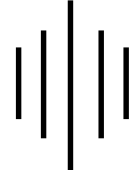


छत्तीसगढ़ माध्यमिक शिक्षा मण्डल, रायपुर



I xi y&itu i =



d{kk x oha



i ; kbj .k

1/4o | k\$pr i Hkkx1/2

NÙkhl x<+ek/; fed f'k{k e.My] jk; i g

i u & i = dh ; kstuk Scheme of Question Paper

fo"i; %& i ; kbj .k

i wkkd %75

l e; %3 ?k/s

i jh{kk % gkbZ Ldwy %10ohh

1/2 'kfk.kd mnns ; ds vuq kj eku

(A) Weightage as per Educational objective:

l 0 00	mnns ;	vd	ifr'kr
1-	Kku (Knowledge)	22	30%
2-	vocksk (Understanding)	37	50%
3-	vuq; ks , oa dksy (Application & Skill)	16	20%
		75	100%

1/2 bdkbkj vdk dk eku

l 000	bdkbz dk uke	bdkbz ij vkcfr vd	i u&i = ds ik: i vuq kj vkcfr vd
1-	enk l j{k.k , oa i dku	10	4\$6 3/4 10
2-	ty rFkk egkl kxjh; l d k/kuka dk l j{k.k , oa i dku	8	1\$2\$5 3/4 08
3-	t sod fofo/krk dk l j{k.k	7	1\$2\$4 3/4 07
4-	inlk.k ds i dki] L=kr , oa i dki inlk	10	1\$2\$2\$5 3/4 10
5-	inlk.k ds i hko rFkk fu; .k ds mi k;	10	1\$3\$6 3/4 10
6-	vki nk i dku	5	1 \$ 4 3/4 5
7-	i ; kbj .k l eL; k, j - I	5	1\$1\$3 3/4 5
8-	i ; kbj .k l eL; k, j - II	5	1 \$ 4 3/4 5
9-	vPNs i ; kbj .k fuekZ k grq iz kl	10	1\$1\$3\$5 3/4 10
10-	mi HkkDrk f' kfk	5	2 \$ 3 3/4 5
11-			
12-			

i zu & i = dk Cyfi IV Blue Print of Question Paper

fo" k; %& i ; kbj . k

i wkkkd % 75

l e; % 3 ?k/s

i jh{kk % gkbLdny ¼10ohkz

bdkbz I - Ø -	bdkbz	bdkbz ij vkcivR vød	vødokj i zu							dy i zu
			1 vød	2 vød	3 vød	4 vød	5 vød	6 vød	6 vød ; k bl l s 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	-	-	-	-	-	-	-	-	-	-
	; ksx	75	10	5	4	4	3	2		18+(10) 1

Set - A

gkbz Ldwy I VhfQdV i jh{k
High School Certificate Examination
I fiy&i zu i=
SAMPLE PAPER

fo" k; % (Subject) - i ; kbj . k
d{kk % (Class) - ni oha

I e; 3 ?k. Vk (Time- 3 Hrs)
i vkkid 75 (M.M.)

(Instruction) & Vfun? k%

1- I Hkh itu gy djuk vfuok; zgSA

Attempt all the Question

2- itu Øekad 01 ea 10 v d fu/kkzjr gSA nks mi [k.M gSA [k.M ^v** ea 05
cgfodYih; itu rFkk [k.M ^c** ea 05 fjDr LFkkuka dh i firz vFkok mfr
I cak tkfM, A iR; d itu dsfy, 1 v d vkcfVr gSA

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- itu Øekad 02 I situ Øekad 06 rd vfr y?kqRrjh; itu gSA iR; d itu ij 02 v d vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 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- itu Øekad 07 I situ Øekad 10 rd y?kqRrjh; itu gSA iR; d itu ij 03 v d vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 50 'kCn A

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

5- itu Øekad 11 I situ Øekad 14 rd y?kqRrjh; itu gSA iR; d itu ea vkrfjd fodYi gsvk iR; d itu ij 04 v d vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 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- izu Øekad 15 Isizu Øekad 17 rd nh?kzmRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkj iR; d izu ij 05 vad vkafVr gSA mRrj dh vf/kdre 'kCn I hek 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- izu Øekad 18 vks 19 rd nh?kzmRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkj iR; d izu ij 06 vad vkafVr gSA mRrj dh vf/kdre 'kCn I hek 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 gh fodYi pfu,

Choose the correct alternative

- (i) I eqrVh; fuokfl ; ka dks dSYl ; e dkckZu/ i klr gkrk gS & 1/4 1/2
 v- vkndkfe l s c- dPN ouLi fr; ka l s
 l - i dkyfHkfrRr; ka l s n- buea l s dkbZ ugha

The people of coastal area get Calcium Carbonate.

- (a) Dry land (b) Mangrove vegetation
 (c) Coral Reef (d) None of these

- (ii) ckny [kky vH; kj . ; ft ys ea fLFkr gS & 1/4 1/2
 v- jk; ij ea c- t'ki j ea
 l - egkl eq ea n- fcykl ij ea

Badal Khol sancturary is in district-

- (a) Raipur (b) Jashpur
 (c) Mahasamund (c) Bilaspur

- (iii) buea l s jfM; k/kehZ rRo ugha gS & 1/4 1/2
 v- gkbMkst u & 3 c- dkckZu & 14
 l - ; jfu; e & 235 n- , Y; wehfu; e

Element that is not radioactive-

- (a) Hydrogen - 3 (b) Carbon - 14
 (c) Uranium - 235 (d) Aluminium

- (iv) i d dh gpZ l rg dk Hkjk jx dkyk gks tkrk gS & 1/4 1/2
 v- Pbs ds dkj . k c- PbsO₄ ds dkj . k
 l - PbO ds dkj . k n- buea l s dkbZ ughaA

Brown colour painted surface become black-

- (a) Due to Pbs (b) Due to PbsO₄
 (c) Due to Pbo (d) None of these

- (v) vki nkvka dk i zdkj gkrk gS & 1/4 1/2
 v- 1] c- 2] l- 3] n- 4
 Disasters are of types
 (a) 1, (b) 2, (c) 3, (d) 4

[k.M ^* @ Section (B)

fjDr LFku dh i frZ dhft,

Fill in the blanks-

- (i) gjs i kSkka dks ----- er dj nrh gS A 1/4 1/2
 makes green plant die.
- (ii) t b Mhty fefJr bZku l s okguka ds bat u dh mez ----- gS A 1/4 1/2
 The life of an engine of a vehicle with the biodiesel mixed fuel.
- (iii) LVksu d j ----- l s gkrk gS A 1/4 1/2
 causes stone cancer.
- (iv) fpi dks vknksyu ds iz krk ----- Fks A 1/4 1/2
 is the head of Chipko movement.
- (v) vki j\$ku ex ----- l s i kjEHk gqk A 1/4 1/2
 Operation Deer was started in

izu 2& jk"Vh; ty i zll/ku ifj; kstuk dk mnns; D; k gS \ 1/2 1/2
 What is the aim of National water management ?

izu 3& i nllkd D; k gS \ 1/2 1/2
 What is a pollutant ?

izu 4& NRrhl x<+ea ck; kSMty dk fuekZk fdl i kSkks l s fd; k tk jgk gS \ 1/2 1/2
 From which plant is biodiesel produced in Chhattisgarh ?

izu 5& l kekf td fØ; k dyki ka l s ok; e. My i nllkr gkrk gS bl dFku dh i q"V 1/2 1/2
 dhft, A
 Clarify the statement "Social activities causes atmospheric pollution."

izu 6& dksydkrk eal jI karsy eafdl i nkFkZ dsfeykoV dsdkj.k g tkjka0; fDr vi a
gks x; s \ 1/2 1/2

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

izu 7& ?kjsywi nllk.k dks fu; fl=r djus ds dkbZ rhu mi k; fyf[k, A 1/4 \$1\$1 1/2

Write three measures of controlling domestic pollution.

izu 8& LoPN i ; kbj.k dh I qkn dYi uk D; ka vko' ; d gS \ 1/3 1/2

Why is pleasant imagination of clearly environment necessary ?

izu 9& dy&dkj [kkuka dsc<rs iz kx I sgks okys i ; kbj.kh; I eL; kvka ds jkdFkke ds
dkbZ rhu mi k; fyf[k, A 1/4 \$1\$1 1/2

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

izu 10& folugh rhu HkkT; i nkFkZ ds uke rFkk ml eafeykoV gks okys i nkFkZ ds uke
fyf[k, A 1/4 \$1\$1 1/2

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

izu 11& I L; korZ D; k gS \ bl I senk dks D; k ykHk gS \ 1/2 1/2

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

^Vflok OR**

d.Vij Nf" k I s D; k I e>rs gS \ bl I senk dks D; k ykHk gS \ 1/2 \$2 1/2

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

izu 12& NRrhl x<+dks gcZy LVV jkT; D; ka ?kks"kr fd; k x; k \ 1/4 1/2

Why is Chhattisgarh declared as harbal State ?

^Vflok OR**

NRrhl x<+jkT; }kj k ?kks"kr ou ulfr D; k gS \ 1/4 1/2

What is the forest policy declared by Chhattisgarh state ?

izu 13& , d LFkku ij ck/k cuus ds dkj.k Mrc I s i Hkkfor {ks= ds ykxka ds vU; =
foLFkki u , oa i ; kbj.k ij i Meus okys pkj dkj.k ka dks fyf[k, A 1/4 1/2

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

^Vflok OR**

ekuoñr xfrfof/k; ka ds dkj .k ykxka dk i qLFkki u o i qokl u ds pkj dkj .kka
dks fyf[k, A 1/4 1/2

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

izu 14& gfjr xg i Hkko dk ukekñdr vkj[k cukb, A 1/2 \$ 2 1/2

Draw a labelled ray diagram of green house effect.

^Vflok OR**

vEyh; o"kkZ dk ukekñdr vkj[k cukb, A 1/2 \$ 2 1/2

Draw a labelled ray diagram of acid rain fall.

izu 15& fuEu ij I f{klr Vhli .kh fyf[k, & (2 1/2 + 2 1/2)

1/4 1/2 dPN ouLi fr; kj 1/2 1/2 i ckyfHkFRr; kj

Write short notes on :-

- (1) Mangrove Vegetation (2) Coral Reefs.

^Vflok OR**

fuEu ij I f{klr fVli .kh fyf[k, & (2 1/2 + 2 1/2)

1/4 1/2 vknZ Hkñe 1/2 1/2 okVj' kM i cU/k dk egRo

Write short notes on :-

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

izu 16& I eqh i nllk.k D; k gS\ I eqns ds 0; ki d : i I s i nñ'kr djus okys dkj dka dk
o.kZ dhft, A 1/4 \$ 4 1/2

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

^Vflok OR**

enk i nllk.k D; k gS\ enk i nllk.k ds ekuoñ; dkj .kka dk o.kZ dhft, A 1/4 \$ 4 1/2

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

izu 17& vPNs i ; kbj .k gsrq dks & dks I s fØ; kdyki djus pkfg, \ I f{klr ea o.kZ
dhft, A 1/5 1/2

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

^Vflok OR**

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

izu 18& ou izU/k grqD; k&D; k l jdkjh iz kl fd; stk jgsg\ i R; d dk l f{klr o.kU dhft, A 1/6 1/2

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

^Vflok OR**

What is land ? write the reasons of land deterioration and pollution. What are the means of its protection ? (1+2 1/2+2 1/2)

izu 19& ty inll.k dk tho&turwka ij D; k i llko i M-rk gS\ ty inll.k fu; a.k ds mik; fyf[k, A 1/2 \$ 4 1/2

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

^Vflok OR**

What are effects of air pollution on human health ? Write the measures of controlling vehicle pollution. 1/3 \$ 3 1/2

&&00&&

^i y mRrj**

[k.M & ^v*

- (i) I epz rVh; fuokfl ; ka dks dSYI ; e dkckZUW i klr gkrk g&
mRrj & ¼ ½ i dkyfHkFRr; ka l s
- (ii) ckny [kksy vH; kj.; ftys ea LFkr gS &
mRrj & ¼½ t'ki g ea
- (iii) buea l s jSM; kskhZ rRo ugha gS &
mRrj & ¼½ , Y; ehfu; e
- (iv) i d/ dh gpZ l rg dk Hkjk jx dkyk gks tkrk gS &
mRrj & ¼½ pbs ds dkj .k
- (v) vki nkvdka dk idkj gkrk gS &
mRrj & ¼½ nks

^[k.M c* mRrj

- (i) & SO₂ xJ
- (ii) & c<rh
- (iii) & vEyh; o"kkZ
- (iv) & Jh l Hnjyky cgqkk @ Jh pMh i d kn HkVV
- (v) & ekpZ2001

- mRrj 2& jk"Vh; ty izll/ku ifj; kstuk dk mnas; [ksh dh i hkokj vks [ksh l sgkus
okyh vk; ea of) djuk gSA
- mRrj 3& os inkFkZ tks vuqpr LFku ij] vuqpr ek=k eaekuo }kjk fol ftz fd, tks
g d inkkd dgykrs gSA
- mRrj 4& NRrhl x<+ea ck; kMhty dk fuekZk jru tkr uked i ksk l sfd; k tk jgk
gSA
- mRrj 5& I ekt dsfofHku jhfr&jokt] tS s'koka dk ngu] R; ksjk arFkk 'kknh&C; kg ea
gkus okyh vkfr'kckth vkfn dkj .kka l sok; eMy inff'kr gkrk gSA
- mRrj 6& dksydkrk ea l j l ksy ea dke vkusokyk no VRbfØI ky QkLQW dh feykoV
ds dkj .k gtkjks 0; fDr via gks x, A

