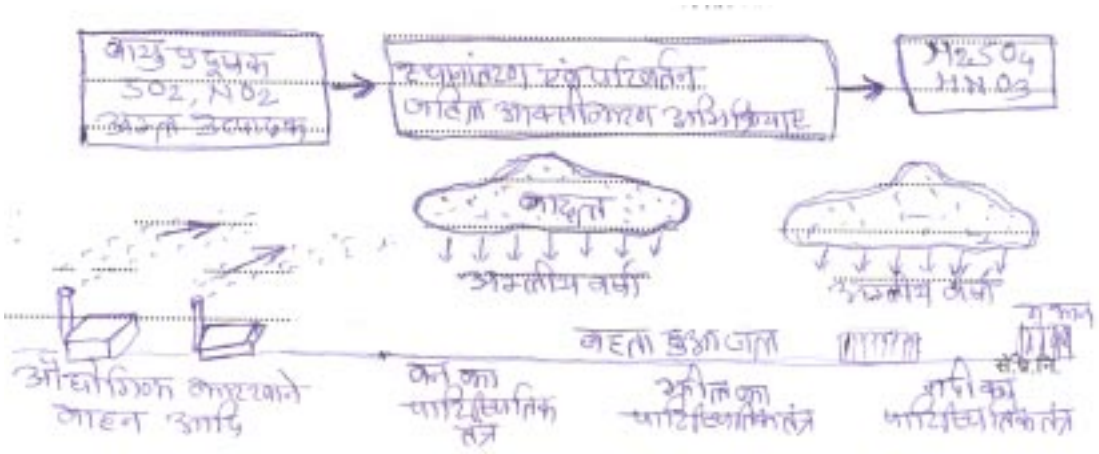
¼4½ ck/kk d fuek.k {k= e ,o mld Mc l lHkkfor iHkkfor {k= d ykxk dk vU;= clk;k tkrk g A

mRrj 14& gfjr xg iHkko dk vkj[k



^^vFkok**

vEyh; o"kk & ukekfdr vkj[k



mRrj 15& lf{kIr fVIi.kh&

¼1½ dPN ouLifr;k&

dPN ouLifr;k fo'o d Å".k rFkk mik".k dfVc/kh; {k=k dh {kkj lg okfudh ikfjfLFkrdh 0;oLFkk g ; cMh rknkn e ik/kk vkj tho tUrvk dh ,lh itkfr;k d lxg.k {k= g] tk ,d yc fodkIØe e vkil e lc/k jg g] vkj ftue {kkj lgu dju dh mYy[kuh; {kerk g] ; lenh rVj[kk dk fLFkj djrh g ,o len }kjk gk jg dVko l rVc/k dh j{kk djrh g A dPN ouLifr;k lep Hkkjrh; len rV ij ifjjf{kr egkuk Tokjh;] rkfM;k] i'; ty] {kkjh; nynyk vkj nynyh enkuk e ikb tkrh g] ; /kkj.kh; eRL; {k= dk lo/ku Hkh djrh g ou vkj i;koj.k e=ky; 1987 l dPN ouLifr lj{k.k dk; py jgk g A

¼2½ ioky fHkfÙk;k&

ioky fHkfÙk;k dk vxth e dkjy dgk tkrk g] ftl ,d fo'k"k idkj d tyh; ik.kh d fy, i;Dr fd;k tkrk g A len d vnj ,d NkVk lk ik.kh pu d [kky l fpidk jgrk g] og ogh ij c<rk] budh l[;k e yxkrkj of) l len d Hkhrj pu dk ,d pVVku bl ik.kh dh enn l mHkj dj vkrk g] pu l fufer bl ik.kh vo'k"k dk ioky fHkfÙk dgr g] Hkkjr e ioky fHkfÙk;k d ie[k LFky g &

½1½ vMeku ,o fudkckj }hi leg

½2½ y{k}hi

½3½ eUukj dh [kkMh

½4½ dPN dh [kkMh

^^vFkok**

½1½ vkn Hkfe%&

n'k e vkn Hkfe BM vkj 'k"d bykd l ydj e/; Hkkjr e dfVc/kh; ekuluh bykd vkj nf{k.k d ueh oky bykd e Qyh g A ;g ck< fu;=.k e iHkkoh g] vkj ryNV de djrh g A ;g {k= 'khrdky d fy, if{k;k vkj tho tUrvk d fy, 'kj.kkxkg g] fofHkUu idkj dh eNfy;k vkj tUrvk d ituu d fy, Hkh ;g mRre {k= g] lenh rQku vkj v/kM d iHkko dk lgu dju dh mPp {kerk bue gkrh g] ;g lenh rV j[kk dk fLFkj djrh g A

½2½ okVj 'kM i.kkyh dk egRo&

okVj 'kM ic/k e[; :i l oukjki.k ,o okVj 'kM ij vk/kkfjr Ñf"k Hkfe d fodkl d fy, vPN cht mojd cgrj Ñf"k Hkfe] midj.k ,o cgrj Ñf"k foKku fof/k;k dk i;kx fd;k tkrk g A 0;kid okVj 'kM fodkl dk;Øe Ñf"k fodkl ,o mRiknu c<ku d fy, vf/kd iHkkoh i)fr g A

mRrj 16& lenh in"k.k& lenh in"k.k d dkj.k lenh tho&tUr u"V gk jg g A lenh lEink dh gkfu gk jgh g A

lenh in"k.k d iHkko

(i) ufn;k d lkFk vku oky in"kd l lenh thok dk u"V gkuk A

(ii) nf"kr eNyh dk [kku l ekuo chekj gk jgk g A

(iii) len e n?kVuko'k iVkfy;e inkFkk d fjlko l ekuo] eNfy;k ij iHkkoA

(iv) lenh xgjkb e mifLFkr jlk;uk dk mi;kx vk"k/kh fuek.k e gk jgk g] in"k.k l bu inkFkk dh x.koRrk iHkkfor gkrh g A

(v) lenh in"k.k l ex dh mit de gk jgh g & xgjh vkfFkd {kfr A

(vi) ijek.k ijh{k.k l lenh tho jfM;k/kferk l iHkkfor gk x, g] tk dlj mRifRr dk dkj.k cu x, g A

^^vFkok**

enk in"k.k & enk foHkUu idkj d [kfut rRok] dkcfud inkFk] xlk ,o ty vkfn rRok dk ,d fuf'pr vuikr e feJ.k gkrk g A fdlh dkj.ko'k ljpuk ,o x.koRrk lekIr gk tkrh g] bl enk in"k.k dgr g A

enk in"k.k d dkj.k &

¼1½ ou fouk'k

¼2½ enk e jlk;uk dk mi;kx

¼3½ vk|kfxd vif'k"V

¼4½ uxjh; vif'k"V

mRrj 17& **vPN i;koj.k gr fØ;kdyki&** i;koj.k dk le>u] mld lryu ml tu mi;kxh cuku gr nf"Vdk.k ge cnyuk gkxk A

ie[k fØ;kdyki&

¼1½ iÑfr e ekuoÑr i;koj.k dh fLFkfr tk ekuo d nk"ki.k ÑR;k d ckn jg xb g ml lj{k.k inku fd;k tk, A

¼2½ in"k.k jkdu dkuuk dk l[rh l ikyu djkuk pkfg, A

¼3½ i;koj.k f'k{kk dh vko';drk dk ykxk dk le>k;k tk, A

¼4½ i;koj.k vkpkj lfgrk dk fodkl A

¼5½ i;koj.k d {k= e if'kf{kr 0;fDr;k dh vko';drk ij /;ku A

^^vFkok**

i;koj.k tu tkxfr dk;Øe

i;koj.k d ifr tkxfr d fy, vud dk;Øe pyk, tk jg g tk fuEufyf[kr g &

¼1½ ikfjfLFkfrdh fodkl f'kfoj

¼2½ 0;k[;ku J[kyk

¼3½ if'k{k.k dk;Øe

¼4½ fQYe in'ku

¼5½ in'kfu;k bR;kfn

lk/kkj.k tu ekul dk i;koj.k dh fofHkUu leL;kvk l voxr djk mul gk

ldu oky n"ifj.kke dh tkudkjh nh tkrh g] bu dk;Øek d lpkyu e 'kklu d lkFk Lo; loh lLFkkvk dh Hkh egRoi.k Hkfedk gku yxh g A

mRrj 18& **ou ic/ku gr ljdkjh i;kl&**

ouk d lj{k.k lEcU/kh uhfrxr fn'kk&fun'kk e ouk ij vkfJr 0;fDr;k dh b/ku] pkjk] xj bekjrh] ou mRiknu vkj bekjrh ydMh dh vko';drk ekx dk lokf/kd egRo fn;k x;k g A

l;Dr ou icU/ku dk;Øe d ie[k fl)kr fuEufyf[kr g &

¼1½ gkl gkr g, cM ou {k= dk LFkk;h lenk; dh Hkkxhnkjh l iuh gjk&Hkjk cuk;k tk ldrk g A

¼2½ LFkkuh; lenk; dh ou lj{k.k vkj ou dh mRikndrk c<ku e Hkkx yuk ckgj d 0;fDr;k dk ;ktuk l vyx j[kk tk; A

Hkkjr e l;Dr ou icU/ku i.kkyh d vrxr 15000 xkeou lfefr;k yxHkx 20 yk[k gDV;j {k= e u"V gk jg ouk dk icU/k dj jgh g A

^^vFkok**

Hkfe D;k g & Hkfe iFoh dk og Hkkx g] ftl ij ge fuokl djr g] i'k] i{kh] vkj lHkh tho tUr jgr g] ftl ij iM ik/k o ouLifr mxr g A iFoh d vnj vud ikÑfrd lk/ku Hkj g A ;g ijh iFoh dk 3@10 Hkkx g] vkj bl LFkye.My dgr g A

Hkfe d u"V ;k nf"kr gku d dkj.k &

¼1½ Hkfe {kj.k& rt o"kk] vk/kh ,o rQku l feVVh dh Åijh lrg dN gh fnuk e cg tkrh g] tcfd bld cuu e cgr vf/kd le; yxrk g] vr% feVVh dh j{kk djuk vko';d g] Hkfe {kj.k ty ,o ok; nkuk l gkrk g A