- mRrj 7& ?kj syq i nllk.k dks fu; f=r djus ds 3 mik; fuEufyf[kr gS &
 ¼1½ ?kj ka ea /kq/k jfgr bZkauka ds mi ; kx dks c<kok nsuk A
 ½2½ ?kj syq dMk&djdV dks [kysLFkku ij Qadusdh ctk; feVvh ds xgjs xM<ks dks
 [kksndj ml eanck nsuk A
 ¾3½ ?kj ka eaf [kMdh] njoktka rFkk jks kunkuka dk I epr i cak gksuk pkfg,] , oaj I kbZ
 ?kj ka eaf peuh dh 0; oLFkk djuh pkfg, A
- mRrj 8& vkt ds I e; ea LoPN i ; kbj.k dh I [kn dYi uk vfr vko' ; d g\$, d vPNk
 i ; kbj.k D; k gSA bl fo"k; ij vud ykxka ds vuder gks I drsg\$ tks bl
 ckr ij fuHkj djrs g\$fd muds I kpu\$ jgu\$ [kku&iku] dke vkfn djus dk
 rjhdk D; k gSA ij fQj Hkh bl ckr ij I Hkh I ger gks\$fd dMk&ddM] /kwy]
 jks] i nllk.k] HkhM] ruko] Mj] fpUr, ; v\$ vLoLFkrk] thou dh I rjrk dks {kfr
 i gprsg\$A vr%LoPN , oavPNs thou gsrq; g dgk tk I drk g\$fd thou dh
 xqkorrk dk Bkd vk/kkj i ; kbj.k dh xqkorrk gh g\$ LoPN ty] Hkstu] ok;]
 vkokl i ; kbj.k ds vko' ; d ?kVd gSA i kNfrd i nkFkz dk I epr mi ; kx ge
 dj I d\$ bl gsrq LoPN i ; kbj.k dh I [kn dYi uk vfuok; Z gSA
- mRrj 9& dy&dkj [kkuka ds c<fs iz kx I s gksus okyh i ; kbj.kh; I eL; kvka ds jkdFkke
 gsrq rhu mik; fuEufyf[kr gS &
 ¼1½ dy&dkj [kkuka eafpefu; k; Åpkbz ij yxkbz tkuh pkfg, A
 ½2½ dkj [kkuka I sckgj fudyusokys vi f'k'V i nkFkz dk I epr mi pkj fd; k tkuk
 pkfg, A
 ¾3½ m | kxka ea df.kdh; i nllkdka ds fuLrkj.k ds fy, c\$ fQYVj dks fpefu; ka I s
 t kMuk pkfg, A Qscd fQYVj ; k gkbZ, ut hZLØcj mi dj.kka dk iz kx djds
 ok; q i nllk.k de fd; k tk I drk gSA
- mRrj 10& rhu Hkkt; i nkFkz ds uke] ml eafeykoV gksus okys iz pr i nkFkz
- | | | | |
|-----|-------|--------|----------------|
| Ø- | Hkkt; | inkFkz | feykoVh inkFkz |
| ¼1½ | 'kq | ?kh | & MkyMk |
| ½2½ | gYnh | | & yM ØkeV |
| ¾3½ | dkyh | fepZ | & i hrs dk cht |

mRrj 11& I L; korŹu enk I j{k.k dk , d mik; gŹ ; fn enk ea iR; ōd o"Ź , d gh iŹkj
 dh QI y mxkbZ tk, rksenk dh moŹk 'kŹDr I eklr gksus yxrh gŹ vr%enk
 dh moŹk 'kŹDr dks cuk, j [kus ds fy, iR; ōd o"Ź QI yka ea i fjo rŹu fd; k tk,
 rksbl s I L; korŹu ; k QI y pØ dgrsgŹA
 mnkgj.k& ; fn enk ea , d ckj xgŹ di kl] eDdk] vkyq vkfn dh QI y cksus
 ds ckn nŹ jh QI y ngyu dŹ ds iŹkka dh gksuh pfg,] bu iŹkka dh tMka ea
 xkBs ikbz tkrh gŹ ftuea miLFkr thok.kq okrkoj.k dh ukbVŹstu dks HkŹie ea
 fLFkj dj nrk gŹ ft I I smoŹk 'kŹDr c<+tkrh gŹA

^vFkok**

d.Vij Ũf"ka& bl iŹkj dh Ũf"ka igkMka dh <ykuka ij vf/kd mi ; kxh gŹ [kska
 ea ; k <yku okys {ks=ka ea [kpsrFkk dVd cuk, tkrsgŹ ft I I si kuh bl ea: d
 tkrk gŹA

yHk& 1/1 1/2 ; g enk I j{k.k dh , d tŹod fof/k gŹA

1/2 1/2 bl ea enk dk vijnu ughagkrk gŹA

mRrj 12& NRrhl x<+i kŹfrd nŹV I s [kfut I ink I soBko'kkyh jgk gŹA ; g i kphure
 bfrgkl o I Źfr dk I {kh jgk gŹ orŹku ea N-x- jkT; }kj k ouka dks I jf{kr
 djus rFkml ds pfdRI h; egRo dks tuekul rd igpkus ds fy, egRo i wkZ
 dk; Zfd, tk jgs gŹA ft I I s bl s vc ykx gcŹy LVŹ ds uke I s tkuus yxs
 gŹA

^vFkok**

NRrhl x<+jkT; }kj k ouks ds I j{k.k , oafodkl gŹq?kks"kr ou uhfr fuEukuŹ kj
 gŹ&

1/1 1/2 ou {ks=ka ea Ũf"ka okfudh dk; kŹ dks c<kok fn; k tk, xk A

1/2 1/2 jkT; ds ou xteka dks jkTLo xteka ea cnyk tk, xk A

1/3 1/2 jkT; dks gcŹy LVŹ cukus dh vo/kkj.kk dks eirZ: i nus ds fy, y?kq ouksi t
 vkŹ vkŹk/kh; iŹkka dks I jf{kr , oa I Źf/kŹ fd; k tk, xk A

mRrj 13& , d LFkku ij ckŹk cuus ds ckj.k MŹ I s iHkkfor {ks= ds ykxka ds vŹ; =
 foLFkki u dk i ; kŹj.k , oa ykxka ij fofHkku iŹkj ka I s iHkko i MŹk gŹA tŹ &

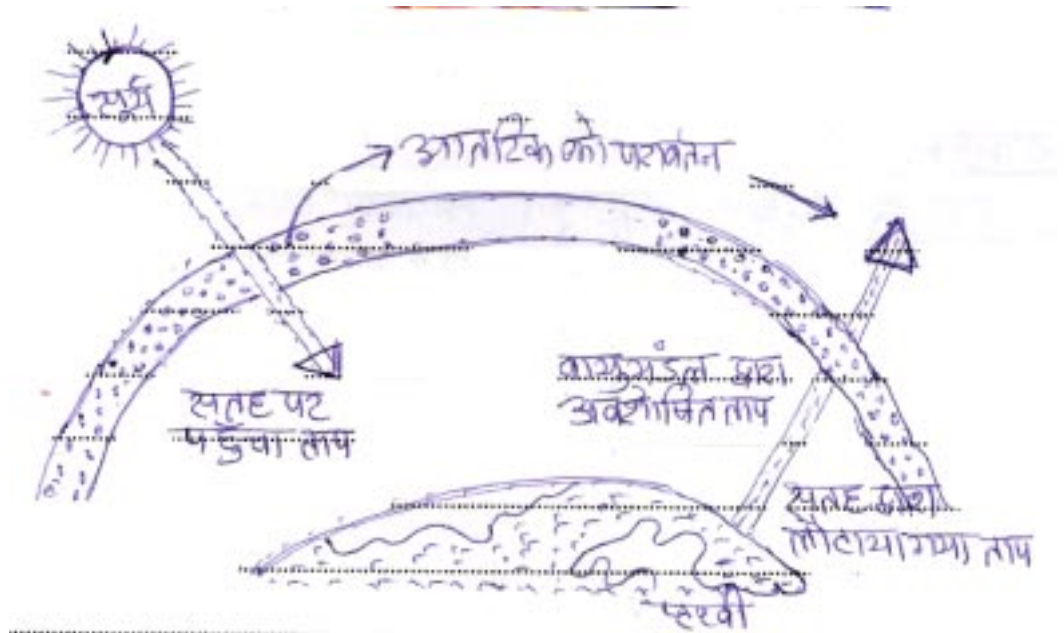
- 1/1 1/2 cflr; ka dksuohu {ks=ka ea cl kus l smudh l ka Ñfrd fojkl r u"V gks tkrh gSA
- 1/2 1/2 i fj; kstuk LFky dh enkl] ouLi fr rFkk vU; thoka dh {kfr gksh gSA
- 1/3 1/2 foLFkfi r i fjokj ka dks t gk; cl k; k tkrk g\$ ogk; ds i; kbj .k ij foi jhr i Hkko i Mfrk gSA
- 1/4 1/2 u, LFkku ij cl us ds dkj .k jkst xkj dh l eL; k gksh gSA

^vFlok**

ekuoÑr xfrfof/k; ka ds dkj .k ykxka dk i qLFkka u o i qokl u fuEu dkj .kka l s gks l drk gS &

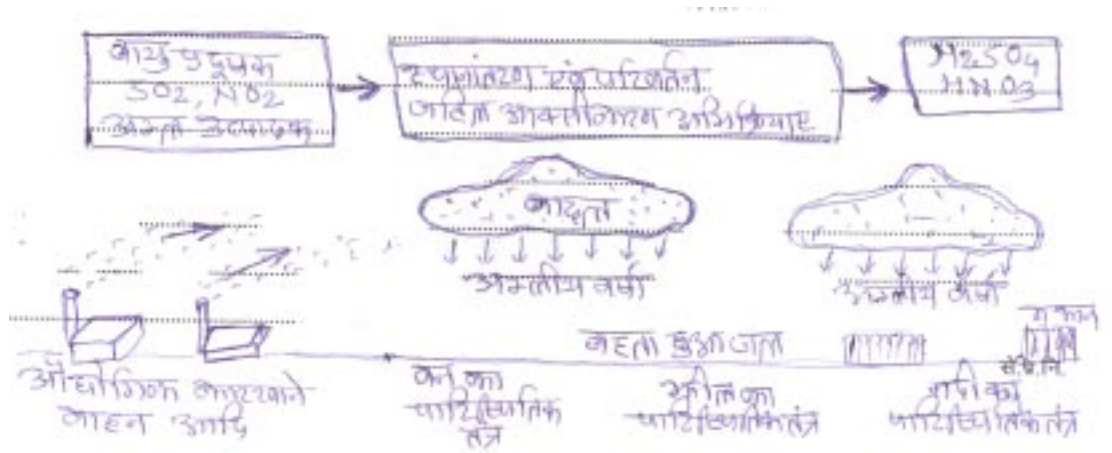
- 1/1 1/2 ; q) dky ds l e; l hekortz xkoka l s ykxka dks vU; = crk; k tkrk gSA
- 1/2 1/2 vks] kfxdhj .k ds l e; ykxka dks ml js LFkkuka ij cl k; k tkrk gSA
- 1/3 1/2 j syekz] jktekz cukrs l e; vf/kxfgr Hkfe es cl s ykxka dks vU; = cl k; k tkrk gSA
- 1/4 1/2 cka kka ds fuekz k {ks= ea , oam l ds Mnc l sl Hkfor i Hkfor {ks= ds ykxka dks vU; = cl k; k tkrk gSA

mRrj 14& gfjr xg i Hkko dk vkj\$[k



^vFlok**

vEyh; o"kkz & ukekfidr vkjs[k



mRrj 15& I f{klr fVli .kh&

¼½ dPN ouLifr; k&

dPN ouLifr; k; fo'o dsÅ".k rFkk mi kŠ.k dfVcalkh; {ks=kadh {kkj I g okfudh ikjflFkrdh 0; oLFkk gS ; s cMh rknkn ea ikŠkka vkŠ tho tUrqka dh , d h iztkfr; kadsI xg.k {ks= gŠ tks, d ycsfodkl Øe eavki I eaI cdk jgsgŠ vkŠ ftuea {kkj I gu djus dh mYys[kuh; {kerk gŠ ; s I eqh rVjs[kk dks fLFkj djrh gS , oa I eqz }kjk gks jgs dVko I s rVcalk dh j{kk djrh gSA dPN ouLifr; k; I eqs Hkkjrh; I eqz rV ij ifjff{kr egkuka Tokjh;] rkm+ k; i' ; ty] {kkjh; nynyka vkŠ nynyh eškuka ea ikbz tkrh gŠ ; s/kk.j.kh; eRL; {ks= dk I d/kz Hkh djrh gSou vkŠ i ; kbj.k ea-ky; 1987 I sdPN ouLifr I j{k.k dk; Zpy jgk gSA

¼½ idky fhkfÜk; k&

idky fhkfÜk; ka dks vaxst h ea dkjy dgk tkrk gŠ ftI s , d fo'kŠk idkj ds tyh; ik.kh dsfy, iz Ør fd; k tkrk gSA I eqz ds vñj , d Nk/k I k ik.kh pmsds [kky I sfpi dk jgrk gŠ og oghai j c<rk] budh I [; k eayxkrkj of) I s I eqz ds Hkhrj pmsdk , d pVVku bl ik.kh dh enn I smHkj dj vkrk gŠ pms I sfufeZr bl ik.kh vo'kŠk dks idky fhkfÜk dgrsgŠ Hkkjr ea idky fhkfÜk; ka ds izc[k LFky gŠ &

- 1/1½ vMeku ,oafudkckj }hi l eg
- 1/2½ y{k}hi
- 1/3½ elukj dh [kkMh
- 1/4½ dPN dh [kkMh

^vFlok**

1/1½ vknz Hkfe%

nsk esavknzHkfe BMsvkš 'ktd bykds l sydj e/; Hkkjr eadfvcałh; ekul wuh bykds vkš nf{k.k ds ueh okys bykds ea QSyh gSA ; g ck+fu; æ.k ea i Hkkoh gš vkš ryNV de djrh gSA ; g {ks= 'khrdky ds fy, if{k; ka vkš tho tUrq/ka ds fy, 'kj.kkxkg gš fofHku i d kj dh eNfy; ka vkš tUrq/ka ds iztuu ds fy, Hkh ; g mRre {ks= gš l eph rQku vkš v/kM ds i Hkko dks l gu djus dh mPp {kerk buea gsrh gš ; g l eph rV jš[kk dks fLFkj djrh gSA

1/2½ okVj 'kM izkkyh dk egRo&

okVj 'kM izak eq; : i l soukiki .k , oa okVj 'kM ij vk/kkfjr Ñf" k Hkfe ds fodkl ds fy, vPNs cht mojd cgrj Ñf" k Hkfe] mi dj.k , oa cgrj Ñf" k foKku fof/k; kadk iz kx fd; k tkrk gSA 0; ki d okVj 'kM fodkl dk; Øe Ñf" k fodkl , oamRi knu c<kus ds fy, vf/kd i Hkkoh i) fr gSA

mRrj 16& l eph i nll.k.& l eph i nll.k ds dkj.k l eph tho&tUrqu"V gksjgsgSA l eph l E ink dh gkfu gksjgh gSA

l eph i nll.k ds i Hkko

- (i) ufn; ka ds l kFk vkus okys i nllkd l s l eph thoka dk u"V gksak A
- (ii) nll"kr eNyh dks [kkus l sekuo chekj gksjgk gSA
- (iii) l epz ea nqkz/uko'k i s rfy; e i nkFkz ds fj l ko l sekuo] eNfy; ka i j i HkkoA
- (iv) l eph xgjkbz ea mi fLFkr j l k; uka dk mi ; kx vkSk/kh fuekz k ea gks jgk gš i nll.k l s bu i nkFkz dh xqoRrk i Hkfor gsrh gSA
- (v) l eph i nll.k l seps dh mi t de gksjgh gS& xgjh vkfFkd {fr A
- (vi) i j ek.kq i j h{k.k l s l eph tho j s M; k kfez k l s i Hkfor gks x, gš tks d j mRi fRr dk dkj.k cu x, gSA

^vFlak**

enk i nll.k & enk foHklu i zdkj ds [kfu t rRok] dkcud inkFk] x\$ ka , oa ty vkfn
rRokadk , d fuf' pr vuqkr eafeJ.k gkrk gSA fdl h dkj.ko'k l jpkuk , oa
xqkoRrk l ekkr gks tkrh g\$ bl senk i nll.k dgrsgA

enk i nll.k ds dkj.k &

- 1/4 1/2 ou fouk'k
- 1/2 1/2 enk eajl k; ukadk mi ; kx
- 1/3 1/2 vks] kfxd vif'k"V
- 1/4 1/2 uxjh; vif'k"V

mRrj 17& **vPNs i ; kbj.k grqfØ; kdyki & i ; kbj.k dks l e>u\$ ml ds l rgyu ml s tu**
mi ; kxh cukus grqnf"Vdksk ges cnyuk gksk A

i zqk fØ; kdyki &

- 1/4 1/2 i Ñfr eækuoÑr i ; kbj.k dh fLFkfr tksekuo dsnkski wkz ÑR; ka dsckn jg xbz
g\$ ml s l j {k.k inku fd; k tk, A
- 1/2 1/2 i nll.k jksdus dkuuka dk l [rh l s i kyu djuk plfg, A
- 1/3 1/2 i ; kbj.k f'k{k dh vko' ; drk dks ykxka dks l e>k; k tk, A
- 1/4 1/2 i ; kbj.k vkpkj l fgrk dk fodkl A
- 1/5 1/2 i ; kbj.k ds {ks= ea i f'kf{kr 0; fDr; ka dh vko' ; drk ij /; ku A

^vFlak**

i ; kbj.k tu tkxfr dk; Øe

i ; kbj.k dsifr tkxfr dsfy, vud dk; Øe pyk, tk jgsg\$ tksfuEufyf[kr
g\$ &

- 1/4 1/2 i kfj fLFkfr dh fodkl f'kfoj
- 1/2 1/2 0; k[; ku Jqkyk
- 1/3 1/2 i f'k{k.k dk; Øe
- 1/4 1/2 fQYe in'kz
- 1/5 1/2 in'kz; k; bR; kfn

l k/kkj.k tu ekul dks i ; kbj.k dh foHklu l eL; kvka l svoxr dj k mul sgks

I dus okys nfi fj .kke dh tkudkjh nh tkrh gš bu dk; Øeka ds I pkyu ea
'kkl u ds I kFk Lo; a l dh I LFkkvka dh Hkh egRoi wkZ Hkfredk gksus yxh gSA

mRrj 18&

ou izaku gsrq I jdkjh iz kl &

ouks ds I j {k.k I ECU/kh uhfrxr fn'kk&funž kka ea ouka ij vkfJr 0; fDr; ka dh
bžku] pkjk] xš bekjrh] ou mRi knu vks bekjrh ydMh dh vko'; drk ekx
dks I okZ/kd egRo fn; k x; k gSA

I a Ør ou izCU/ku dk; Øe ds izē[k fl) kar fuEufyf[kr gS&

¼½

gkl gksrs gq cMš-ou {ks= dks LFkk; h I epk; dh Hkxhnhkjh I s i q% gjk&Hkj k
cuk; k tk I drk gSA

½½

LFkkuh; I epk; dh ou I j {k.k vks ou dh mRi kn drk c<teuseaHkx ysk ckgj
ds 0; fDr; ka dks ; kstuk I s vyx j [kk tk; s A

Hkjr ea I a Ør ou izCU/ku izkkyh ds vaxž 15000 xteou I febr; k; yxHkx
20 yk[k gDVš j {ks= ea u"V gksjgs ouka dk izCU/k dj jgh gš A

^vFkok**

Hkfe D; k gS & Hkfe iFoh dk og Hkx gš ftl ij ge fuokl djrs gš i'kq
i {kh] vks I Hkh tho tUrjgrsgš ftl ij i M+i kšso ouLifr mxrsgSA iFoh
ds vñj vud i kÑfrd I a k/ku Hkjs gš A ; g ijh iFoh dk 3@10 Hkx gš vks
bl sLFkye.My dgrsgš A

Hkfe ds u"V ; k nfr gksus ds dkj.k &

¼½

Hkfe {kj.k& rst o"kkž vkdkh , oa rQku I s feVVh dh Åijh I rg dñ gh fnuka
eacg tkrh gš tcf d bl dscuuseacgr vf/kd I e; yxrk gš vr%feVVh dh
j {kk djuk vko'; d gš Hkfe {kj.k ty , oa ok; qnksuks I s gksrk gSA

½½

Hkfe i nll.k& Hkfe ds Hkšrd jkl k; fud ; k tšod xqkkaea, s k dkbZHkh vokš {kr
ifjorž ftl dk i Hkko euq; rFkk vU; thoka ij i Mš vFkok Hkfe dh i kÑfrd
xqkorrk rFkk mi ; kšxrk u"V gks Hkfe i nll.k dgykrk gSA

mRrj 19&

ty inll.k dk tho tUrjka ij i Mš okyk i Hkko&

ty dsuf'pr Hkšrd] jkl k; fud , oa tšod xqk gksrgš tc bu xqkkaeafdl h
vU; dkj.kka I s ifjorž vk tkrk gš rFkk bl ds PH eku esā fjorž gks tkrk gš

bl n'kk ea; g 'kq) ty inf'kr ty dgykrk gSA inf'kr ty dk iÑfr ds
 vl; inkFkk ij udkjRed iHko iMūs yxrk gSA iÑfr ea fo|eku ekuo
 ftl dsfy, ty gh thou gSA bl inf'kr ty ds mi; kx ea gSt k] VkbQkbM]
 Mk; fj; k] i spl , oa i hfy; k jkska l si Hkkfor gks tkrk gSA dHkh&dHkh rks nfr'
 ty ds l ou l svud izkj ds iV l æzkh fodkj Hkh mRiUu gks tkrs gSA
okgfud i nll.k dks fu; f=r djus ds mik;

¼½ Mhty jsy ds batuka ds LFku ij fo|r pfyr jsy batuka dk mi; kx fd; k tkuk
 pkfg, A

½½ cS/jh pfyr okguka dk vf/kdkf/kd mi; kx fd; k tkuk pkfg, A

¾½ I hl k&jfgr i s/ky rFkk Mhty ea l a ksth inkFkk dks feyk dj okguka ea iz kx
 djus l sok; q i nll.k dks de fd; k tk l drk gSA

¾¾½ vR; f/kd ok; q i nll.k dkjh okguka ij i kcinh rFkk vl; okguka l s mRiUu /kq; dk
 ekudhdj.k l svf/kd Lrj gks ij dkuuh dk; bkgh dk i ko/kku gksuk pkfg, A

¾¾¾½ okgu fueZ k djus okyh dā fu; ka tks i nll.k inkFkZ de ek=k ea mRi ftZ gks A

^vFkok**

ok; q i nll.k dk ekuo LokLF; ij iMūs okyk iHko

ok; q i nll.k l seuq; ds LokLF; ij cgr cjk iHko iMf k gSA bl l s
 'ol u&l æzkh cgr l s jks ts & QOMks dk dš j] vLFkek vkš QOMka l s
 l EcfU/kr nll j s jks gks tkrs gSA ok; q ea fo i jr cgr l h /kkr q ka ds d.k vud
 l s jks mRiUu djrs gSA l hl s ds d.k fo'kšk : i l sukMh e.My l s jks mRiUu
 djrs gSA ukbVktu vkDI kbM l s QOMka gn; vkš vkq[kka ds jks] [kkq l h o l hus
 ea nnZ mRiUu djrh gSA

okrkj.k ea dkcZ eksuks vkDI kbM dh mi fLFkr gks l seuq; ds jDr ea
 ghek ykfcu ds v.kq vkDI htu dh ryuk ea 200 xqk vf/kd rsth l s Co₂ ds
 v.kq ka l s tMūs yxrs g ft l l s 'ol u ea?k/ u egl l gks yxrh gSA vf/kd
 l e; rd bl i f j fLFkr ea jgus ij ne ?k/ us l seR; w gks tkrh gSA

jkl k; fud xš l a U=ka rFkk ukfHkdh; i fj; kst ukvka l s ok; e.My ea

fuLrkfjr gks okys fofHkUu fo"ksys jkl k; fud i nkFkZ vi uk nh?kZkyhu i Hkko
euq; ka ds LokLF; ij NkMfsgA mnkgj.k Lo: i 1984 dks Hkkr e agpZ Hkki ky
xS =kl nh eafeFkky vki kl kbus/ dsfjl ko dsdkj.k vud ykx ekjsx; sFk
tcf d bl xS ds i Hkko ds dkj.k vud xHkZrh efgyk vka ds xHkZFk f'k'kq ejs
gg i Hk gq Fks A bl h izdkj fgjks'kek o ukxkl kd h ij f}rh; fo'o ; q ea
fxjk; sx; sv.kq cekafd fofdj.k ka ds i Hkko I svkt Hkh ogka cgq I sf'k'kq vi x
rFkk ekuf d : i I sfof{klr i Hk gksrgA

&&00&&

Set - B

gkbz Ldwy I VhfQdV i jh{k
High School Certificate Examination
I fiy&i zu i =
SAMPLE PAPER

fo" k; % (Subject) - i ; kbj . k
d{kk % (Class) - ni oha

I e; 3 ?k. Vk (Time- 3 Hrs)
i vkkid 75 (M.M.)

(Instruction) & Vfun? k%

1- I Hkh itu gy djuk vfuok; zgSA

Attempt all the Question

2- itu Øekad 01 ea 10 v d fu/kkzjr gSA nks mi [k.M gSA [k.M ^v** ea 05
cgfodYih; itu rFkk [k.M ^c** ea 05 fjDr LFkkuka dh i firz vFkok mfr
I cak tkfM, A iR; d itu dsfy, 1 v d vkcfVr gSA

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- itu Øekad 02 I situ Øekad 06 rd vfr y?kqRrjh; itu gSA iR; d itu
ij 02 v d vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 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- itu Øekad 07 I situ Øekad 10 rd y?kqRrjh; itu gSA iR; d itu ij 03
v d vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 50 'kCn A

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

5- itu Øekad 11 I situ Øekad 14 rd y?kqRrjh; itu gSA iR; d itu ea
vkrfjd fodYi gsvkj iR; d itu ij 04 v d vkcfVr gSA mRrj dh vf/kdre
'kCn I hek 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- izu Øekad 15 I s izu Øekad 17 rd nh?kzmRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkj iR; d izu ij 05 vad vkafVr gSA mRrj dh vf/kdre 'kCn I hek 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- izu Øekad 18 vks 19 rd nh?kzmRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkj iR; d izu ij 06 vad vkafVr gSA mRrj dh vf/kdre 'kCn I hek 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.