¼2½ Hkfe in"k.k& Hkfe d Hkkfrd jklk;fud ;k tfod x.kk e ,lk dkb Hkh vokf{kr ifjoru ftldk iHkko eu"; rFkk vU; thok ij iM vFkok Hkfe dh ikÑfrd x.koRrk rFkk mi;kfxrk u"V gk Hkfe in"k.k dgykrk g A

mRrj 19& **ty in"k.k dk tho tUrvk ij iMu okyk iHkko&**

ty d fuf'pr Hkkfrd] jklk;fud ,o tfod x.k gkr g] tc bu x.kk e fdlh vU; dkj.kk l ifjoru vk tkrk g rFkk bld PH eku e ifjoru gk tkrk gA

bl n'kk e ;g 'k) ty inf"kr ty dgykrk g A inf"kr ty dk iÑfr d vU; inkFkk ij udkjkRed iHkko iMu yxrk g A iÑfr e fo|eku ekuo ft ld fy, ty gh thou g A bl inf"kr ty d mi;kx e gtk] VkbQkbM] Mk;fj;k] ifpl ,o ihfy;k jkxk l iHkkfor gk tkrk g A dHkh&dHkh rk nf"kr ty d lou l vud idkj d iV lc/kh fodkj Hkh mRiUu gk tkr g A

okgfud in"k.k dk fu;f=r dju d mik;

¼1½ Mh ty jy d btuk d LFkku ij fo|r pfyr jy btuk dk mi;kx fd;k tkuk pkfg, A

¼2½ cVjh pfyr okguk dk vf/kdkf/kd mi;kx fd;k tkuk pkfg, A

¼3½ lhlk&jfgr iVky rFkk Mh ty e l;kth inkFkk dk feykdj okguk e i;kx dju l ok; in"k.k dk de fd;k tk ldrk g A

¼4½ vR;f/kd ok; in"k.kdkjh okguk ij ikcnh rFkk vU; okguk l mRiUu /k, dk ekudhdj.k l vf/kd Lrj gku ij dkuuh dk;okgh dk iko/kku gkuk pkfg, A

¼5½ okgu fuek.k dju okyh difu;k tk in"k.k inkFk de ek=k e mRlftr gk A

^^vFkok**

ok; in"k.k dk ekuo LokLF; ij iMu okyk iHkko

ok; in"k.k l eu"; d LokLF; ij cgr cjk iHkko iMrk g A bll 'olu&lc/kh cgr l jkx tl& QQMk dk dlj] vLFkek vkj QQMk l lEcfU/kr nlj jkx gk tkr g A ok; e foifjr cgr lh /kkrvk d d.k vud l jkx mRiUu djr g A lhl d d.k fo'k"k :i l ukMh e.My l jkx mRiUu djr g A ukbVkt u vkDlkbM l QQMk gn; vkj vk[kk d jkx] [kklh o lhu e nn mRiUu djrh g A

okrkoj.k e dkcu ekukvkDlkbM dh mifLFkr gku l eu"; d jDr e ghekXykfcu d v.k vkDlhtu dh ryuk e 200 xuk vf/kd rth l Co_2 d v.kvk l tMu yxr g] ft ll 'olu e ?kVu egll gku yxrh g A vf/kd le; rd bl ifjfLFkfr e jgu ij ne ?kVu l eR; gk tkrh g A

jklk;fud xl l;U=k rFkk ukfHkdh; ifj;ktukvk l ok;e.My e

fuLrkfjr gku oky fofHkUu fo"ky jklk;fud inkFk viuk nh?kdkyhu iHkko eu";k d LokLF; ij NkMr g A mnkgj.k Lo:i 1984 dk Hkkjr e gb Hkkiky xl =klnh e feFkkby vklklkbuV d fjlko d dkj.k vud ykx ekj x; Fk] tcfd bl xl d iHkko d dkj.k vud xHkorh efgykvk d xHkLFk f'k'k ej g, ink g, Fk A blh idkj fgjkf'kek o ukxklkdh ij f}rh; fo'o ;) e fxjk; x; v.k cek fd fofdj.kk d iHkko l vkt Hkh ogk cgr l f'k'k vix rFkk ekufld :i l fof{kIr ink gkr g A

&&00&&

Set - B

gkbLdy lVhfQdV ijh{kk

High School Certificate Examination

lEiy&i'u i=

SAMPLE PAPER

fo"k; %& (Subject) - i;koj.k **le; 3 ?k.Vk (Time- 3 Hrs)**

d{kk %& (Class) - nloh **i.kkd 75 (M.M.)**

(Instruction) & ¼fun'k½

1- lHkh i'u gy djuk vfuok;g A

Attempt all the Question

2- i'u Øekd 01 e 10 vd fu/kkfjr g A nk mi[k.M g A [k.M ^^v** e 05 cgfodYih; i'u rFkk [k.M ^^c** e 05 fjDr LFkkuk dh ifr vFkok mfpr lc/k tkfM, A iR;d i'u d fy, 1 vd vkcfVr g A

Q. No. 01 Carries 10 Marks. There are two sub-section, Section A is Multiple choice carries 05 marks and section B is fill in the blanks or match the column carries 05 marks.

3- i'u Øekd 02 l i'u Øekd 06 rd vfr y?kmRrjh; i'u g A iR;d i'u ij 02 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 30 'kCn A

Q. No. 2 to 06 are very short answer type question & it carries 02 marks each. Word limit is maximum 30.

4- i'u Øekd 07 l i'u Øekd 10 rd y?kmRrjh; i'u g A iR;d i'u ij 03 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 50 'kCn A

Q. No. 07 to 10 are short answer type question & it carries 03 marks each. Word limit is maximum 50.

5- i'u Øekd 11 l i'u Øekd 14 rd y?kmRrjh; i'u g A iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 04 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 75 'kCn A

Q. No. 11 to 14 are short answer type question & it carries 04 marks each. Each question has internal choice. Word limit is maximum 75.

6- i'u Øekd 15 l i'u Øekd 17 rd nh?kmRrjh; i'u g A iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 05 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 100 'kCn A

Q. No. 15 to 17 are long answer type question & it carries 05 marks each. Each question has internal choice. Word limit is maximum 100.

7- i'u Øekd 18 vkj 19 rd nh?kmRrjh; i'u g A iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 06 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 150 'kCn A

Q. No. 18 to 19 are long answer type question & it carries 06 marks each. Each question has internal choice. Word limit is maximum 150.

i'u 1& [k.M ^v* @ Section (A)

lgh fodYi pfu,&

Choos the correct alternative :-

(i) uohu ty uhfr n'k e ykx g & ¼1½

v- lu 2001 l c- lu 2002 l

l- lu 2003 l n- lu 2004 l

New water policy was implemented -

(a) From 2001 (b) From 2002

(c) From 2003 (d) From 2004

(ii) NRrhlx< e vH;kj.; dh l[;k g & ¼1½

v- 11 c- 13

l- 15 n- 17

The numbers of sencturies is Chhattisgarh is

(a) 11, (b) 13, (c) 15, (d) 17

(iii) ijek.k Åtk l;=k e 'khryd d :i e i;kx gkrk g & ¼1½

v- H_2O c- N_2O

l- D_2O n- bue l dkb ugh

Used as coolant in atomic power

(a) H_2O (b) N_2O

(c) D_2O (d) None of these

(iv) fo"kk.kvk l jkx mRiUu gkrk g & ¼1½

v- gtk c- VkbQkbM

l- Mk;fj;k n- ify;k

Disease caused due to virus-

(a) Cholera (b) Typhoid

(c) Diahorria (d) Jaundise

(v) ikfFko idki g & ¼1½

v- HkdEi c- ck<

l- l[kk n- pØokr

Earthen disaster is -

(a) Earthquake (b) Drought

(c) Flood (d) Cyclone

[k.M ^c* @ **Section (B)**

fjDr LFkku dh ifr dhft,&

Fill in the blanks-

(i) dy dkj[kkuk dk xnk ty ---------- dk c<kok nrk g A ¼1½

Dirty water of the factories gives rise to .....

(ii) tul[;k foLQkV ---------- dk viukdj jkduk gkxk A ¼1½

Population explosion has to be stopped adopting .....

(iii) gfjr xg iHkko e CO_2 dk ;kxnku ---------- g A ¼1½

The contribution of CO_2 in green house effect is .....

(iv) vkij'ku ex dk mnn'; ---------- d f'kdkj dh jkdFkke djuk g A ¼1½

The purpose of operation Deer is to prevent ..... from hunting.

(v) ty in"k.k vf/kfu;e e ---------- /kkjk, g A ¼1½

Water pollution orevention and control act consist of ..... articles.

i'u 2& rkykcka dk iDdk D;k cuk;k tkuk pkfg, \ ¼2½

Why should we contract permanent ponds ?

i'u 3& cxk vkfnokfl;k d fy, dku lk o{k iT;uh; g \ ¼2½

Which tree is worshipped by the Baiga tribes ?

i'u 4& i;koj.k in"k.k dk ifjHkkf"kr dhft, A ¼2½

Define environmental pollution.

i'u 5& ykg v;Ld l fudyk eyck Hkfe ij D;k iHkko Mkyrk g \ ¼2½

How dose the waste produced by the extraction of iron ore effect the Soil ?

i'u 6& feBkb;k e jxk d i;kx l fdl jkx dh lHkkouk gkrh g \ ¼2½

Which disease is caused by using colour in sweets ?

i'u 7& vk|kfxd in"k.k dk fu;f=r dju d dkb rhu mik; fyf[k, A ¼1$1$1½

Write any three measures controlling of industrial pollution.

i'u 8& ijEijkxr Åtk L=krk dk lj{k.k D;k vko';d g \ ¼3½

Why is the conservation of traditional energy sources neccessary ?

i'u 9& ou {k= e [kuu ifj;ktuk ikjEHk dju ou lj{k.k vf/kfu;e 1980 dk D;k egRo g \ ¼1$1$1½

What is the importance of forest conservation act 1980 is starting a mining work in forest area ?

i'u 10& 'kDdj e feykoV d fy, rhu inkFkk d uke fyf[k, A ¼1$1$1½

Write the names of three substances mixed with Sugar.

i'u 11& gfjr xg iHkko dk ukekfdr vkj[k cukb, A ¼2$2½

Draw a labelled ray diagram of green house effect.