Earthen disaster is -

- (a) Earthquake (b) Drought
(c) Flood (d) Cyclone

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

fjDr LFku dh i frz dhft, &

Fill in the blanks-

- (i) dy dkj [kkuka dk xnk ty ----- dks c<tok nrk gSA 1/4 1/2
Dirty water of the factories gives rise to
- (ii) tul [; k foLQk/ ----- dks vi ukdj jkdruk gksk A 1/4 1/2
Population explosion has to be stopped adopting
- (iii) gfjr xg i Hkko ea CO₂ dk ; kxnu ----- gSA 1/4 1/2
The contribution of CO₂ in green house effect is
- (iv) vki j\$ku ex dk mnas; ----- ds f'kdj dh jkdFkke djuk gSA 1/4 1/2
The purpose of operation Deer is to prevent from hunting.
- (v) ty inkk.k vf/kfu; e ea ----- /kkj k, i gSA 1/4 1/2
Water pollution orevention and control act consist of articles.
- izu 2& rkykcka dks i Ddk D; ka cuk; k tkuk pkfg, \ 1/2 1/2
Why should we contract permanent ponds ?
- izu 3& c\$kk vkfnokfl ; ka ds fy, dksu l k o{k i v; uh; gS\ 1/2 1/2
Which tree is worshipped by the Baiga tribes ?
- izu 4& i ; kbj.k inkk.k dks ifjHkkf"kr dhft, A 1/2 1/2
Define environmental pollution.
- izu 5& yk\$ v; Ld l sfudyk eyck Hkfe ij D; k i Hkko Mkyrk gS\ 1/2 1/2
How dose the waste produced by the extraction of iron ore effect the Soil ?
- izu 6& feBkb; ka ea jaks ds iz kx l sfdl jks dh l Hkkouk gksrh gS\ 1/2 1/2
Which disease is caused by using colour in sweets ?
- izu 7& vks] k\$xd inkk.k dks fu; i=r djus ds dkbZ rhu mik; fyf[k, A 1/4 \$1\$1 1/2
Write any three measures controlling of industrial pollution.

izu 8& ijEijkxr ÅtkZ L=krka dk I j {k.k D; ka vko' ; d gS\ 1/3 1/2

Why is the conservation of traditional energy sources necessary ?

izu 9& ou {ks= ea [kuu ifj; kstuk ikjEHk djus ou I j {k.k vf/kfu; e 1980 dk D; k egRo gS\ 1/4 1/2 1/2

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

izu 10& 'kDdj eafeykoV dsfy, rhu inkFkkZ ds uke fyf[k, A 1/4 1/2 1/2

Write the names of three substances mixed with Sugar.

izu 11& gfjr xg iHkko dk ukekfdR vkj[k cukb, A 1/2 2 1/2

Draw a labelled ray diagram of green house effect.

^vFkok OR**

vEyh; o"kkZ dk ukekfdR vkj[k cukb, A 1/2 2 1/2

Draw a labelled ray diagram of acid rain fall.

izu 12& I L; korZu D; k gS\ bl I senk dks D; k ykHk gS\ 1/2 2 1/2

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

^vFkok OR**

d.Vj Nf" k I svki D; k I e>rs gS\ bl I senk dks D; k ykHk gS\ 1/2 2 1/2

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

izu 13& NRrhl x<+dks gcY LVS jkT; D; ka ?kks"kr fd; k x; k \ 1/4 1/2

Why is Chhattisgarh declared as harbal State ?

^vFkok OR**

NRrhl x<+jkT; }kj k ?kks"kr ou ulfr D; k gS\ 1/4 1/2

What is the forest policy declared by Chhattisgarh state ?

izu 14& , d LFkku ij ck/k cuus ds dkj .k Muc I s iHkfor {ks= ds ykxka ds vU; = foLFkki u , oa i ; kbj .k ij i Muc okys pkj dkj .kka dks fyf[k, A 1/4 1/2

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; ka ds dkj .k ykxka dk i qLFkki u o i qokl u ds pkj dkj .kka
dks fyf[k, A 1/4½

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

izu 15& vPNs i ; kbj .k grq dks & dks I s fØ; kdyki djus pkfg, \ I f{klr ea o.ku
dhft, A 1/5½

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

^VFlok OR**

i ; kbj .k tutkxfr dk; De dks & dks I sg\ i R; d dk o.ku dhft, A 1/2 \$ 3½

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

izu 16& fuEu ij I f{klr Vhli .kh fyf[k, & (2½+2½)

1/4½ dPN ouLifr; kj 1/2½ i dky fhkfr; kj

Write short notes on :-

- (1) Mangrove Vegetation (2) Coral Reefs.

^VFlok OR**

fuEu ij I f{klr fvli .kh fyf[k, & (2½+2½)

1/4½ vknz Hkfe 1/2½ okVj' kM i zU/k dk egRo

Write short notes on :-

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

izu 17& I eqh i nllk .k D; k gs\ I eqks ds 0; ki d : i I s i nll'kr djus okys dkj dka dk
o.ku dhft, A 1/4 \$ 4½

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

^VFlok OR**

enk i nllk .k D; k gs\ enk i nllk .k ds ekuah; dkj .kka dk o.ku dhft, A 1/4 \$ 4½

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

izu 18& ou izU/k grqD; k&D; k l jdkjh iz kl fd; stk jgsg\ i R; d dk l f{klr o.kU
dhft, A 1/6 1/2

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

^VFkok OR**

Hkrie D; k gS\ Hkrie dsu"V vFkok nif"kr gksus dskj .kka dksfyf[k, A bl dscpko
ds D; k&D; k mik; g\ (1+2 1/2+2 1/2)

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

izu 19& ty inlk.k dk tho&turpka ij D; k i Hkko i Mfk gS\ ty inlk.k fu; .k ds
mik; fyf[k, A 1/2 \$ 4 1/2

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

^VFkok OR**

ok; qi nlk.k dk ekuo LokLF; ij D; k i Hkko i Mfk gS\ okgfud ok; qi nlk.k dks
fu; i=r djsus ds mik; fyf[k, A 1/3 \$ 3 1/2

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

&&00&&

^i y mRrj**

[k.M & ^*

mRrj &

- (i) c & 2002
- (ii) v & 11
- (iii) l & D₂O
- (iv) n & i hfy; k
- (v) v & Hkclā

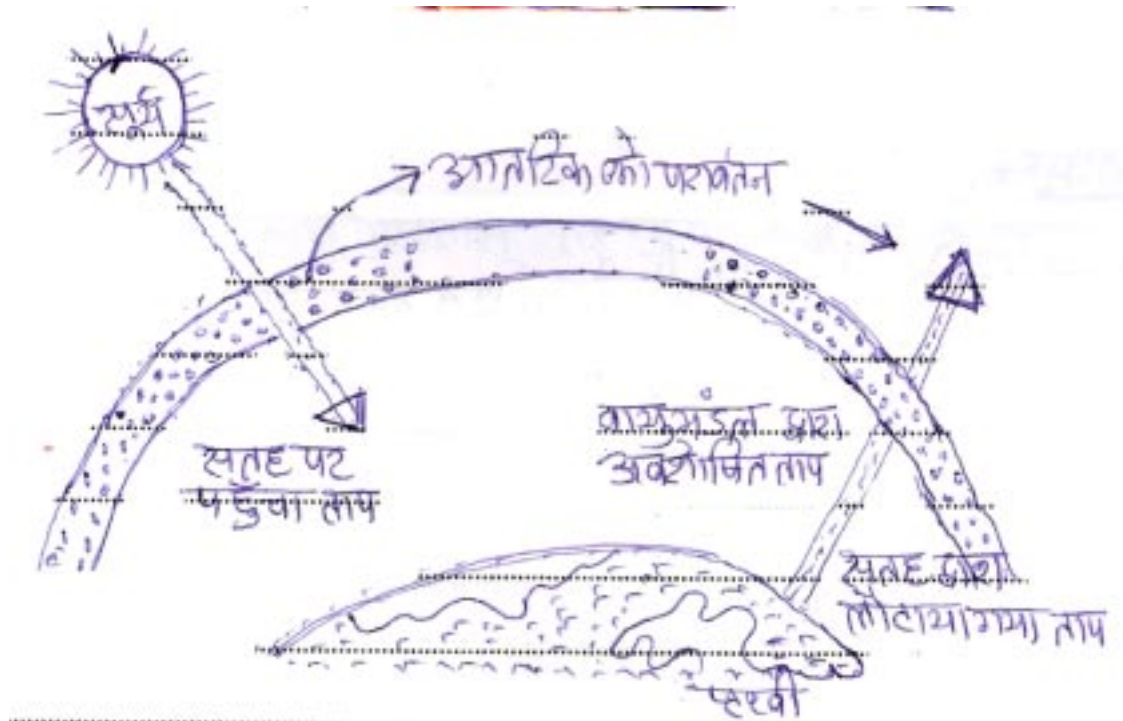
^[k.M c*

mRrj &

- (i) & ty inllk.k
- (ii) & ifjokj fu; kstu
- (iii) & 80 ifr'kr
- (iv) & dLrjh ex
- (v) & 64

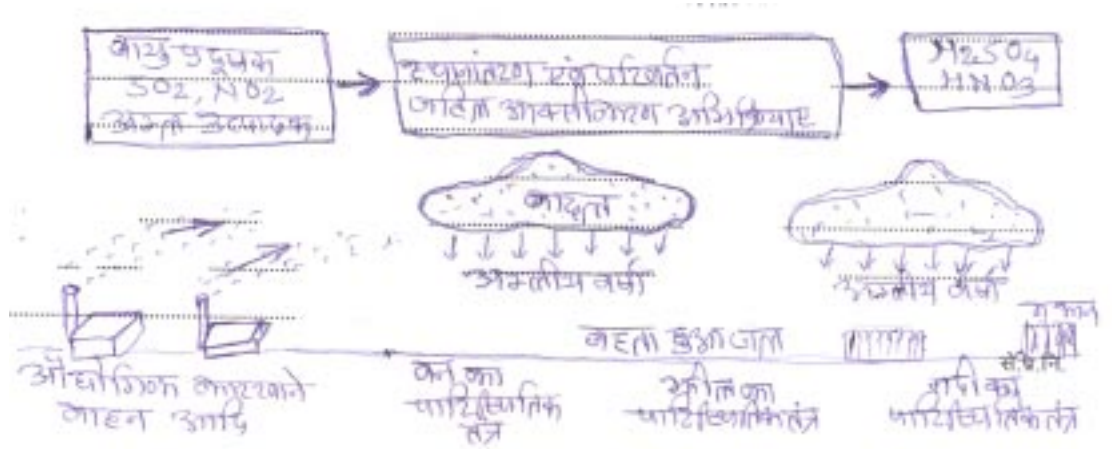
- mRrj 2& rkykckadks i Ddk bl fy, cukuk pkfg, ftl l svf/kd ty dk l p; gksl dsA
 - mRrj 3& c&k vkfnokfl ; ka ds fy, l ky o{k i w; uh; gSA
 - mRrj 4& i ; k&j.k ea vokNuh; inkFkk& dk l eko&k i ; k&j.k inllk.k dgykrk gSA
 - mRrj 5& yk&j v; Ld l sfudyk eyok Hkfe dh mo&jk 'kfDr dks de dj nr&k gSA
 - mRrj 6& feBkb& ka ea j&ka ds iz k&x l s d& j j k&x dh l Hkkouk gksr h gSA
 - mRrj 7& vksj k&xd inllk.k dks fu; f=r djus ds rhu mik; fuEufyf[kr gS &
 - 1- m | k&x eamPp dks V ds, oade inllk.kdkjh dPpseky dk mi ; k&x gksuk pkfg, A
 - 2- m | k&xkaea ngu i Øe dk mi ; k&x djusokyh b&dkb& ka ea i ; k&Rr Åph fupefu; ka dh l eqpr 0; oLFkk djuh pkfg, A
 - 3- Q&cd fQYVj ; k gkb&, ut&LØ&j mi dj.kka dk iz k&x dj /kq; l s gksus okys n&ji Hkkoka l scpk tk l drk gSA
- ¼ k vU; fu; æ.k mik; fy[kus ij vad fn; k tk; A½

- mRrj 8& ijEijkr ÅtkZL=krka dk I j{k.k fuEufyf[kr dkj .kka I s vko' ; d gS&
- 1- i ; kbj.k inlk.k dh I eL; k I scpko gsrqA
 - 2- fodkl dk; Øeka , oa [kkstka dks tkjh j [kus gsrqA
 - 3- ekuo fouk'k dks jksdus gsrqA
- $\frac{1}{4}$ k vU; I j{k.k mik; ij vad fn; k tk; A $\frac{1}{2}$
- mRrj 9& ou I j{k.k vf/kfu; e 1980 jk"V^a dsfodkl dsfy, ; fn dkbZ xj okfudh dk; Z djokrk gS $\frac{1}{4}$ tS s I Mel fuekZk] ckd fuekZk $\frac{1}{2}$ rks dN 'krkZ ds var xZ' ou {k= ds LFkkukUrj.k dsfy, I jdkj ds }kjk vuofr yus dk i ko/kku djrk gSA
- mRrj 10& 'kDdj eafeykusokys in kFkZ ds: i eadkys pus dh HkkW h] mi ; kx dh tk; i Rrh , oa di M^s/kkus ds I kM^s dk mi ; kx gsrk gSA ; k vU; feykoVh in kFkZ ds uke fyf[kus ij vad fn; s tk; a A
- mRrj 11& gfjr xg i Hkko dk vkj[k



^vFlok**

vEyh; o"kkZ & ukekfidr vkjs[k



mRrj 12& I L; korZu enk I j{k.k dk , d mik; g\$; fn enk ea iR; d o"kZ , d gh izdkj dh QI y mxkbz tk, rksenk dh mojk 'kDr I eklr gkus yxrh g\$ vr%enk dh mojk 'kDr dks cuk, j [kus ds fy, iR; d o"kZ QI ykaeafjorZu fd; k tk, rksbl s I L; korZu ; k QI y pØ dgrsgA

mngj.k& ; fn enk ea , d ckj xgji di kl] eDdk] vkyqvkfn dh QI y ckus ds ckn nh jh QI y ngyu dgy ds i k kka dh gkuh pfg,] bu i k kka dh tMka ea xkBs i kbz tkrh g\$ ftuea mi fLFkr thok.kqokrkoj.k dh ukbVktu dks Hkfe ea fLFkj dj nrk g\$ ftI I smojk 'kDr c<+tkrh gSA

^vFkok**

d.Vij Nf"ka& bl izdkj dh Nf"ka igMka dh <ykuka ij vf/kd mi ; kxh g\$ [krka ea ; k <yku okys {ks=kaea [kpsrFkk dVd cuk, tkrsg\$ ftI I si kuh bl ea: d tkrk gSA

ykhk& 1/1 1/2 ; g enk I j{k.k dh , d tfof fof/k gSA

1/2 1/2 bl eaenk dk vijnu ugha gkrk gSA

mRrj 13& NRrhI x<+i kNfrd nf"V I s [kfut I ink I soBko'kkyh jgk gSA ; g i kphure bfrgkl o I Nf"r dk I {kh jgk g\$ orZku ea N-x- jkT; }kj k ouka dks I jf{kr djus rFkml ds fpdfRI h; egRo dks tuekul rd igpkus ds fy, egRo i wkZ dk; Zfd, tk jgsgA ftI I sbl svc ykx gcZy LVV dsuke I s tkuus yxs gSA

^vFlok**

NRrhI x<+jKT; }kjk ouksdsI j{k.k , oafodkl grq?kks"kr ou uhfr fuEukuđ kj gS &

¼1½ ou {ks=ka ea Ñf" k okfudh dk; kã dks c<kok fn; k tk, xk A

½2½ jKT; dsou xteka dks jktLo xteka eacnyk tk, xk A

¾3½ jKT; dks gcÿ LVW cukus dh vo/kkj.kk dks emZ: i nsus ds fy, y?kq ouksi t vksj vksk/kh; i kãkka dks I jf{kr , oa I of/kã fd; k tk, xk A

mRrj 14& , d LFkku ij cakã cuus ds dkj.k Mnc I s i Hkkfor {ks= ds ykska ds vU; = foLFkki u dk i; kãj.k , oaykska ij fofHkuu izdkjka I s i Hkko i Mf k gSA tS &

¼1½ cflr; ka dks uohu {ks=ka ea cl kus I smudh I ka Ñfrd fojkl r u"V gks tkrh gSA

½2½ ifj; kstuk LFky dh enk] ouLi fr rFkk vU; thoka dh {kfr gks" h gSA

¾3½ foLFkfi r ifjokjka dks t gk; cl k; k tkrk gS ogk; ds i; kãj.k ij foi jhr i Hkko i Mf k gSA

¼4½ u, LFkku ij cl us ds dkj.k jkst xkj dh I eL; k gks" h gSA

^vFlok**

ekuoÑr xfrfof/k; ka ds dkj.k ykska dk i foLFkã u o i quokã u fuEu dkj.kka I s gks I drk gS &

¼1½ ; q) dky ds I e; I hekortz xkãka I s ykska dks vU; = crk; k tkrk gSA

½2½ vksj kfxdhdj.k ds I e; ykska dks ml js LFkkuka ij cl k; k tkrk gSA

¾3½ jsyekx] jktekxZ cukrs I e; vf/kxfgr Hkfe es cl s ykska dks vU; = cl k; k tkrk gSA

¼4½ cakãkka ds fuekZk {ks= ea , oamI ds Mnc I s I Hkkfor i Hkkfor {ks= ds ykska dks vU; = cl k; k tkrk gSA

mRrj 15& **vPNs i ; kãj.k grqfØ; kdyki &** i ; kãj.k dks I e>u] ml ds I rgyu ml s tu mi ; kxh cukus grqnf"Vdksk ges cnyuk gksk A

i æqk fØ; kdyki &

¼1½ i Ñfr eaekuoÑr i ; kãj.k dh fLFkfr tksekuo ds nk"ski w kã ÑR; ka ds ckn jg xbZ gS ml s I j{k.k inku fd; k tk, A

- 1/2 1/2 i nllk.k jksdusdkuuuka dk l [rh l s i kyu dj kuk plfg, A
- 1/3 1/2 i ; kbj.k f'k{kk dh vko'; drk dks ykxka dks l e>k; k tk, A
- 1/4 1/2 i ; kbj.k vkpkj l fgrk dk fodkl A
- 1/5 1/2 i ; kbj.k ds {ks= ea i f'kf{kr 0; fDr; ka dh vko'; drk ij /; ku A

^vFlok**

i; kbj.k tu tixfr dk; Øe

i ; kbj.k dsifr tixfr dsfy, vud dk; Øe pyk, tk jgsgatksfuEufyf[kr gð &

1/4 1/2 i kfjflFkfrdh fodkl f'kfoj

1/2 1/2 0; k[; ku Jðkyk

1/3 1/2 i f'k{k.k dk; Øe

1/4 1/2 fQYe in'kzu

1/5 1/2 in'kzu; kj bR; kfn

l k/kj.k tu ekul dks i ; kbj.k dh fofHkuu l eL; kvka l svoxr dj k mul sgks l dus okys nqi fj.kke dh tkudkj nh tkrh gð bu dk; Øeka ds l pkyu ea 'kkl u ds l kFk Lo; a l dh l lFkkvka dh Hkh egRoi wkZ Hkfredk gksus yxh gSA

mRrj 16& **l f{klr fvli.kh&**

1/4 1/2 dPN ouLifr; k&

dPN ouLifr; kj fo'o ds Å".k rFkk mi kš.k dfVcalkh; {ks=ka dh {kkj l g okfudh i kfjflFkfrdh 0; oLFkk gS ; s cMh rknkn ea i kška vkš tho tUrqka dh , s h iztkfr; ka ds l xg.k {ks= gð tks, d yacsfodkl Øe eavki l ea l calk jgsgð vkš ftuea {kkj l gu djus dh mYys[kuh; {kerk gð ; s l eqh rVjs[kk dks flFkj djrh gS , oa l eqz }kj k gks jgs dVko l s rVcalk dh j{kk djrh gSA dPN ouLifr; kj l eps Hkkjrh; l eqz rV ij ifjff{kr egkuka Tokjh;] rkfM+ kð i'; ty] {kkjh; nynyka vkš nynyh esnkuka ea i kbZ tkrh gð ; s/kkj.kh; eRL; {ks= dk l d/kzu Hkh djrh gSou vkš i ; kbj.k ea=ky; 1987 l sdPN ouLifr l j {k.k dk; Zpy jgk gSA

1/2 1/2 i dky flkfÜk; k&

i dky flkfÜk; ka dks vaxst h ea dkjy dgk tkrk gð ftl s , d fo'kš izdkj ds

tyh; ik.kh dsfy, iz Ør fd; k tkrk gSA I epz ds vnj , d Nks/k I k ik.kh
 pwsds [kksy I sfpi dk jgrk g\$ og oghai j c<rk] budh I [; k ea yxkrkj of)
 I s I epz ds Hkrj pwsdk , d pVvku bl ik.kh dh enn I smHkj dj vkrk g\$
 pws I sfufeZ bl ik.kh vo'k\$ dks iz dky fHkFÜk dgrsg\$ Hkkjr ea iz dky fHkFÜk; ka
 ds iz [k LFky g\$ &

¼½ vMeku , oafudkckj }hi I eg

½½ y{k}hi

¾½ elukj dh [kkMh

¼½ dPN dh [kkMh

^vFlak**

¼½ vknZ Hkfe%

ns'k esa vknZ Hkfe BMsvk\$ 'kqd bykds I sydj e/; Hkkjr eadfvca'kh; ekul u'uh
 bykds vk\$ nf{k.k ds ueh okys bykds ea Qsyh gSA ; g ck<+fu; æ.k ea i Hkkoh
 g\$ vk\$ ryNV de djrh gSA ; g {k\$ 'khrd'ky ds fy, i f{k; ka vk\$ tho
 tUr'vka ds fy, 'kj.kkxkg g\$ fofHÜu iz dky dh eNfy; ka vk\$ tUr'vka ds iz tuu
 ds fy, Hkh ; g mRre {k\$ g\$ I ep'rh rQku vk\$ v/kM ds i Hkko dks I gu djus
 dh mPp {kerk bu ea gksh g\$; g I ep'rh rV j\$kk dks fLFkj djrh gSA

½½ okVj 'kM izkkyh dk egRo&

okVj 'kM iz'k ed[; : i I souk'ki .k , oa okVj 'kM ij vk/kkfjr Nf'k Hkfe ds
 fodkl ds fy, vPNs cht mojd cgrj Nf'k Hkfe] mi dj.k , oa cgrj Nf'k
 foKku fof/k; ka dk iz kx fd; k tkrk gSA 0; ki d okVj 'kM fodkl dk; Øe Nf'k
 fodkl , oa mRiknu c<kus ds fy, vf/kd i Hkkoh i) fr gSA

mRrj 17& I ep'rh i nll.k& I ep'rh i nll.k ds dkj.k I ep'rh tho&tUrqu"V gksjgsg\$A I ep'rh
 I E ink dh gkfu gksjgh gSA

I ep'rh i nll.k ds i Hkko

- (i) ufn; ka ds I kFk vkus okys i nllkd I s I ep'rh thoka dk u"V gksak A
- (ii) nll'kr eNyh dks [kkus I sekuo chekj gksjgk gSA
- (iii) I epz ea nqkZ/uko'k i v'ky; e i nkFkZ ds fj I ko I sekuo] eNfy; ka i j i HkkoA

- (iv) I eph xgjkbz ea mi fLFkr j l k; uka dk mi ; ksx vksk/kh fuekzk ea gks jgk g\$
i nllk.k l s bu inkFkk dh xqkorrk i Hkkfor gksrh gSA
- (v) I eph i nllk.k l seps dh mit de gks jgh g\$ & xgjh vkfFkd {kfr A
- (vi) ijek.kq ijh{k.k l s l eph tho j\$M; k\$kefzk l s i Hkkfor gks x, g\$ tks d\$ j
mRi fRr dk dkj.k cu x, g\$ A

^vFkok**

enk i nllk.k & enk foHku idkj ds [kfut rRok] dkcud inkFk] x\$ ka , oaty vkfn
rRokadk , d fuf'pr vuqkr eafeJ.k gsrk gSA fdl h dkj.ko'k l jpk , oa
xqkorrk l ekr gks trh g\$ bl senk i nllk.k dgrsg\$ A

enk i nllk.k ds dkj.k &

- 1/4 1/2 ou fouk'k
- 1/2 1/2 enk ea j l k; uka dk mi ; ksx
- 1/3 1/2 vksj kfxd vif'k"V
- 1/4 1/2 uxjh; vif'k"V

mRrj 18& ou izaku gsrq l jdkjh iz kl &

ouks ds l j {k.k l EclU/kh uhfrxr fn'kk&fun\$ kka ea ouka ij vkfJr 0; fDr; ka dh
baku] pkj] x\$ bejrh] ou mRi knu vksj bejrh ydMh dh vko' ; drk ekx
dks l okz/kd egRo fn; k x; k gSA

l a q r ou izcl/ku dk; De ds izq[k fl) kr fuEufyf[kr g\$ &

- 1/4 1/2 gkl gksrs gq cM\$-ou {ks= dks LFkk; h l epk; dh Hkkxhkhjh l s i q% gjk&Hkj
cuk; k tk l drk gSA
- 1/2 1/2 LFkkuh; l epk; dh ou l j {k.k vksj ou dh mRi kn drk c<teu eHkkx ysk ckgj
ds 0; fDr; ka dks ; kstuk l s vyx j [kk tk; s A

Hkkjr ea l a q r ou izcl/ku izkkyh ds varx 15000 xteou l febr; k; yxHkx
20 yk[k gDV\$ j {ks= ea u"V gks jgs ouka dk izcl/k dj jgh g\$ A