^^vFkok OR^^

vEyh; o"kk dk ukekfdr vkj[k cukb, A ¼2$2½

Draw a labelled ray diagram of acid rain fall.

i'u 12& lL;koru D;k g \ bll enk dk D;k ykHk g \ ¼2$2½

What is crop ratation ? How is it beneficial for soil ?

^^vFkok OR^^

d.Vj Ñf"k l vki D;k le>r g \ bll enk dk D;k ykHk g \ ¼2$2½

What do you understand by contour cultivation ? How is it beneficial for soil?

i'u 13& NRrhlx< dk gcy LVV jkT; D;k ?kkf"kr fd;k x;k \ ¼4½

Why is Chhattisgarh declared as harbal State ?

^^vFkok OR^^

NRrhlx< jkT; }kjk ?kkf"kr ou uhfr D;k g \ ¼4½

What is the forest policy declared by Chhattisgarh state ?

i'u 14& ,d LFkku ij ck/k cuu d dkj.k Mc l iHkkfor {k= d ykxk d vU;= foLFkkiu ,o i;koj.k ij iMu oky pkj dkj.kk dk fyf[k, A ¼4½

Write any four effects, of the displacement of the people of submerged area during the dam construction on environment and life.

^^vFkok OR^^

ekuoÑr xfrfof/k;k d dkj.k ykxk dk iuLFkkiu o iuoklu d pkj dkj.kk dk fyf[k, A ¼4½

Write any four causes of rehabilitation and re estabilishment due to human induced activities.

i'u 15& vPN i;koj.k gr dku&dku l fØ;kdyki dju pkfg, \ lf{kIr e o.ku dhft, A ¼5½

What are the healthy activities that one should do for healthy environment ? Describe in brief.

^^vFkok OR^^

i;koj.k tutkxfr dk;Øe dku&dku l g \ iR;d dk o.ku dhft, A ¼2$3½

What are the programmes of public awareness for environment ? Describe each in brief.

i'u 16& fuEu ij lf{kIr VhIi.kh fyf[k, & (2½+2½)

¼1½ dPN ouLifr;k ¼2½ ioky fHkfRr;k

Write short notes on :-

(1) Mangrove Vegetation (2) Coral Reefs.

^^vFkok OR^^

fuEu ij lf{kIr fVIi.kh fyf[k, & (2½+2½)

¼1½ vkn Hkfe ¼2½ okVj'kM icU/k dk egRo

Write short notes on :-

(1) Dry land (2) Water shed management.

i'u 17& lenh in"k.k D;k g \ lenk d 0;kid :i l inf"kr dju oky dkjdk dk o.ku dhft, A ¼1$4½

What is marine pollution ? Describe the various factors that pollute the sea widely.

^^vFkok OR^^

enk in"k.k D;k g \ enk in"k.k d ekuoh; dkj.kk dk o.ku dhft, A ¼1$4½

What is soil pollution ? Discribe the anthropogenic causes of soil pollution.

i'u 18& ou ic/k gr D;k&D;k ljdkjh i;kl fd; tk jgs g\ iR;d dk lf{kIr o.ku dhft, A ¼6½

What are the efforts made by the government for forest management ? Describe each effort in brief.

^^vFkok OR^^

Hkfe D;k g\ Hkfe d u"V vFkok nf"kr gku d dkj.kk dk fyf[k, A bld cpko d D;k&D;k mik; g\ (1+2½+2½)

What is land ? write the reasons of land deterioration and pollution. What are the means of its protection ?

i'u 19& ty in"k.k dk tho&tUrvk ij D;k iHkko iMrk g\ ty in"k.k fu;=.k d mik; fyf[k, A ½2$4½

What are the effect of water pollution on living organisms ? Write the measures of controlling water pollution.

^^vFkok OR^^

ok; in"k.k dk ekuo LokLF; ij D;k iHkko iMrk g\ okgfud ok; in"k.k dk fu;f=r dju d mik; fyf[k, A ¼3$3½

What are effects of air pollution on human health ? Write the measures of controlling vehicle pollution.

&&00&&

^^lEiy mRrj**

[k.M & ^v*

mRrj &

(i) c & 2002

(ii) v & 11

(iii) l & D_2O

(iv) n & ihfy;k

(v) v & Hkdi

^[k.M c*

mRrj &

(i) & ty in"k.k

(ii) & ifjokj fu;ktu

(iii) & 80 ifr'kr

(iv) & dLrjh ex

(v) & 64

mRrj 2& rkykcd dk iDdk blfy, cukuk pkfg, ftl vf/kd ty dk lp; gk ld A

mRrj 3& cxk vkfnokfl;k d fy, lky o{k iT;uh; g A

mRrj 4& i;koj.k e vokNuh; inkFkk dk leko'k i;koj.k in"k.k dgykrk g A

mRrj 5& ykg v;Ld l fudyk eyok Hkfe dh mojk 'kfDr dk de dj nrk g A

mRrj 6& feBkb;k e jxk d i;kx l dlj jkx dh lHkkouk gkrh g A

mRrj 7& vk|kfxd in"k.k dk fu;f=r dju d rhu mik; fuEufyf[kr g &

1- m|kx e mPp dkfV d ,o de in"k.kdkjh dPp eky dk mi;kx gkuk pkfg,A

2- m|kxk e ngu iØe dk mi;kx dju okyh bdkb;k e i;kIr Åph fupefu;k dh lefpr 0;oLFkk djuh pkfg, A

3- Qfcd fQYVj ;k gkb ,uth LØcj midj.kk dk i;kx dj /k, l gku oky n"iHkkok l cpk tk ldrk g A

¼;k vU; fu;=.k mik; fy[ku ij vd fn;k tk; A½

mRrj 8& ijEijkxr Åtk L=krk dk lj{k.k fuEufyf[kr dkj.kk l vko';d g &

1- i;koj.k in"k.k dh leL;k l cpko gr A

2- fodkl dk;Øek ,o [kktk dk tkjh j[ku gr A

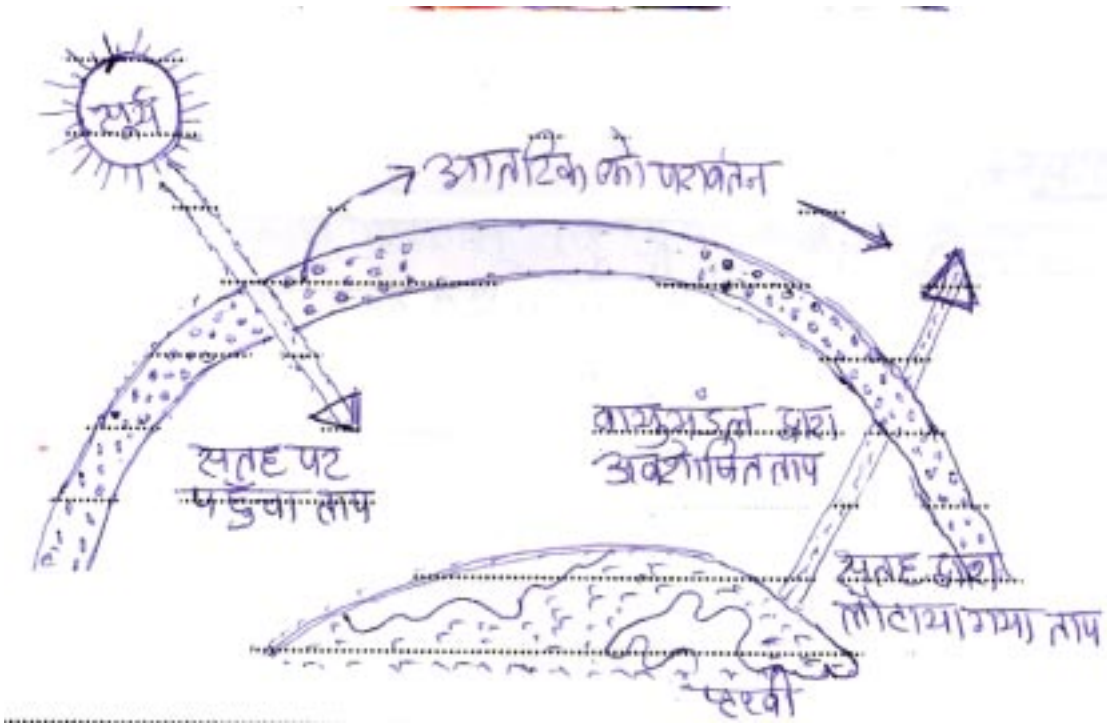
3- ekuo fouk'k dk jkdu gr A

¼;k vU; lj{k.k mik; ij vd fn;k tk; A½

mRrj 9& ou lj{k.k vf/kfu;e 1980 jk"V d fodkl d fy, ;fn dkb xj okfudh dk; djokrk g ¼t l lMd fuek.k] ck/k fuek.k½ rk dN 'krk d vrxr ou {k= d LFkkukUrj.k d fy, ljdkj d }kjk vuefr yu dk iko/kku djrk g A