^vFkok**

Hke D; k g\$ & Hke iFoh dk og Hkkx g\$ ftl ij ge fuokl djrs g\$ i'k] i {kh] vksj l Hkh tho tUrjgrsg\$ ftl ij i M+i k\$so ouLifr mxrsg\$ A iFoh

dsvanj vud i kÑfrd l d k/ku Hkjs gðA ; g ijh i Foh dk 3@10 Hkkx gð vkð
bl sLFkye.My dgrsgðA

Hkfe ds u"V ; k nfr'kr gkus ds dkj.k &

¼1½ Hkfe {kj.k& rst o"kkz vkðkh , oarQku l sfeVVh dh Åijh l rg dñ gh fnuka
eacg tkrh gð tcf d bl dscuuseacgr vf/kd l e; yxrk gð vr%feVVh dh
j{kk djuk vko'; d gð Hkfe {kj.k ty , oarok; qnksuks l s gksrk gSA

½2½ Hkfe i nll.k.& Hkfe ds Hkkðrd jkl k; fud ; k tðod xqkkaea, d k dkbZHkh vokð{kr
ifjorZ ftl dk i Hkko euq; rFkk vU; thokaij i M+s vFkok Hkfe dh i kÑfrd
xqkorrk rFkk mi ; kðxrk u"V gks Hkfe i nll.k dgykrk gSA

mRrj 19& **ty inll.k dk tho tUrphaij i M+s okyk i Hkko&**

ty dsuf'pr Hkkðrd] jkl k; fud , oarðod xqk gksrgð tc bu xqkkaeafdl h
vU; dkj.kkal sifjorZ vk tkrk gsrFkk bl dsPHeku esa fjorZ gks tkrk gð
bl n'kk ea; g 'kq ty infr'kr ty dgykrk gSA infr'kr ty dk iÑfr ds
vU; inkFkz ij udkjRed i Hkko i M+s yxrk gSA iÑfr ea fo|eku ekuo
ftl dsfy, ty gh thou gSA bl infr'kr ty ds mi ; kx ea gStkj VkbQkbM]
Mk; fj; kj i spl , oarhfy; k jkska l si Hkkfor gks tkrk gSA dHkh&dHkh rks nfr'kr
ty ds l ou l svud izkj ds iV l æðkh fodkj Hkh mRiUu gks tkrs gðA

okgfud i nll.k dks fu; ñ=r djus ds mik;

¼1½ Mhty jsy ds batuka ds LFkku ij fo|qr pfyr jsy batuka dk mi ; kx fd; k tkuk
pkfg, A

½2½ cS/jh pfyr okguka dk vf/kdkf/kd mi ; kx fd; k tkuk pkfg, A

½3½ l hl k&jfgr i s/ky rFkk Mhty ea l q ksth inkFkz dks feyk dj okguka ea iz kx
djus l sok; q i nll.k dks de fd; k tk l drk gSA

¼4½ vR; f/kd ok; q i nll.k.kdkjh okguka ij i kcinh rFkk vU; okguka l smRiUu /kq; dk
ekudhdj.k l svf/kd Lrj gkus ij dkuuh dk; Bkgh dk i ko/kku gksuk pkfg, A

½5½ okgu fuekZk djus okyh dā fu; ka tks i nll.k inkFkz de ek=k ea mRi ftZ gksA

^vFkok**

ok; q i nll.k dk ekuo LokLF; ij i M+s okyk i Hkko

ok; qinmk.k l seuq; ds LokLF; ij cgr cjk i Hkko i Mfk gSA bl l s
'ol u&l ækh cgr l sjks tS & QOMks dk dS j] vLFtek vkSj QOMka l s
l EcfU/kr nw jsjks gks tkrsgSA ok; qeafoifjr cgr l h /kkraq/ka ds d.k vud
l sjks mRiUu djrsgSA l hl sdsd.k fo'kSk : i l sukMh e.My l sjks mRiUu
djrsgSA ukbVrstu vkDI kbM l s QOMkagn; vkSj vkj[kkadsjks] [kkqI h o l hus
ea nnZ mRiUu djrh gSA

okrkoy.k eadkcZu eksuks vkDI kbM dh mi fLFkr gkus l seuq; ds jDr ea
ghekkyks cu ds v.kq vkDI htu dh ryuk ea 200 xqk vf/kd rsth l s Co₂ ds
v.kq/ka l s tMusyxrsg ft l l s'ol u ea?kq/ u egl w gkus yxrh gSA vf/kd
l e; rd bl ifjLFkr ea jgus ij ne ?kq/ us l seR; w gks tkrh gSA

jkl k; fud xS l a U=ka rFkk ukfHkdh; i fj; kst ukvka l s ok; e.My ea
fulrkfjr gkus okys fofHku fo"ksys jkl k; fud inkFkZ vi uk nh?kZkyhu i Hkko
euq; ka ds LokLF; ij NkMfsgSA mnkj .k Lo: i 1984 dks Hkkr ea gPZHkky
xS =kl nh eafeFkkby vki kd kbus/ dsfj l ko ds dkj .k vud yks ekjsx; sFkS
tcf d bl xS ds i Hkko ds dkj .k vud xHkZrh efgykvka ds xHkZFK f'k'kq ejs
gq i Snk gq Fks A bl h izdkj fgjks'kek o ukxkl kd h ij f}rh; fo'o ; q ea
fxjk; sx; sv.kq ceka fd fofdj .kka ds i Hkko l svkt Hkh ogka cgr l sf'k'kq vi æ
rFkk ekuf l d : i l s fof{klr i Snk gksrsgSA

&&00&&

Set - C

gkbz Ldwy I VhfQdV i jh{k
High School Certificate Examination

I fiy&izu i=

SAMPLE PAPER

fo"k; % (Subject) - i ; kbj.k

d{kk % (Class) - nl oha

I e; 3 ?k.Vk (Time- 3 Hrs)

i vkkid 75 (M.M.)

(Instruction) & Vun? k½

1- I Hkh izu gy djuk vfuok; Z gSA

Attempt all the Question

2- izu Øekad 01 ea 10 v d fu/kkZjr gSA nks mi [k.M gSA [k.M ^v** ea 05 cgfodYih; izu rFkk [k.M ^c** ea 05 fjDr LFkkuka dh i firZ vFkok mfr I cdk tkfM, A iR; d izu dsfy, 1 v d vkcfVr gSA

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- izu Øekad 02 I situ Øekad 06 rd vfr y?kqRrjh; izu gSA iR; d izu ij 02 v d vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 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- izu Øekad 07 I situ Øekad 10 rd y?kqRrjh; izu gSA iR; d izu ij 03 v d vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 50 'kCn A

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

5- izu Øekad 11 I situ Øekad 14 rd y?kqRrjh; izu gSA iR; d izu ea vkrfjd fodYi gsvk iR; d izu ij 04 v d vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 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- izu Øekad 15 I situ Øekad 17 rd nh?kzmRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkj iR; d izu ij 05 vad vkafVr gSA mRrj dh vf/kdre 'kCn I hek 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- izu Øekad 18 vks 19 rd nh?kzmRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkj iR; d izu ij 06 vad vkafVr gSA mRrj dh vf/kdre 'kCn I hek 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 gh fodYi pfu, %&

Choos the correct alternative :-

- (i) 'khrdky ea if{k; ka vksj tho tUrq/ka dk 'kj.kxkg gS & 1/4 1/2
 v- dPN ouLifr; kj c- vknZ Hkfi
 l - idky fhkFRr; kj n- buea l s dkbZ ugha

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

- (a) Mangrove Vegetation (b) Dry land
 (c) Coral reefs (d) None of the above

- (ii) Hkkjr ea tS e.My ikj{k.k dh dY l [; k gS & 1/4 1/2
 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) jSM; kskehZ i nkFkZ ds fo[k.Mu l s fuEu i klr ugha gsrk & 1/4 1/2
 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) /kt/k , oa dksjs dk Nk; k jguk gsrk gS & 1/4 1/2
 v- ty inlk.k ds dkj.k c- ok; q inlk.k ds dkj.k
 l - jSM; ks fDVo inlk.k ds dkj.k n- buea l s dkbZ ughaA

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; p.Myh; i dki ugha gS & 1/4 1/2
 v- HkclEi c- ck<+

l - l v[kk n- pØokr

It is not an atmospheric disaster-

- (a) Earthquake (b) Floods
(c) Drought (d) Cyclone

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

fjDr LFku dh i frZ dhft, &

Fill in the blanks-

- (i) dy dj [kkuka ea ----- ; U= yxkuk pkfg, A 1/4 1/2
..... equipment must be used in factories.
- (ii) Hkkjr ea ifro"kl ----- dscjkj tul [; k c<Fh gSA 1/4 1/2
Every year India has increase in population by a size of
- (iii) gfjr xg i Hkko ea N₂O dk ; kxnku ----- gSA 1/4 1/2
The contribution of N₂O in the green house effect is
- (iv) fpi dks vknsyu dh 'kq vkr l u~----- bZ ea gØZ A 1/4 1/2
Chipko movement was started in the year
- (v) ikfjLFkfrdh fodkl f'kfoj dk mnas; ----- dk i ; kØj.k l [kkj ea l fØ; 1/4 1/2
l g; kx ysuk gSA
The aim of Eco-development camp is to make active participation of
in environment improvement.

izu 2& N"kd dks QI y eafdrus ikuh dh vko'; drk g\$ bl dh tkudkj h D; ka gksuh 1/2 1/2
pkfg, A
Why should farmers have a knowledge of how much water is required for the
Crop?

izu 3& jrutkr i ksk l s NRrhl x<+eafdl inkFkZ dk fuekZk fd; k tk jgk gS\ 1/2 1/2
What is produced from Jatropha in Chhattisgarh?

izu 4& rkck v; Ld mR[kuu l sfudyk eyok Hkfe ij D; k i Hkko Mkyrk gS\ 1/2 1/2
What is the effect of the waste obtained during extraction of copper on soil?

izu 5& /ofu inkk.k D; k gS\ 1/2 1/2
What is noise pollution?

izu 6& [kk | rny eaifrcfU/kr jax dh feykoV I sfdI jksx dsmRi uu gksusdh I Hkkouk jgrh gS \ 1/2 1/2

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

izu 7& okgfud inll.k dksfu; fir djus ds dkbZ rhu mik; fyf[k, A 1/4 \$1\$1 1/2

Write any three measures of controlling of vehicular pollution ?

izu 8& gkbMkst u ds bZku ds : i esa iz kx dks c<kok nus ds fy, D; k iz kl fd; s tk jgs gS \ 1/3 1/2

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

izu 9& I dVxLr tho iztkfr; ka ds fy, ol; tho 1/4 j {k.k 1/2 vf/kfu; e 1972 dk D; k egRo gS \ 1/3 1/2

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

izu 10& fdllgh rhu el kyka ds uke , oa muea feykoV fd; s tkus okys in kFkkZ ds uke fyf[k, A 1/3 1/2

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

izu 11& NRrhl x<+dks gcY LVV jkT; D; ka ?kks"kr fd; k x; k \ 1/4 1/2

Why is Chhattisgarh declared as harbal State ?

^vFkok OR**

NRrhl x<+jkT; }kj k ?kks"kr ou ulfr D; k gS \ 1/4 1/2

What is the forest policy declared by Chhattisgarh state ?

izu 12& , d LFkku ij ck/k cuus ds dkj .k Mrc I s i Hkkfor {ks= ds ykxka ds vU; = foLFkki u , oa i ; kbj .k ij i Mrc okys pkj dkj .kka dks fyf[k, A 1/4 1/2

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

^vFkok OR**

ekuoNr xfrfof/k; ka ds dkj .k ykxka dk i qLFkki u o i qokl u ds pkj dkj .kka dks fyf[k, A 1/4 1/2

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

izu 13& gfjr xg i lkkko dk ukekfidr vkjs[k cukb, A 1/2\$2 1/2
 Draw a labelled ray diagram of green house effect.

^VFkok OR**

vEyh; o"kkZ dk ukekfidr vkjs[k cukb, A 1/2\$2 1/2
 Draw a labelled ray diagram of acid rain fall.

izu 14& I L; korZu D; k gS\ bl I senk dks D; k ykHk gS\ 1/2 1/2
 What is crop rotation ? How is it beneficial for soil ?

^VFkok OR**

d.Vj Nf"k I sD; k I e>rs gS\ bl I senk dks D; k ykHk gS\ 1/2\$2 1/2
 What do you understand by contour cultivation ? How is it beneficial for soil?

izu 15& I eqh inll.k D; k gS\ I eqks ds 0; ki d : i I sinf"kr djus okys dkj dka dk
 o.kZ dhft, A 1/4 \$4 1/2

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

^VFkok OR**

enk inll.k D; k gS\ enk inll.k ds ekuah; dkj .kka dk o.kZ dhft, A 1/4 \$4 1/2
 What is soil pollution ? Describe the anthropogenic causes of soil pollution.

izu 16& vPNs i ; kbj.k gsrq dks & dks I s f0; k dyki djus pkfg, \ I f{klr ea o.kZ
 dhft, A 1/5 1/2

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

^VFkok OR**

i ; kbj.k tutkxfr dk; De dks & dks I sgS\ i R; d dk o.kZ dhft, A 1/2 \$3 1/2
 What are the programmes of public awareness for environment ? Describe each in brief.

izu 17& fuEu ij I f{klr Vhli .kh fyf[k, & (2 1/2+2 1/2)

1/4 1/2 dPN ouLi fr; kj 1/2 1/2 i ckyfHkfrRr; kj

Write short notes on :-

- (1) Mangrove Vegetation
- (2) Coral Reefs.

^VFkok OR**

fuEu ij I f{klr fVli .kh fyf[k, & (2½+2½)

¼½ vknz Hkrie ½½ okVj'kM iZU/k dk egRo

Write short notes on :-

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

izu 18& ou iZU/k grqD; k&D; k I jdkjh iz kl fd; stk jgsg\ iR; d dk I f{klr o.kZ dhft, A ½½

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

^VFkok OR**

Hkrie D; k gS\ Hkrie dsu"V vFkok nfr'kr gksus dskj .kka dksfyf[k, A bl dscpko dsD; 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 ?

izu 19& ty inlk.k dk tho&turyka ij D; k iHkko iMfk gS\ ty inlk.k fu; .k ds mik; fyf[k, A ½\$4½

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

^VFkok OR**

ok; qi nllk.k dk ekuo LokLF; ij D; k iHkko iMfk gS\ okgfud ok; qi nllk.k dks fu; i=r djus ds mik; fyf[k, A ½\$3½

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

&&00&&

^l ei y mRrj**

[k.M & ^v*

mRrj &

- (i) c & vknz Hkfe
- (ii) l & 14
- (iii) n & e & fdj.k
- (iv) c & ok; q i nllk.k ds dkj.k
- (v) v & Hkclá

^[k.M c*

mRrj &

- (i) & i nllkd fu; æd
- (ii) & vkLVfy; k nsk
- (iii) & 6 i fr'kr
- (iv) & 1973
- (v) & ; øk oxl

mRrj 2& Ñ"kd dks QI y eafdrus i kuh dh vko'; drk gS; g tkudkj h gksuk bl fy, vko'; d gSftl l sog i kuh dk nq i; kx jkd l dsA

mRrj 3& jrutkr i kskl sNRhl x<+eaouLifr rsy l sck; ksMhty dk fuelZk fd; k tk jgk gSA

mRrj 4& rkck v; Ld mR[kuu l sfudyk eyck o"kkZky eanij & nij rd QSydj l i dZea vk; h enk dks i nll'kr dj ml dh mojk 'kfdR de dj nrk gSA

mRrj 5& og vokñNr vakt ftl l sd kuka eannzo d"V gk\$ /ofu i nllk.k dgykrk gSA ; k vU; ij Hkh vad fn; k tk; sk A

mRrj 6& [kk | rsy ea ifrcñ/kr jx dh feykoV l sdñ j jksx mRiUu gksus dh l Hkkouk gksh gSA

mRrj 7& okgfud i nllk.k fu; æ.k ds mik; fuEufyf[kr gñ & ¼½ cS/jh pfyr okguka dk vf/kdkf/kd mi ; kx A

- 1/2 1/2 fo | r p f y r j s y b a t u k a d k m i ; k s x A
- 1/3 1/2 i s / r s y ; e i n k f k k z e a l a k s t h i n k f k k z d k s f e y k d j i z k s x A
; k v l ; f y [k u s i j v a d f n ; k t k ; s x k A
- mRrj 8& g k b M k s t u d s b z k u d s : i e a c < k o k n u s d s f y , e k u u h ; m P p r e U ; k ; k y ; d h
i g y i j c n g l s o k g u k a d k s p y k u s d k s v f u o k ; z f d ; k x ; k g s A
- mRrj 9& l a d v x l r t h o i z t k f r ; k a d s f y , o l ; t h o 1/4 j { k . k 1/2 v f / k f u ; e 1972 d s v r x z
Ñ f " k m | k s x u x j h d j . k , o a v k s j k s x h d j . k l s o l ; t h o v k o k l d k s l j f { k r d j u s
d k i k o / k k u g s A
- mRrj 10& e l k y s d k u k e f e y k o v h i n k f k z
- 1/4 1/2 f i l h / k f u ; k & l v k p z y m h d k c j k n k
- 1/2 1/2 f i l h f e p z & j a x f d ; k g p k c j k n k b v d k p j k
- 1/3 1/2 d k y h f e p z & i i h r s d s l v [k s c h t
- mRrj 11& N R r h l x < + i k Ñ f r d n f " v l s [k f u t l i n k l s o b k o ' k k y h j g k g s A ; g i k p h u r e
b f r g k l o l Ñ f r d k l k { k h j g k g s } o r z e k u e a n - x - j k t ; } k j k o u k a d k s l j f { k r
d j u s r f k k m l d s p f d r l h ; e g r o d k s t u e k u l r d i g p k u s d s f y , e g r o i w k z
d k ; z f d , t k j g s g s A f t l l s b l s v c y k s x g c z y l v v d s u k e l s t k u u s y x s
g s A

^vFkok**

- N R r h l x < + j k t ; } k j k o u k s d s l j { k . k , o a f o d k l g s q ? k k s " k r o u u h f r f u E u k u d k j
g s &
- 1/4 1/2 o u { k s = k a e a Ñ f " k o k f u d h d k ; k z d k s c < k o k f n ; k t k , x k A
- 1/2 1/2 j k t ; d s o u x t e k a d k s j k t l o x t e k a e a c n y k t k , x k A
- 1/3 1/2 j k t ; d k s g c z y l v v c u k u s d h v o / k k j . k k d k s e i r z : i n s u s d s f y , y ? k q o u k i t
v k s j v k s k / k h ; i k s k k a d k s l j f { k r , o a l a f / k z r f d ; k t k , x k A
- mRrj 12& , d l f k k u i j c k a k c u u s d s d k j . k M r c l s i k k k f o r { k s = d s y k s k a d s v l ; =
f o l f k k i u d k i ; k z j . k , o a y k s k a i j f o f h k l u i z d k j k a l s i k k k o i M r k g s A t s &
- 1/4 1/2 c f l r ; k a d k s u o h u { k s = k a e a c l k u s l s m u d h l k a Ñ f r d f o j k l r u " v g k s t k r h g s A
- 1/2 1/2 i f j ; k s t u k l f k y d h e n k j o u l i f r r f k k v l ; t h o k a d h { k f r g k s h g s A

1/3 1/2 foLFkfi r i fjokjka dks t gk; cl k; k tkrk g\$ ogk; ds i ; kbj .k ij foi jhr i Hkko i Mfk gSA

1/4 1/2 u, LFkku ij cl us ds dkj .k jkst xkj dh l eL; k gksh gSA

^vFlk**

ekuoNr xfrfof/k; ka ds dkj .k ykxka dk i qLFkka u o i qokk u fuEu dkj .kka l s gks l drk gS &

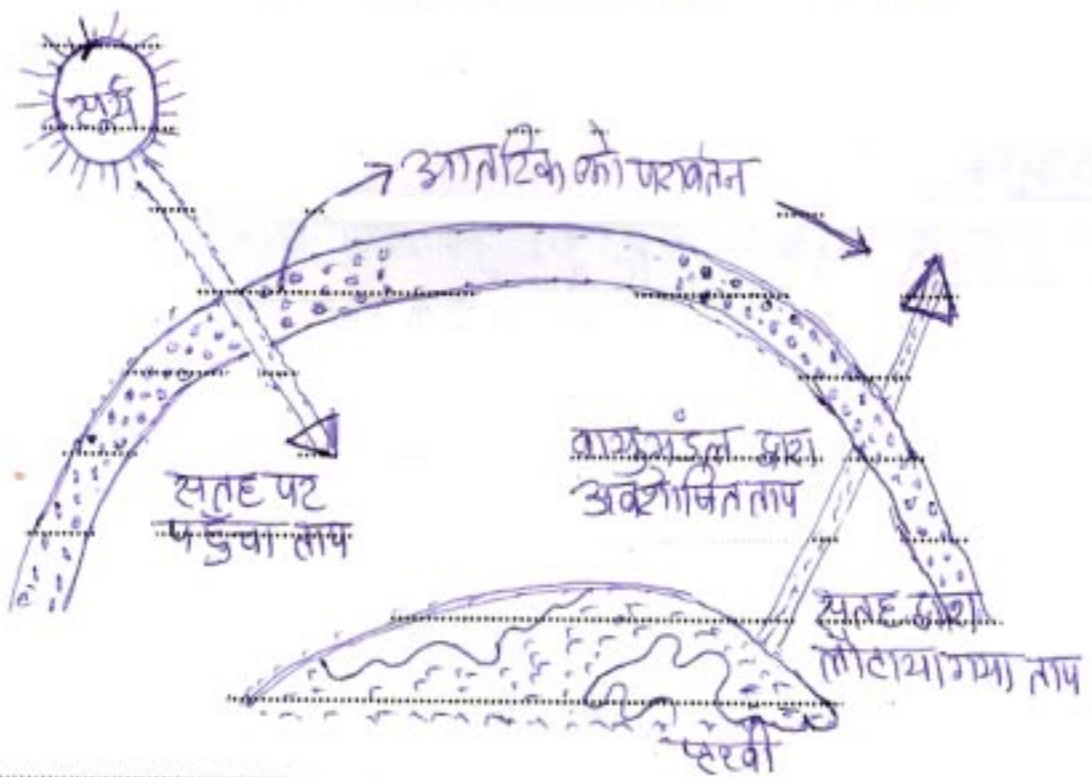
1/4 1/2 ; q) dky ds l e; l hekorhZ xkoka l s ykxka dks vU; = crk; k tkrk gSA

1/2 1/2 vksj kfxdhj .k ds l e; ykxka dks nh js LFkkuka ij cl k; k tkrk gSA

1/3 1/2 jyekxZ jktekxZ cukrs l e; vf/kxfgr Hkfe es cl s ykxka dks vU; = cl k; k tkrk gSA

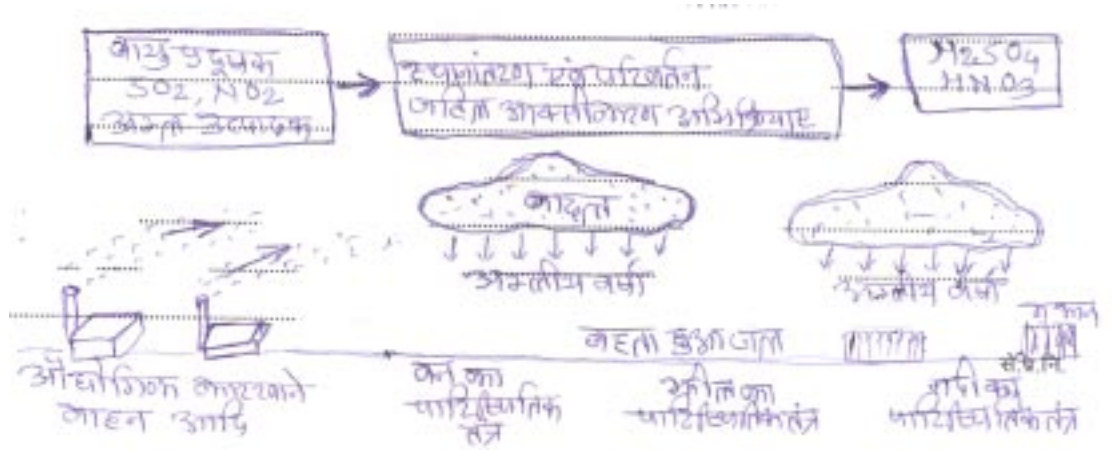
1/4 1/2 cka kka ds fuekZ k {ks= ea, oam l ds Mnc l s l Hkfor i Hkfor {ks= ds ykxka dks vU; = cl k; k tkrk gSA

mRrj 13& gfjr xg i Hkko dk vkj[k



^vFkok**

vEyh; o"klz & ukefdr vkjs[k



mRrj 14& I L; korZu enk I j{k.k dk , d mik; g\$; fn enk ea iR; d o"klz , d gh izdkj dh QI y mxkbz tk, rksenk dh mojk 'kDr I eklr gks yxrh g\$ vr%enk dh mojk 'kDr dks cuk, j [kus ds fy, iR; d o"klz QI ykaeafjorZu fd; k tk, rksbl sl L; korZu ; k QI y pØ dgrsgA

mngkj.k& ; fn enk ea , d ckj xgji di kl] eDdk] vkyqvkfn dh QI y cksus ds ckn nh jh QI y ngyu dgy ds ikska dh gksuh pkfg,] bu ikska dh tMka ea xkBs i kbz tkrh g\$ ftuea mi fLFkr thok.k qokrkoj.k dh ukbVktu dks Hkfe ea fLFkj dj nrk g\$ ftI l smojk 'kDr c<+tkrh gSA

^vFkok**

d.vj Nfka bl izdkj dh Nfka igMka dh <ykuka ij vf/kd mi ; kxh g\$ [krka ea ; k <yku okys {ks=kaea [kpsrFkk dVd cuk, tkrsg\$ ftI l si kuh bl ea: d tkrk gSA

ykhk& 1/1 1/2 ; g enk I j{k.k dh , d tfod fof/k gSA

1/2 1/2 bl eaenk dk vijnu ughagkrk gSA

mRrj 15& I eph inkk.k& I eph inkk.k ds dkj.k I eph tho&tUrqu"V gks jgs gA A I eph I E ink dh gkfu gks jgh gSA