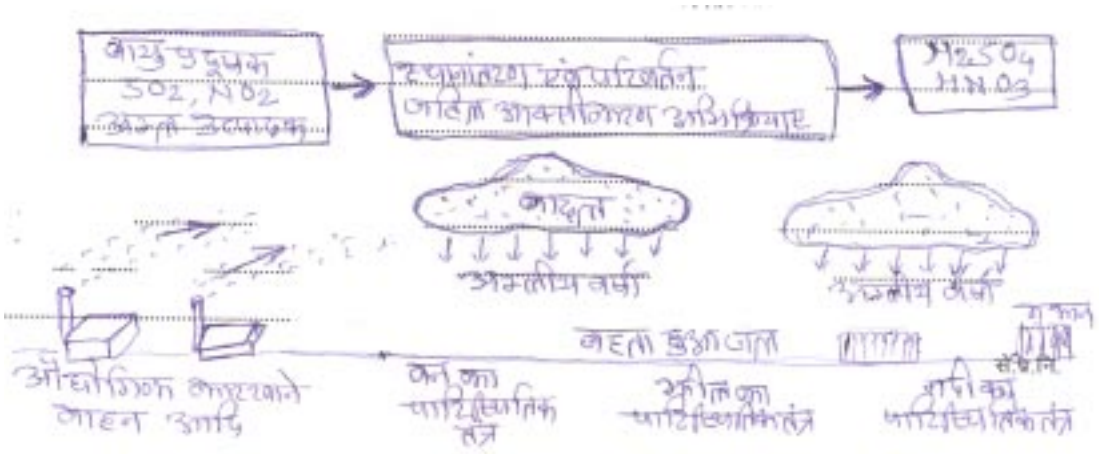
mRrj 10& 'kDdj e feyku oky inkFk d :i e dky pu dh Hkl h] mi;kx dh tk; iRrh ,o diM /kku d lkM dk mi;kx gkrk g A ;k vU; feykoVh inkFk d uke fyf[ku ij vd fn; tk; A

mRrj 11& gfjr xg iHkko dk vkj[k



^^vFkok**

vEyh; o"kk & ukekfdr vkj[k



mRrj 12& lL;koru enk lj{k.k dk ,d mik; g] ;fn enk e iR;d o"k ,d gh idkj dh Qly mxkb tk, rk enk dh mojk 'kfDr lekIr gku yxrh g] vr% enk dh mojk 'kfDr dk cuk, j[ku d fy, iR;d o"k Qlyk e ifjoru fd;k tk, rk bl lL;koru ;k Qly pØ dgr g A

mnkgj.k& ;fn enk e ,d ckj xg] dikl] eDdk] vky vkfn dh Qly cku d ckn nljh Qly ngyu dy d ik/kk dh gkuh pkfg,] bu ik/kk dh tMk e xkB ikb tkrh g] ftue mifLFkr thok.k okrkoj.k dh ukbVk tu dk Hkfe e fLFkj dj nrk g] ft ll mojk 'kfDr c< tkrh g A

^^vFkok**

d.Vj Ñf"k& bl idkj dh Ñf"k igkMk dh <ykuk ij vf/kd mi;kxh g] [krk e ;k <yku oky {k=k e [kkp rFkk dVd cuk, tkr g] ft ll ikuh ble :d tkrk g A

ykHk& ¼1½ ;g enk lj{k.k dh ,d tfod fof/k g A

¼2½ ble enk dk vijnu ugh gkrk g A

mRrj 13& NRrhlx< ikÑfrd nf"V l [kfut link l oHko'kkyh jgk g A ;g ikphure bfrgkl o lLÑfr dk lk{kh jgk g] oreku e N-x- jkT; }kjk ouk dk ljf{kr dju rFkkmld fpfdRlh; egRo dk tuekul rd igpku d fy, egRoi.k dk; fd, tk jg g A ft ll bl vc ykx gcy LVV d uke l tkuu yx g A

^^vFkok**

NRrhlx< jkT; }kjk ouk d lj{k.k ,o fodkl gr ?kkf"kr ou uhfr fuEukulkj g &

¼1½ ou {k=k e Ñf"k okfudh dk;k dk c<kok fn;k tk,xk A

¼2½ jkT; d ou xkek dk jktLo xkek e cnyk tk,xk A

¼3½ jkT; dk gcy LVV cuku dh vo/kkj.kk dk er :i nu d fy, y?k oukit vkj vk"k/kh; ik/kk dk ljf{kr ,o lof/kr fd;k tk,xk A

mRrj 14& ,d LFkku ij ck/k cuu d dkj.k Mc l iHkkfor {k= d ykxk d vU;= foLFkkiu dk i;koj.k ,o ykxk ij fofHkUu idkjk l iHkko iMrk g A tl&

¼1½ cfLr;k dk uohu {k=k e clku l mudh lkLÑfrd fojkl r u"V gk tkrh g A

¼2½ ifj;ktuk LFky dh enk] ouLifr rFkk vU; thok dh {kfr gkrh g A

¼3½ foLFkkfir ifjokjk dk tgk clk;k tkrk g] ogk d i;koj.k ij foijhr iHkko iMrk g A

¼4½ u, LFkku ij clu d dkj.k jktxkj dh leL;k gkrh g A

^^vFkok**

ekuoÑr xfrfof/k;k d dkj.k ykxk dk iuLFkkiu o iuokslu fuEu dkj.kk l gk ldrk g &

¼1½ ;) dky d le; lhekorh xkok l ykxk dk vU;= crk;k tkrk g A

¼2½ vk|kfxdhdj.k d le; ykxk dk nlj LFkkuk ij clk;k tkrk g A

¼3½ jyekx] jktekx cukr le; vf/kxfgr Hkfe e cl ykxk dk vU;= clk;k tkrk g A

¼4½ ck/kk d fuek.k {k= e ,o mld Mc l lHkkfor iHkkfor {k= d ykxk dk vU;= clk;k tkrk g A

mRrj 15& **vPN i;koj.k gr fØ;kdyki&** i;koj.k dk le>u] mld lryu ml tu mi;kxh cuku gr nf"Vdk.k ge cnyuk gkxk A

ie[k fØ;kdyki&

¼1½ iÑfr e ekuoÑr i;koj.k dh fLFkfr tk ekuo d nk"ki.k ÑR;k d ckn jg xb g ml lj{k.k inku fd;k tk, A

½2½ in"k.k jkdu dkuuk dk l[rh l ikyu djkuk pkfg, A

½3½ i;koj.k f'k{kk dh vko';drk dk ykxk dk le>k;k tk, A

½4½ i;koj.k vkpkj lfgrk dk fodkl A

½5½ i;koj.k d {k= e if'kf{kr 0;fDr;k dh vko';drk ij /;ku A

^^vFkok**

i;koj.k tu tkxfr dk;Øe

i;koj.k d ifr tkxfr d fy, vud dk;Øe pyk, tk jg g tk fuEufyf[kr g &

½1½ ikfjfLFkfrdh fodkl f'kfoj

½2½ 0;k[;ku J[kyk

½3½ if'k{k.k dk;Øe

½4½ fQYe in'ku

½5½ in'kfu;k bR;kfn

lk/kkj.k tu ekul dk i;koj.k dh fofHkUu leL;kvk l voxr djk mul gk ldu oky n"ifj.kke dh tkudkjh nh tkrh g] bu dk;Øek d lpkyu e 'kklu d lkFk Lo; loh lLFkkvk dh Hkh egRoi.k Hkfedk gku yxh g A

mRrj 16& **lf{kIr fVli.kh&**

½1½ dPN ouLifr;k&

dPN ouLifr;k fo'o d Å".k rFkk mik".k dfVc/kh; {k=k dh {kkj lg okfudh ikfjfLFkrdh 0;oLFkk g ; cMh rknkn e ik/kk vkj tho tUrvk dh ,lh itkfr;k d lxg.k {k= g] tk ,d yc fodkIØe e vkil e lc/k jg g] vkj ftue {kkj lgu dju dh mYy[kuh; {kerk g] ; lenh rVj[kk dk fLFkj djrh g ,o len }kjk gk jg dVko l rVc/k dh j{kk djrh g A dPN ouLifr;k lep Hkkjrh; len rV ij ifjjf{kr egkuk Tokjh;] rkfM;k] i';ty] {kkjh; nynyk vkj nynyh enkuk e ikb tkrh g] ; /kkj.kh; eRL; {k= dk lo/ku Hkh djrh g ou vkj i;koj.k e=ky; 1987 l dPN ouLifr lj{k.k dk; py jgk g A

½2½ ioky fHkfÙk;k&

ioky fHkfÙk;k dk vxth e dkjy dgk tkrk g] ftl ,d fo'k"k idkj d

tyh; ik.kh d fy, i;Dr fd;k tkrk g A len d vnj ,d NkVk lk ik.kh pu d [kky l fpidk jgrk g] og ogh ij c<rk] budh l[;k e yxkrkj of) l len d Hkhrj pu dk ,d pVVku bl ik.kh dh enn l mHkj dj vkrk g] pu l fufer bl ik.kh vo'k"k dk ioky fHkfÙk dgr g] Hkkjr e ioky fHkfÙk;k d ie[k LFky g &

¼1½ vMeku ,o fudkckj }hi leg

¼2½ y{k}hi

¼3½ eUukj dh [kkMh

¼4½ dPN dh [kkMh

^^vFkok**

¼1½ vkn Hkfe%&

n'k e vkn Hkfe BM vkj 'k"d bykd l ydj e/; Hkkjr e dfVc/kh; ekuluh bykd vkj nf{k.k d ueh oky bykd e Qyh g A ;g ck< fu;=.k e iHkkoh g] vkj ryNV de djrh g A ;g {k= 'khrdky d fy, if{k;k vkj tho tUrvk d fy, 'kj.kkxkg g] fofHkUu idkj dh eNfy;k vkj tUrvk d ituu d fy, Hkh ;g mRre {k= g] lenh rQku vkj v/kM d iHkko dk lgu dju dh mPp {kerk bue gkrh g] ;g lenh rV j[kk dk fLFkj djrh g A

¼2½ okVj 'kM i.kkyh dk egRo&

okVj 'kM ic/k e[; :i l oukjki.k ,o okVj 'kM ij vk/kkfjr Ñf"k Hkfe d fodkl d fy, vPN cht mojd cgrj Ñf"k Hkfe] midj.k ,o cgrj Ñf"k foKku fof/k;k dk i;kx fd;k tkrk g A 0;kid okVj 'kM fodkl dk;Øe Ñf"k fodkl ,o mRiknu c<ku d fy, vf/kd iHkkoh i)fr g A

mRrj 17& lenh in"k.k& lenh in"k.k d dkj.k lenh tho&tUr u"V gk jg g A lenh lEink dh gkfu gk jgh g A

lenh in"k.k d iHkko

(i) ufn;k d lkFk vku oky in"kd l lenh thok dk u"V gkuk A

(ii) nf"kr eNyh dk [kku l ekuo chekj gk jgk g A

(iii) len e n?kVuko'k iVkfy;e inkFkk d fjlko l ekuo] eNfy;k ij iHkkoA

(iv) lenh xgjkb e mifLFkr jlk;uk dk mi;kx vk"k/kh fuek.k e gk jgk g] in"k.k l bu inkFkk dh x.koRrk iHkkfor gkrh g A

(v) lenh in"k.k l ex dh mit de gk jgh g & xgjh vkfFkd {kfr A

(vi) ijek.k ijh{k.k l lenh tho jfM;k/kferk l iHkkfor gk x, g] tk dlj mRifRr dk dkj.k cu x, g A

^^vFkok**

enk in"k.k & enk foHkUu idkj d [kfut rRok] dkcfud inkFk] xlk ,o ty vkfn rRok dk ,d fuf'pr vuikr e feJ.k gkrk g A fdlh dkj.ko'k ljpuk ,o x.koRrk lekIr gk tkrh g] bl enk in"k.k dgr g A

enk in"k.k d dkj.k &

¼1½ ou fouk'k

¼2½ enk e jlk;uk dk mi;kx

¼3½ vk|kfxd vif'k"V

¼4½ uxjh; vif'k"V

mRrj 18& **ou ic/ku gr ljdkjh i;kl&**

ouk d lj{k.k lEcU/kh uhfrxr fn'kk&fun'kk e ouk ij vkfJr 0;fDr;k dh b/ku] pkjk] xj bekjrh] ou mRiknu vkj bekjrh ydMh dh vko';drk ekx dk lokf/kd egRo fn;k x;k g A

l;Dr ou icU/ku dk;Øe d ie[k fl)kr fuEufyf[kr g &

¼1½ gkl gkr g, cM ou {k= dk LFkk;h lenk; dh Hkkxhnkjh l iuh gjk&Hkjk cuk;k tk ldrk g A

¼2½ LFkkuh; lenk; dh ou lj{k.k vkj ou dh mRikndrk c<ku e Hkkx yuk ckgj d 0;fDr;k dk ;ktuk l vyx j[kk tk; A

Hkkjr e l;Dr ou icU/ku i.kkyh d vrxr 15000 xkeou lfefr;k yxHkx 20 yk[k gDV;j {k= e u"V gk jg ouk dk icU/k dj jgh g A

^^vFkok**

Hkfe D;k g & Hkfe iFoh dk og Hkkx g] ftl ij ge fuokl djr g] i'k] i{kh] vkj lHkh tho tUr jgr g] ftl ij iM ik/k o ouLifr mxr g A iFoh

d vnj vud ikÑfrd lk/ku Hkj g A ;g ijh iFoh dk 3@10 Hkkx g] vkj bl LFkye.My dgr g A

Hkfe d u"V ;k nf"kr gku d dkj.k &

¼1½ Hkfe {kj.k& rt o"kk] vk/kh ,o rQku l feVVh dh Åijh lrg dN gh fnuk e cg tkrh g] tcfd bld cuu e cgr vf/kd le; yxrk g] vr% feVVh dh j{kk djuk vko';d g] Hkfe {kj.k ty ,o ok; nkuk l gkrk g A

¼2½ Hkfe in"k.k& Hkfe d Hkkfrd jklk;fud ;k tfod x.kk e ,lk dkb Hkh vokf{kr ifjoru ftldk iHkko eu"; rFkk vU; thok ij iM vFkok Hkfe dh ikÑfrd x.koRrk rFkk mi;kfxrk u"V gk Hkfe in"k.k dgykrk g A

mRrj 19& **ty in"k.k dk tho tUrvk ij iMu okyk iHkko&**

ty d fuf'pr Hkkfrd] jklk;fud ,o tfod x.k gkr g] tc bu x.kk e fdlh vU; dkj.kk l ifjoru vk tkrk g rFkk bld PH eku e ifjoru gk tkrk gA bl n'kk e ;g 'k) ty inf"kr ty dgykrk g A inf"kr ty dk iÑfr d vU; inkFkk ij udkjkRed iHkko iMu yxrk g A iÑfr e fo|eku ekuo ftld fy, ty gh thou g A bl inf"kr ty d mi;kx e gtk] VkbQkbM] Mk;fj;k] ifpl ,o ihfy;k jkxk l iHkkfor gk tkrk g A dHkh&dHkh rk nf"kr ty d lou l vud idkj d iV lc/kh fodkj Hkh mRiUu gk tkr g A

okgfud in"k.k dk fu;f=r dju d mik;

¼1½ Mh ty jy d btuk d LFkku ij fo|r pfyr jy btuk dk mi;kx fd;k tkuk pkfg, A

¼2½ cVjh pfyr okguk dk vf/kdkf/kd mi;kx fd;k tkuk pkfg, A

¼3½ lhlk&jfgr iVky rFkk Mh ty e l;kth inkFkk dk feykdj okguk e i;kx dju l ok; in"k.k dk de fd;k tk ldrk g A

¼4½ vR;f/kd ok; in"k.kdkjh okguk ij ikcnh rFkk vU; okguk l mRiUu /k, dk ekudhdj.k l vf/kd Lrj gku ij dkuuh dk;okgh dk iko/kku gkuk pkfg, A

¼5½ okgu fuek.k dju okyh difu;k tk in"k.k inkFk de ek=k e mRlftr gk A

^^vFkok**

ok; in"k.k dk ekuo LokLF; ij iMu okyk iHkko

ok; in"k.k l eu"; d LokLF; ij cgr cjk iHkko iMrk g A bll 'olu&lc/kh cgr l jkx tl& QQMk dk dlj] vLFkek vkj QQMk l lEcfU/kr nlj jkx gk tkr g A ok; e foifjr cgr lh /kkrvk d d.k vud l jkx mRiUu djr g A lhl d d.k fo'k"k : i l ukMh e.My l jkx mRiUu djr g A ukbVk tu vkDlkbM l QQMk gn; vkj vk[kk d jkx] [kklh o lhu e nn mRiUu djrh g A

okrkoj.k e dkcu ekukvkDlkbM dh mifLFkr gku l eu"; d jDr e ghekXykfcu d v.k vkDlhtu dh ryuk e 200 xuk vf/kd rth l Co_2 d v.kvk l tMu yxr g] ftll 'olu e ?kVu egll gku yxrh g A vf/kd le; rd bl ifjfLFkfr e jgu ij ne ?kVu l eR; gk tkrh g A

jklk;fud xl l;U=k rFkk ukfHkdh; ifj;ktukvk l ok;e.My e fuLrkfjr gku oky fofHkUu fo"ky jklk;fud inkFk viuk nh?kdkyhu iHkko eu";k d LokLF; ij NkMr g A mnkgj.k Lo:i 1984 dk Hkkjr e gb Hkkiky xl =klnh e feFkkby vklklkbuV d fjlko d dkj.k vud ykx ekj x; Fk] tcfd bl xl d iHkko d dkj.k vud xHkorh efgykvk d xHkLFk f'k'k ej g, ink g, Fk A blh idkj fgjkf'kek o ukxklkdh ij f}rh; fo'o ;) e fxjk; x; v.k cek fd fofdj.kk d iHkko l vkt Hkh ogk cgr l f'k'k vix rFkk ekufld : i l fof{kIr ink gkr g A

&&00&&

Set - C

gkbLdy lVhfQdV ijh{kk

High School Certificate Examination

lEiy&i'u i=

SAMPLE PAPER

fo"k; %& (Subject) - i;koj.k **le; 3 ?k.Vk (Time- 3 Hrs)**

d{kk %& (Class) - nloh **i.kkd 75 (M.M.)**

(Instruction) & ¼fun'k½

1- lHkh i'u gy djuk vfuok;g A

Attempt all the Question

2- i'u Øekd 01 e 10 vd fu/kkfjr g A nk mi[k.M g A [k.M ^^v** e 05 cgfodYih; i'u rFkk [k.M ^^c** e 05 fjDr LFkkuk dh ifr vFkok mfpr lc/k tkfM, A iR;d i'u d fy, 1 vd vkcfVr g A

Q. No. 01 Carries 10 Marks. There are two sub-section, Section A is Multiple choice carries 05 marks and section B is fill in the blanks or match the column carries 05 marks.

3- i'u Øekd 02 l i'u Øekd 06 rd vfr y?kmRrjh; i'u g A iR;d i'u ij 02 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 30 'kCn A

Q. No. 2 to 06 are very short answer type question & it carries 02 marks each. Word limit is maximum 30.

4- i'u Øekd 07 l i'u Øekd 10 rd y?kmRrjh; i'u g A iR;d i'u ij 03 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 50 'kCn A

Q. No. 07 to 10 are short answer type question & it carries 03 marks each. Word limit is maximum 50.

5- i'u Øekd 11 l i'u Øekd 14 rd y?kmRrjh; i'u g A iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 04 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 75 'kCn A

Q. No. 11 to 14 are short answer type question & it carries 04 marks each. Each question has internal choice. Word limit is maximum 75.

6- i'u Øekd 15 l i'u Øekd 17 rd nh?kmRrjh; i'u g A iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 05 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 100 'kCn A

Q. No. 15 to 17 are long answer type question & it carries 05 marks each. Each question has internal choice. Word limit is maximum 100.

7- i'u Øekd 18 vkj 19 rd nh?kmRrjh; i'u g A iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 06 vd vkcfVr g A mRrj dh vf/kdre 'kCn lhek 150 'kCn A

Q. No. 18 to 19 are long answer type question & it carries 06 marks each. Each question has internal choice. Word limit is maximum 150.

i'u 1& **[k.M ^v* @ Section (A)**

lgh fodYi pfu,&

Choos the correct alternative :-

(i) 'khrdky e if{k;k vkj tho tUrvk dk 'kj.kxkg g & ¼1½

v- dPN ouLifr;k c- vkn Hkfe

l- ioky fHkfRr;k n- bue l dkb ugh

Write the winter season birds and other living organisms take shelter in -

(a) Mangrave Vegetation (b) Dry land

(c) Coral reefs (d) None of the above

(ii) Hkkjr e to e.My ikj{k.k dh dy l[;k g & ¼1½

v- 12 c- 13

l- 14 n- 15

The number of biosphere resenes in India is -

(a) 12 (b) 13

(c) 14 (d) 15

(iii) jfM;k/keh inkFk d fo[k.Mu l fuEu ikIr ugh gkrk & ¼1½

v- α & fdj.k c- β & fdj.k

l- γ & fdj.k n- θ & fdj.k

Due to the breaking of a radio active material the following is not given out

(a) α rays (b) β rays

(c) γ rays (d) θ rays

(iv) /kU/k ,o dkgj dk Nk;k jguk gkrk g & ¼1½

v- ty in"k.k d dkj.k c- ok; in"k.k d dkj.k

l- jfM;k,fDVo in"k.k d dkj.k n- bue l dkb ugh A

The occurence of log and mist is due to

(a) Water pollution (b) Air pollution

(c) Radio active pollution (d) None of the above

(v) ok;e.Myh; idki ugh g & ¼1½

v- HkdEi c- ck<

l- l[kk n- pØokr

It is not an atmospharic disaster-

(a) Earthquake (b) Floods

(c) Drought (d) Cyclone

[k.M ^c* @ Section (B)

fjDr LFkku dh ifr dhft,&

Fill in the blanks-

(i) dy dkj[kkuk e ---------- ;U= yxkuk pkfg, A ¼1½

..... equipment mast be used in factories.