I eph inkk.k ds ilko

(i) ufn; ka ds l kFk vkus okys inkkd l sl eph thoka dk u"V gksuk A

- (ii) nfr'kr eNyh dks [kkus l sekuo chekj gks jgk gSA
- (iii) l epz ea nqkz/uko'k i s/rky; e inkFkz dsfj l ko l sekuo] eNfy; ka i j i HkkoA
- (iv) l epz xgjkz ea mi fLFkr j l k; uka dk mi ; ksx vksk/kh fuekz k ea gks jgk g\$ i nll.k l sbu inkFkz dh xqkoRrk i Hkfor gks h gSA
- (v) l epz i nll.k l seps dh mit de gks jgh g\$ & xgjh vkfFkd {kfr A
- (vi) i jek.kq ijh{k.k l sl epz tho jSM; kskfez k l s i Hkfor gks x, g\$ tks d j mRi fRr dk dkj.k cu x, g\$ A

^vFkok**

enk i nll.k & enk foHku idkj ds [kfut rRok] dkcud inkFkz x\$ ka , oaty vkfn rRokadk , d fuf'pr vuqkr eafeJ.k gsrk gSA fdl h dkj.ko'k l jpk , oa xqkoRrk l ektr gks tkrh g\$ bl senk i nll.k dgrsg\$ A

enk i nll.k ds dkj.k &

- 1/1 1/2 ou fouk'k
- 1/2 1/2 enk ea j l k; uka dk mi ; ksx
- 1/3 1/2 vksj kfxd vif'k"V
- 1/4 1/2 uxjh; vif'k"V

mRrj 16& **VPNs i ; kbj.k grqfØ; kdyki &** i ; kbj.k dks l e>u\$ ml ds l rgyu ml s tu mi ; ksxh cukus grqnf"Vdksk ges cnyuk gksk A

i æ[k fØ; kdyki &

- 1/1 1/2 i Ñfr eaekuÑr i ; kbj.k dh fLFkr tksekuo ds nkski w k z ÑR; ka dsckn jg xbz g\$ ml s l j {k.k inku fd; k tk, A
- 1/2 1/2 i nll.k jksdus dkuuka dk l [rh l s i kyu djuk plfg, A
- 1/3 1/2 i ; kbj.k f'k{k dh vko' ; drk dks ykxka dks l e>k; k tk, A
- 1/4 1/2 i ; kbj.k vkpkj l fgrk dk fodkl A
- 1/5 1/2 i ; kbj.k ds {ks= ea i f'kf{kr 0; fDr; ka dh vko' ; drk ij /; ku A

^vFkok**

i ; kbj.k tu tkxfr dk; Øe

i ; kbj.k dsifr tkxfr dsfy, vud dk; Øe pyk, tk jgsg\$ tksfuEufyf[kr g\$ &

¼½ i kfjLFkfrdh fodkl f'kfoj

½½ 0; k[; ku Jākyk

⅓½ i f'k{k.k dk; Øe

¼½ fQYe in'kū

½½ in'kū; k; bR; kfn

I k/kkj.k tu ekul dks i; kbj.k dh fofHklu I eL; kvkaI svoxr dj k mul sgks
I dus okys nqi fj.kke dh tkudkj h nh tkrh g\$ bu dk; Øeka ds I pkyu ea
'kkl u ds I kFk Lo; a I dh I LFkkvka dh Hkh egRoi wkZ Hkfredk gksus yxh gSA

mRrj 17& I f{klr fvli.kh&

¼½ dPN ouLifr; k&

dPN ouLifr; k; fo'o ds Å".k rFkk mi k\$.k dVcākh; {ks=ka dh {kkj I g okfudh
i kfjLFkfrdh 0; oLFkk g\$; s cMh rknkn ea i k\$ka vk\$ tho tUrq/ka dh , s h
iztkfr; ka ds I xg.k {ks= g\$ tks, d yāsfodkl Øe eavki I ea I cāk jgsg\$ vk\$
ftuea {kkj I gu djus dh mYy[kuh; {kerk g\$; s I enq rVj\$kk dks fLFkj
djr h g\$, oa I enq }kj k gks jgs dVko I s rVcāk dh j{kk djrh g\$ A dPN
ouLifr; k; I eps Hkkjrh; I enq rV ij ifjff{kr egkuka Tokjh;] rkfM+ k; i '
ty] {kkjh; nynyka vk\$ nynyh e\$nkuka ea i kbZ tkrh g\$; s/kkj.kh; eRL; {ks=
dk I d/kū Hkh djrh gSou vk\$ i; kbj.k ea-ky; 1987 I sdPN ouLifr I j{k.k
dk; Zpy jgk g\$ A

½½ i dky fhkfūk; k&

i dky fhkfūk; ka dks vaxsth ea dkjy dgk tkrk g\$ ftl s , d fo'k\$ i dky ds
tyh; i k.kh dsfy, iz Ør fd; k tkrk g\$ A I enq ds vnj , d Nk\$ k I k i k.kh
pus ds [kky I sspi dk jgrk g\$ og oghai j c<rk] budh I ā; k ea yxkrkj of)
I s I enq ds Hkhrj pus dk , d pVvku bl i k.kh dh enn I smHkj dj vkrk g\$
pus I sfufeZ bl i k.kh vo'k\$ dks i dky fhkfūk dgrsg\$ Hkkj r ea i dky fhkfūk; ka
ds i cāk LFky g\$ &

¼½ vMeku , oafudkckj }hi I enq

½½ y{k}hi

1/3 1/2 eUukj dh [kkMh

1/4 1/2 dPN dh [kkMh

^vFkok**

1/1 1/2 vknz Hkfe%

nsk esavknzHkfe BMsvkš 'ktd bykdsI sydj e/; Hkkjr eadfvcałk; ekul wuh bykds vkš nf{k.k ds ueh okys bykds ea QSyh gSA ; g ck<+fu; æ.k ea i Hkkoh gš vkš ryNV de djrh gSA ; g {ks= 'khrdky ds fy, if{k; ka vkš tho tUrpkadsfy, 'kj.kkxkg gš fofHku i djk dh eNfy; kavkš tUrpkadsiztuu dsfy, Hkh ; g mRre {ks= gš I enh rQku vkš v/kM ds i Hkko dks I gu djus dh mPp {kerk bueagksh gš ; g I enh rV jškk dks fLFkj djrh gSA

1/2 1/2 okVj 'kM izkkyh dk egRo&

okVj 'kM izak eq; : i I soukiki .k , oaokVj 'kM ij vk/kfjr Ñf"K Hkfe ds fodkl dsfy, vPNs cht mojd cgrj Ñf"K Hkfe] mi dj.k , oa cgrj Ñf"K foKku fof/k; kadk iz kx fd; k tkrk gSA 0; ki d okVj 'kM fodkl dk; Øe Ñf"K fodkl , oamRi knu c<kus dsfy, vf/kd i Hkkoh i) fr gSA

mRrj 18& ou izaku gsqI jdkjh iz kl &

ouks ds I j {k.k I EclU/kh uhfrxr fn'kk&funž kka ea ouka ij vkfJr 0; fDr; ka dh bžku] pkj] xš bekjrh] ou mRi knu vkš bekjrh ydMh dh vko' ; drk ekx dks I okz/kd egRo fn; k x; k gSA

I a Ør ou izlU/ku dk; Øe ds izak fl) kar fuEufyf[kr gS&

1/1 1/2 gkl gksrs gq cMš-ou {ks= dks Lfkk; h I enk; dh Hkkxhnhjh I s i q% gjk&Hkj k cuk; k tk I drk gSA

1/2 1/2 Lfkkuh; I enk; dh ou I j {k.k vkš ou dh mRi kn drk c<ku sea Hkkx ysuk ckgj ds 0; fDr; ka dks ; kstuk I s vyx j [kk tk; s A

Hkkjr ea I a Ør ou izlU/ku izkkyh ds varxž 15000 xteou I febr; k; yxHkx 20 yk[k gDVš j {ks= ea u"V gks jgs ouka dk izlU/k dj jgh gSA

^vFkok**

Hkfe D; k gS & Hkfe iFoh dk og Hkkx gš ftI ij ge fuokl djrs gš i'kj

i {kh} vks | Hkh tho tUrjgrsgftl ij iM+iKksouLifr mxrsgSA iFoh
dsvnj vud i kNfrd l d k/ku Hkjs gSA ; g ijh iFoh dk 3@10 Hkx gS vks
bl sLFkye.My dgrsgA

Hkfe ds u"V ; k nfr gkus ds dkj.k &

1/4 1/2 Hkfe {kj.k& rst o"kk} vkdkh , oarQku l sfeVvh dh Ajh l rg dN gh fnuka
eacg tkrh gS tcf d bl dscuuseacgr vf/kd l e; yxrk gS vr%feVvh dh
j{kk djuk vko'; d gS Hkfe {kj.k ty , oarok; qnksuks l sgrk gSA

1/2 1/2 Hkfe inlk.k& Hkfe dsHkkrd jkl k; fud ; k tSod xqkkaea, d k dkbZHkh vokf{kr
ifjorZ ftl dk iHko euq; rFkk vU; thokaij iM+VFok Hkfe dh iNfrd
xqkorrk rFkk mi ; kSxrk u"V gks Hkfe inlk.k dgykrk gSA

mRrj 19&

ty inlk.k dk tho tUrjka ij iM+us okyk iHko&

ty dsfuf'pr Hkkrd] jkl k; fud , oarTod xqk gksrgS tc bu xqkkaeafdl h
vU; dkj.kkal sifjorZ vk tkrk gSrFkk bl dsPHeku esa fjorZ gks tkrk gA
bl n'kk ea; g 'kq) ty infr'kr ty dgykrk gSA infr'kr ty dk iNfr ds
vU; inkFkkZ ij udkjRed iHko iM+us yxrk gSA iNfr eafo|eku ekuo
ftl dsfy, ty gh thou gSA bl infr'kr ty ds mi ; kx ea gStkj VkbQkbM]
Mk; fj ; kj i spl , oarhfy; k jkska l siHkfor gks tkrk gSA dHk&dHk rks nfr'kr
ty ds l ou l svud izdkj ds iV l adkh fodkj Hkh mRiUu gks tkrs gSA

okgfud inlk.k dks fu; f=r djus ds mik;

1/4 1/2 Mhty jsy dsbatuka dsLFkku ij fo|r pfyr jsy batuka dk mi ; kx fd; k tkuk
pkfg, A

1/2 1/2 cS/jh pfyr okguka dk vf/kdkf/kd mi ; kx fd; k tkuk pkfg, A

1/3 1/2 l hl k&jfgr i s/ky rFkk Mhty ea l q ksth inkFkkZ dks feyk dj okguka ea iz kx
djus l sok; q inlk.k dks de fd; k tk l drk gSA

1/4 1/2 vR; f/kd ok; q inlk.k dkjh okguka ij i kcinh rFkk vU; okguka l smRiUu /kq; dk
ekudhdj.k l svf/kd Lrj gkus ij dkunh dk; Bkgh dk i ko/kku gksuk pkfg, A

1/5 1/2 okgu fuekZk djus okyh da fu; ka tks inlk.k inkFkZ de ek=k ea mRi ftZ gksA

^vFkok**

ok; q inkk.k dk ekuo LokLF; ij iMæs okyk iHkko

ok; q inkk.k l seuq; ds LokLF; ij cgr cjk iHkko iMÆk gSA bl l s
'ol u&l ækh cgr l sjks tS & QOMks dk dS j] vLFtek vkSj QOMka l s
l EcfU/kr nll sjks gks tkrsgA ok; qeafoifjr cgr l h /kkq/ka ds d.k vud
l sjks mRiUu djrsgA l hl sdsd.k fo'kSk : i l sukMh e.My l sjks mRiUu
djrsgA ukbVktu vkDI kbM l sQOMkagn; vkSj vkj[kkadsjks] [kkj h o l hus
eannZmRiUu djrh gSA

okrkj.k eadkcZi eksuksvkDI kbM dh miLFkr gkus l seuq; ds jDr ea
ghekkyksu ds v.kq vkDI htu dh ryuk ea 200 xqk vf/kd rsth l s Co₂ ds
v.kq/ka l s tMusyxrsg ft l l s'ol u ea?kq/uegl w gkus yxrh gSA vf/kd
l e; rd bl ifjLFkr eajgus ij ne ?kq/us l seR; w gks tkrh gSA

jkl k; fud xS l a U=ka rFkk ukfHkdh; i fj; kst ukvka l s ok; e.My ea
fulrkfjr gkus okys fofHkUu fo"ksys jkl k; fud inFkZ vi uk nh?kZkyhu iHkko
euq; ka ds LokLF; ij NkM-rsgA mnkgj.k Lo: i 1984 dks Hkkr ea gPZHkki ky
xS =kl nh eafeFkkby vki kl kbus/ dsfj l ko ds dkj.k vud yks ekjsx; sFkS
tcf d bl xS ds iHkko ds dkj.k vud xHkZrh efgykvka ds xHkZFk f'k'kq ejs
gq iSnk gq Fks A bl h izdkj fgjks'kek o ukxkl kd h ij f}rh; fo'o ; q ea
fxjk; sx; sv.kq ceka fd fofdj.k ka ds iHkko l svkt Hkh ogka cgr l sf'k'kq vi æ
rFkk ekuf l d : i l sfof{klr iSnk gksrsgA

&&00&&