(ii) Hkkjr e ifro"k ---------- d cjkcj tul[;k c<rh g A ¼1½

Every year India has increase in population by a size of .....

(iii) gfjr xg iHkko e N_2O dk ;kxnku ---------- g A ¼1½

The contribution of N_2O in the green house effect is .....

(iv) fpidk vkUnkyu dh 'k:vkr lu ---------- b- e gb A ¼1½

Chipko movement was started in the year .....

(v) ikfjfLFkfrdh fodkl f'kfoj dk mnn'; ---------- dk i;koj.k l/kkj e lfØ; lg;kx yuk g A ¼1½

The aim of Eco-development camp is to make active participation of ..... in environment improvement.

i'u 2& Ñ"kd dk Qly e fdru ikuh dh vko';drk g] bldh tkudkjh D;k gkuh pkfg, A ¼2½

Why should farmers have a knowladge of how much water is required for the Crop ?

i'u 3& jrutkr ik/k l NRrhlx< e fdl inkFk dk fuek.k fd;k tk jgk g \ ¼2½

What is produced from Jatropha in Chhattisgarh ?

i'u 4& rkcs v;Ld mR[kuu l fudyk eyok Hkfe ij D;k iHkko Mkyrk g \ ¼2½

What is the effect of the waste obtained during extraction of copper on soil ?

i'u 5& /ofu in"k.k D;k g \ ¼2½

What is noise pollution ?

i'u 6& [kk| ry e ifrcfU/kr jx dh feykoV l fdl jkx d mRiUu gku dh lHkkouk jgrh g \ ¼2½

Which disease can be caused due to the mixing of banned colours in edible Oil?

i'u 7& okgfud in"k.k dk fu;f=r dju d dkb rhu mik; fyf[k, A ¼1$1$1½

Write any three measures of controllong of vehicular pollution ?

i'u 8& gkbMkt tu d b/ku d :i e i;kx dk c<kok nu d fy, D;k i;kl fd; tk jg g \ ¼3½

What effort are being made to enchance the use of hydrogen as fuel ?

i'u 9& ldVxLr tho itkfr;k d fy, oU; tho ¼lj{k.k½ vf/kfu;e 1972 dk D;k egRo g \ ¼3½

What is the importance of wild life conservation act 1972 for the endangered species ?

i'u 10& fdUgh rhu elkyk d uke ,o mue feykoV fd; tku oky inkFkk d uke fyf[k, A ¼3½

Write the names of any three spices and the name of substances mixed in it.

i'u 11& NRrhlx< dk gcy LVV jkT; D;k ?kkf"kr fd;k x;k \ ¼4½

Why is Chhattisgarh declared as harbal State ?

^^vFkok OR

NRrhlx< jkT; }kjk ?kkf"kr ou uhfr D;k g \ ¼4½

What is the forest policy declared by Chhattisgarh state ?

i'u 12& ,d LFkku ij ck/k cuu d dkj.k Mc l iHkkfor {k= d ykxk d vU;= foLFkkiu ,o i;koj.k ij iMu oky pkj dkj.kk dk fyf[k, A ¼4½

Write any four effects, of the displacement of the people of submerged area during the dam construction on environment and life.

^^vFkok OR

ekuoÑr xfrfof/k;k d dkj.k ykxk dk iuLFkkiu o iuoklu d pkj dkj.kk dk fyf[k, A ¼4½

Write any four causes of rehabilitation and re estabilishment due to human induced activities.

i'u 13& gfjr xg iHkko dk ukekfdr vkj[k cukb, A ½2$2½

Draw a labelled ray diagram of green house effect.

^vFkok OR

vEyh; o"kk dk ukekfdr vkj[k cukb, A ½2$2½

Draw a labelled ray diagram of acid rain fall.

i'u 14& lL;koru D;k g \ bll enk dk D;k ykHk g \ ½2½

What is crop ratation ? How is it beneficial for soil ?

^vFkok OR

d.Vj Ñf"k l D;k le>r g \ bll enk dk D;k ykHk g \ ½2$2½

What do you understand by contour cultivation ? How is it beneficial for soil?

i'u 15& lenh in"k.k D;k g \ lenk d 0;kid :i l inf"kr dju oky dkjdk dk o.ku dhft, A ¼1$4½

What is marine pollution ? Describe the various factors that pollute the sea widely.

^vFkok OR

enk in"k.k D;k g \ enk in"k.k d ekuoh; dkj.kk dk o.ku dhft, A ¼1$4½

What is soil pollution ? Discribe the anthropogenic causes of soil pollution.

i'u 16& vPN i;koj.k gr dku&dku l fØ;kdyki dju pkfg, \ lf{kIr e o.ku dhft, A ¼5½

What are the healthy activities that one should do for healthy environment ? Describe in brief.

^vFkok OR

i;koj.k tutkxfr dk;Øe dku&dku l g \ iR;d dk o.ku dhft, A ½2$3½

What are the programmes of public awareness for environment ? Describe each in brief.

i'u 17& fuEu ij lf{kIr VhIi.kh fyf[k, & (2½+2½)

¼1½ dPN ouLifr;k ½2½ ickyfHkfRr;k

Write short notes on :-

(1) Mangrove Vegetation (2) Coral Reefs.

^vFkok OR

fuEu ij lf{kIr fVIi.kh fyf[k, & (2½+2½)

¼1½ vkn Hkfe ¼2½ okVj'kM icU/k dk egRo

Write short notes on :-

(1) Dry land (2) Water shed management.

i'u 18& ou icU/k gr D;k&D;k ljdkjh i;kl fd; tk jg g \ iR;d dk lf{kIr o.ku dhft , A ¼6½

What are the efforts made by the government for forest management ? Describe each effort in brief.

^vFkok OR

Hkfe D;k g \ Hkfe d u"V vFkok nf"kr gku d dkj.kk dk fyf[k, A bld cpko d D;k&D;k mik; g \ (1+2½+2½)

What is land ? write the reasons of land deterioration and pollution. What are the means of its protection ?

i'u 19& ty in"k.k dk tho&tUrvk ij D;k iHkko iMrk g \ ty in"k.k fu;=.k d mik; fyf[k, A ¼2$4½

What are the effect of water pollution on living organisms ? Write the measures of controlling water pollution.

^vFkok OR

ok; in"k.k dk ekuo LokLF; ij D;k iHkko iMrk g \ okgfud ok; in"k.k dk fu;f=r dju d mik; fyf[k, A ¼3$3½

What are effects of air pollution on human health ? Write the measures of controlling vehicle pollution.

&&00&&

^lEiy mRrj**

[k.M & ^v*

mRrj &

(i) c & vkn Hkfe

(ii) l & 14

(iii) n & θ & fdj.k

(iv) c & ok; in"k.k d dkj.k

(v) v & Hkdi

^[k.M c*

mRrj &

(i) & in"kd fu;=d

(ii) & vkLVfy;k n'k

(iii) & 6 ifr'kr

(iv) & 1973

(v) & ;ok ox

mRrj 2& Ñ"kd dk Qly e fdru ikuh dh vko';drk g ;g tkudkjh gkuk blfy, vko';d g ftl l og ikuh dk n:i;kx jkd ld A

mRrj 3& jrutkr ik/k l NRrhlx< e ouLifr ry l ck;k Mhty dk fuek.k fd;k tk jgk g A

mRrj 4& rkck v;Ld mR[kuu l fudyk eyck o"kkdky e nj&nj rd Qydj lid e vk;h enk dk inf"kr dj mldh mojk 'kfDr de dj nrk g A

mRrj 5& og vokfNr vokt ftl l dkuk e nn o d"V gk] /ofu in"k.k dgykrk g A ;k vU; ij Hkh vd fn;k tk;xk A

mRrj 6& [kk| ry e ifrcf/kr jx dh feykoV l dlj jkx mRiUu gku dh lHkkouk gkrh g A

mRrj 7& okgfud in"k.k fu;=.k d mik; fuEufyf[kr g &

¼1½ cVjh pfyr okguk dk vf/kdkf/kd mi;kx A

¼2½ fo|r pfyr jy btuk dk mi;kx A

¼3½ iVkfy;e inkFkk e l;kth inkFkk dk feykdj i;kx A

;k vU; fy[ku ij vd fn;k tk;xk A

mRrj 8& gkbMktu d b/ku d :i e c<kok nu d fy, ekuuh; mPpre U;k;ky; dh igy ij CNG l okguk dk pyku dk vfuok; fd;k x;k g A

mRrj 9& ldVxLr tho itkfr;k d fy, oU; tho ¼lj{k.k½ vf/kfu;e 1972 d vrxr Ñf"k m|kx] uxjhdj.k ,o vk|kxhdj.k l oU; tho vkokl dk ljf{kr dju dk iko/kku g A

mRrj 10& elky dk uke feykoVh inkFk

¼1½ filh /kfu;k & LVkp] yMh dk cjknk

¼2½ filh fep & jx fd;k gvk cjknk] bV dk pjk

¼3½ dkyh fep & iihr d l[k cht

mRrj 11& NRrhlx< ikÑfrd nf"V l [kfut link l oHko'kkyh jgk g A ;g ikphure bfrgkl o lLÑfr dk lk{kh jgk g] oreku e N-x- jkT; }kjk ouk dk ljf{kr dju rFkkmld fpfdRlh; egRo dk tuekul rd igpku d fy, egRoi.k dk; fd, tk jg g A ftll bl vc ykx gcy LVV d uke l tkuu yx g A

^^vFkok**

NRrhlx< jkT; }kjk ouk d lj{k.k ,o fodkl gr ?kkf"kr ou uhfr fuEukulkj g &

¼1½ ou {k=k e Ñf"k okfudh dk;k dk c<kok fn;k tk,xk A

¼2½ jkT; d ou xkek dk jktLo xkek e cnyk tk,xk A

¼3½ jkT; dk gcy LVV cuku dh vo/kkj.kk dk er :i nu d fy, y?k oukit vkj vk"k/kh; ik/kk dk ljf{kr ,o lof/kr fd;k tk,xk A

mRrj 12& ,d LFkku ij ck/k cuu d dkj.k Mc l iHkkfor {k= d ykxk d vU;= foLFkkiu dk i;koj.k ,o ykxk ij fofHkUu idkjk l iHkko iMrk g A tl&

¼1½ cfLr;k dk uohu {k=k e clku l mudh lkLÑfrd fojkl r u"V gk tkrh g A

¼2½ ifj;ktuk LFky dh enk] ouLifr rFkk vU; thok dh {kfr gkrh g A

¼3½ foLFkkfir ifjokjk dk tgk clk;k tkrk g] ogk d i;koj.k ij foijhr iHkko iMrk g A

¼4½ u, LFkku ij clu d dkj.k jktxkj dh leL;k gkrh g A

^^vFkok**

ekuoÑr xfrfof/k;k d dkj.k ykxk dk iuLFkkiu o iuoklu fuEu dkj.kk l gk ldrk g &

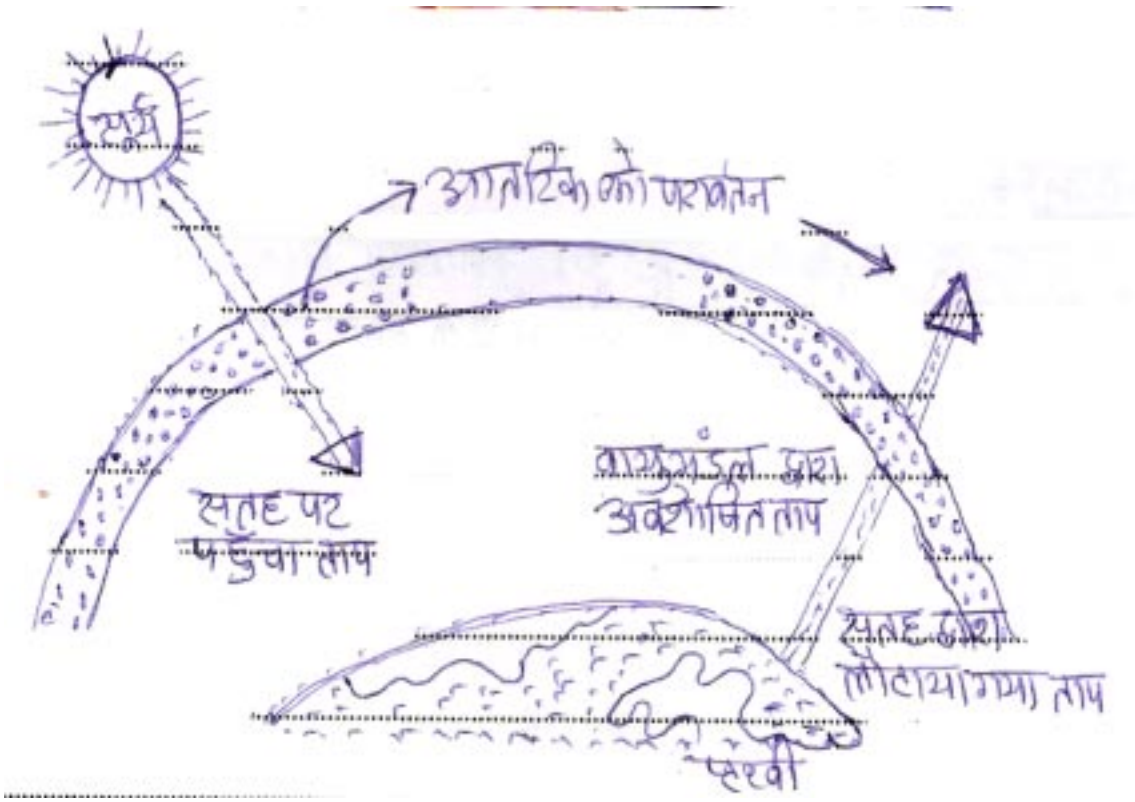
¼1½ ;) dky d le; lhekorh xkok l ykxk dk vU;= crk;k tkrk g A

¼2½ vk|kfxdhdj.k d le; ykxk dk nlj LFkkuk ij clk;k tkrk g A

¼3½ jyekx] jktekx cukr le; vf/kxfgr Hkfe e cl ykxk dk vU;= clk;k tkrk g A

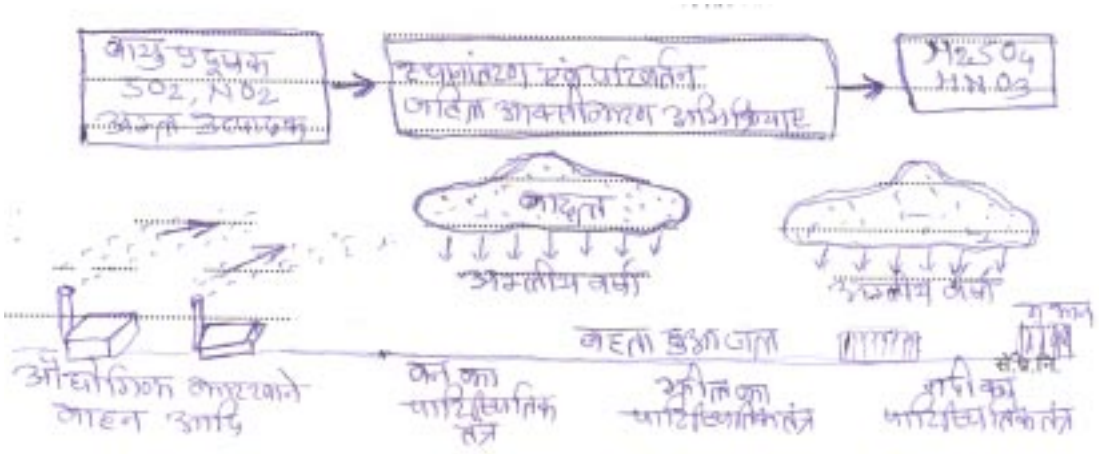
¼4½ ck/kk d fuek.k {k= e ,o mld Mc l lHkkfor iHkkfor {k= d ykxk dk vU;= clk;k tkrk g A

mRrj 13& **gfjr xg iHkko dk vkj[k**



^^vFkok**

vEyh; o"kk & ukekfdr vkj[k



mRrj 14& lL;koru enk lj{k.k dk ,d mik; g] ;fn enk e iR;d o"k ,d gh idkj dh Qly mxkb tk, rk enk dh mojk 'kfDr lekIr gku yxrh g] vr% enk dh mojk 'kfDr dk cuk, j[ku d fy, iR;d o"k Qlyk e ifjoru fd;k tk, rk bl lL;koru ;k Qly pØ dgr g A

mnkgj.k& ;fn enk e ,d ckj xg] dikl] eDdk] vky vkfn dh Qly cku d ckn nljh Qly ngyu dy d ik/kk dh gkuh pkfg,] bu ik/kk dh tMk e xkB ikb tkrh g] ftue mifLFkr thok.k okrkoj.k dh ukbVk tu dk Hkfe e fLFkj dj nrk g] ftl mojk 'kfDr c< tkrh g A

^^vFkok**

d.Vj Ñf"k& bl idkj dh Ñf"k igkMk dh <ykuk ij vf/kd mi;kxh g] [krk e ;k <yku oky {k=k e [kkp rFkk dVd cuk, tkr g] ftl ikuh ble :d tkrk g A

ykHk& ¼1½ ;g enk lj{k.k dh ,d tfod fof/k g A

¼2½ ble enk dk vijnu ugh gkrk g A

mRrj 15& **lenh in"k.k&** lenh in"k.k d dkj.k lenh tho&tUr u"V gk jg g A lenh lEink dh gkfu gk jgh g A

lenh in"k.k d iHkko

(i) ufn;k d lkFk vku oky in"kd l lenh thok dk u"V gkuk A

(ii) nf"kr eNyh dk [kku l ekuo chekj gk jgk g A

(iii) len e n?kVuko'k iVkfy;e inkFkk d fjlko l ekuo] eNfy;k ij iHkkoA

(iv) lenh xgjkb e mifLFkr jlk;uk dk mi;kx vk"k/kh fuek.k e gk jgk g] in"k.k l bu inkFkk dh x.koRrk iHkkfor gkrh g A

(v) lenh in"k.k l ex dh mit de gk jgh g & xgjh vkfFkd {kfr A

(vi) ijek.k ijh{k.k l lenh tho jfM;k/kferk l iHkkfor gk x, g] tk dlj mRifRr dk dkj.k cu x, g A

^^vFkok**

enk in"k.k & enk foHkUu idkj d [kfut rRok] dkcfud inkFk] xlk ,o ty vkfn rRok dk ,d fuf'pr vuikr e feJ.k gkrk g A fdlh dkj.ko'k ljpuk ,o x.koRrk lekIr gk tkrh g] bl enk in"k.k dgr g A

enk in"k.k d dkj.k &

¼1½ ou fouk'k

¼2½ enk e jlk;uk dk mi;kx

¼3½ vk|kfxd vif'k"V

¼4½ uxjh; vif'k"V

mRrj 16& **vPN i;koj.k gr fØ;kdyki&** i;koj.k dk le>u] mld lryu ml tu mi;kxh cuku gr nf"Vdk.k ge cnyuk gkxk A

ie[k fØ;kdyki&

¼1½ iÑfr e ekuoÑr i;koj.k dh fLFkfr tk ekuo d nk"ki.k ÑR;k d ckn jg xb g ml lj{k.k inku fd;k tk, A

¼2½ in"k.k jkdu dkuuk dk l[rh l ikyu djkuk pkfg, A

¼3½ i;koj.k f'k{kk dh vko';drk dk ykxk dk le>k;k tk, A

¼4½ i;koj.k vkpkj lfgrk dk fodkl A

¼5½ i;koj.k d {k= e if'kf{kr 0;fDr;k dh vko';drk ij /;ku A

^^vFkok**

i;koj.k tu tkxfr dk;Øe

i;koj.k d ifr tkxfr d fy, vud dk;Øe pyk, tk jg g tk fuEufyf[kr g &

¼1½ ikfjfLFkfrdh fodkl f'kfoj

¼2½ 0;k[;ku J[kyk

¼3½ if'k{k.k dk;Øe

¼4½ fQYe in'ku

¼5½ in'kfu;k bR;kfn

lk/kkj.k tu ekul dk i;koj.k dh fofHkUu leL;kvk l voxr djk mul gk ldu oky n"ifj.kke dh tkudkjh nh tkrh g] bu dk;Øek d lpkyu e 'kklu d lkFk Lo; loh lLFkkvk dh Hkh egRoi.k Hkfedk gku yxh g A

mRrj 17& **lf{kIr fVIi.kh&**

¼1½ dPN ouLifr;k&

dPN ouLifr;k fo'o d Å".k rFkk mik".k dfVc/kh; {k=k dh {kkj lg okfudh ikfjfLFkrdh 0;oLFkk g ; cMh rknkn e ik/kk vkj tho tUrvk dh ,lh itkfr;k d lxg.k {k= g] tk ,d yc fodkIØe e vkil e lc/k jg g] vkj ftue {kkj lgu dju dh mYy[kuh; {kerk g] ; lenh rVj[kk dk fLFkj djrh g ,o len }kjk gk jg dVko l rVc/k dh j{kk djrh g A dPN ouLifr;k lep Hkkjrh; len rV ij ifjjf{kr egkuk Tokjh;] rkfM;k] i'; ty] {kkjh; nynyk vkj nynyh enkuk e ikb tkrh g] ; /kkj.kh; eRL; {k= dk lo/ku Hkh djrh g ou vkj i;koj.k e=ky; 1987 l dPN ouLifr lj{k.k dk; py jgk g A

¼2½ ioky fHkfÙk;k&

ioky fHkfÙk;k dk vxth e dkjy dgk tkrk g] ftl ,d fo'k"k idkj d tyh; ik.kh d fy, i;Dr fd;k tkrk g A len d vnj ,d NkVk lk ik.kh pu d [kky l fpidk jgrk g] og ogh ij c<rk] budh l[;k e yxkrkj of) l len d Hkhrj pu dk ,d pVVku bl ik.kh dh enn l mHkj dj vkrk g] pu l fufer bl ik.kh vo'k"k dk ioky fHkfÙk dgr g] Hkkjr e ioky fHkfÙk;k d ie[k LFky g &

¼1½ vMeku ,o fudkckj }hi leg

¼2½ y{k}hi

¼3½ eUukj dh [kkMh

¼4½ dPN dh [kkMh

^^vFkok**

¼1½ vkn Hkfe%&

n'k e vkn Hkfe BM vkj 'k"d bykd l ydj e/; Hkkjr e dfVc/kh; ekuluh bykd vkj nf{k.k d ueh oky bykd e Qyh g A ;g ck< fu;=.k e iHkkoh g] vkj ryNV de djrh g A ;g {k= 'khrdky d fy, if{k;k vkj tho tUrvk d fy, 'kj.kkxkg g] fofHkUu idkj dh eNfy;k vkj tUrvk d ituu d fy, Hkh ;g mRre {k= g] lenh rQku vkj v/kM d iHkko dk lgu dju dh mPp {kerk bue gkrh g] ;g lenh rV j[kk dk fLFkj djrh g A

¼2½ okVj 'kM i.kkyh dk egRo&

okVj 'kM ic/k e[; :i l oukjki.k ,o okVj 'kM ij vk/kkfjr Ñf"k Hkfe d fodkl d fy, vPN cht mojd cgrj Ñf"k Hkfe] midj.k ,o cgrj Ñf"k foKku fof/k;k dk i;kx fd;k tkrk g A 0;kid okVj 'kM fodkl dk;Øe Ñf"k fodkl ,o mRiknu c<ku d fy, vf/kd iHkkoh i)fr g A

mRrj 18& ou ic/ku gr ljdkjh i;kl&

ouk d lj{k.k lEcU/kh uhfrxr fn'kk&fun'kk e ouk ij vkfJr 0;fDr;k dh b/ku] pkjk] xj bekjrh] ou mRiknu vkj bekjrh ydMh dh vko';drk ekx dk lokf/kd egRo fn;k x;k g A

l;Dr ou icU/ku dk;Øe d ie[k fl)kr fuEufyf[kr g &

¼1½ gkl gkr g, cM ou {k= dk LFkk;h lenk; dh Hkkxhnkjh l iuh gjk&Hkjk cuk;k tk ldrk g A

¼2½ LFkkuh; lenk; dh ou lj{k.k vkj ou dh mRikndrk c<ku e Hkkx yuk ckgj d 0;fDr;k dk ;ktuk l vyx j[kk tk; A

Hkkjr e l;Dr ou icU/ku i.kkyh d vrxr 15000 xkeou lfefr;k yxHkx 20 yk[k gDV;j {k= e u"V gk jg ouk dk icU/k dj jgh g A

^^vFkok**

Hkfe D;k g & Hkfe iFoh dk og Hkkx g] ftl ij ge fuokl djr g] i'k]

i{kh] vkj lHkh tho tUr jgr g] ft l ij iM ik/k o ouLifr mxr g A iFoh d vnj vud ikÑfrd l lk/ku Hkj g A ;g ijh iFoh dk 3@10 Hkkx g] vkj bl LFkye.My dgr g A

Hkfe d u"V ;k nf"kr gku d dkj.k &

¼1½ Hkfe {kj.k& r t o"kk] vk/kh ,o rQku l feVVh dh Åijh lrg dN gh fnuk e cg tkrh g] tcfd bld cuu e cgr vf/kd le; yxrk g] vr% feVVh dh j{kk djuk vko';d g] Hkfe {kj.k ty ,o ok; nkuk l gkrk g A

¼2½ Hkfe in"k.k& Hkfe d Hkkfrd jklk;fud ;k tfod x.kk e ,lk dkb Hkh vokf{kr ifjoru ft ldk iHkko eu"; rFkk vU; thok ij iM vFkok Hkfe dh ikÑfrd x.koRrk rFkk mi;kfxrk u"V gk Hkfe in"k.k dgykrk g A

mRrj 19& **ty in"k.k dk tho tUrvk ij iMu okyk iHkko&**

ty d fuf'pr Hkkfrd] jklk;fud ,o tfod x.k gkr g] tc bu x.kk e fdlh vU; dkj.kk l ifjoru vk tkrk g rFkk bld PH eku e ifjoru gk tkrk gA bl n'kk e ;g 'k) ty inf"kr ty dgykrk g A inf"kr ty dk iÑfr d vU; inkFkk ij udkjkRed iHkko iMu yxrk g A iÑfr e fo|eku ekuo ft ld fy, ty gh thou g A bl inf"kr ty d mi;kx e gtk] VkbQkbM] Mk;fj;k] ifpl ,o ihfy;k jkxk l iHkkfor gk tkrk g A dHkh&dHkh rk nf"kr ty d lou l vud idkj d iV lc/kh fodkj Hkh mRiUu gk tkr g A

okgfud in"k.k dk fu;f=r dju d mik;

¼1½ Mh ty jy d btuk d LFkku ij fo|r pfyr jy btuk dk mi;kx fd;k tkuk pkfg, A

¼2½ cVjh pfyr okguk dk vf/kdkf/kd mi;kx fd;k tkuk pkfg, A

¼3½ lhlk&jfgr iVky rFkk Mh ty e l;kth inkFkk dk feykdj okguk e i;kx dju l ok; in"k.k dk de fd;k tk ldrk g A

¼4½ vR;f/kd ok; in"k.kdkjh okguk ij ikcnh rFkk vU; okguk l mRiUu /k, dk ekudhdj.k l vf/kd Lrj gku ij dkuuh dk;okgh dk iko/kku gkuk pkfg, A

¼5½ okgu fuek.k dju okyh difu;k tk in"k.k inkFk de ek=k e mRlftr gk A

^^vFkok**

ok; in"k.k dk ekuo LokLF; ij iMu okyk iHkko

ok; in"k.k l eu"; d LokLF; ij cgr cjk iHkko iMrk g A bll 'olu&lc/kh cgr l jkx tl& QQMk dk dlj] vLFkek vkj QQMk l lEcfU/kr nlj jkx gk tkr g A ok; e foifjr cgr lh /kkrvk d d.k vud l jkx mRiUu djr g A lhl d d.k fo'k"k : i l ukMh e.My l jkx mRiUu djr g A ukbVk tu vkDlkbM l QQMk gn; vkj vk[kk d jkx] [kklh o lhu e nn mRiUu djrh g A

okrkoj.k e dkcu ekukvkDlkbM dh mifLFkr gku l eu"; d jDr e ghekXykfcu d v.k vkDlhtu dh ryuk e 200 xuk vf/kd rth l Co_2 d v.kvk l tMu yxr g] ftll 'olu e ?kVu egll gku yxrh g A vf/kd le; rd bl ifjfLFkfr e jgu ij ne ?kVu l eR; gk tkrh g A

jklk;fud xl l;U=k rFkk ukfHkdh; ifj;ktukvk l ok;e.My e fuLrkfjr gku oky fofHkUu fo"ky jklk;fud inkFk viuk nh?kdkyhu iHkko eu";k d LokLF; ij NkMr g A mnkgj.k Lo:i 1984 dk Hkkjr e gb Hkkiky xl =klnh e feFkkby vklklkbuV d fjlko d dkj.k vud ykx ekj x; Fk] tcfd bl xl d iHkko d dkj.k vud xHkorh efgykvk d xHkLFk f'k'k ej g, ink g, Fk A blh idkj fgjkf'kek o ukxklkdh ij f}rh; fo'o ;) e fxjk; x; v.k cek fd fofdj.kk d iHkko l vkt Hkh ogk cgr l f'k'k vix rFkk ekufld : i l fof{kIr ink gkr g A

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