छत्तीसगढ़ माध्यमिक शिक्षा मण्डल, रायपुर

# lEiy&i'u i=

## d{kk xii oh

## i;koj.k

¼fo|kfpr iHkkx½

NÙkhlx< ek/;fed f'k{kk e.My] jk;ij

# i'u & i= dh ;ktuk

## Scheme of Question Paper

fo"k;%& i;koj.k

i.kkd % 75

le; % 3 ?kV

ijh{kk % gk;j ld.Mjh

### ¼v½ 'k{kf.kd mnn';ksa d vuqlkj eku

**(A) Weightage as per Educational objective:**

| lo Ø0 | mnn';ksa | | vad | izfr'kr |
|---|---|---|---|---|
| 1- | Kku (Knowledge) | | 22 | 30% |
| 2- | vocks/k (Understanding) | | 38 | 50% |
| 3- | vuqi;ksx ,oa dk'ky (Application & Skill) | | 15 | 20% |
| | | ;ksx | 75 | 100% |

### ¼c½ bdkbokj vadksa dk eku

| lo Ø0 | bdkbZ dk uke | bdkbZ ij vkcafVr vad | i'u&i= d ik:i vuqlkj vkcafVr vad |
|---|---|---|---|
| 1- | to fofo/krk dh vo/kkj.kk ,oa idkj | 10 | 1$2$3$4 ¾ 10 |
| 2- | to fofo/krk dh ikfjfLFkfrd Hkfedk | 10 | 1$1$3$5 ¾ 10 |
| 3- | to fofo/krk dk lj{k.k | 05 | 1 $ 4 ¾ 5 |
| 4- | i;koj.k icU/ku | 10 | 1$3$6 ¾ 10 |
| 5- | i;koj.k icU/ku d mikxeu | 05 | 1$4 ¾ 5 |
| 6- | l/kkfjr @ lrr fodkl | 08 | 1$2$5 ¾ 8 |
| 7- | l/kkfjr fodkl d ennxkj vk/kkj | 07 | 1$2$4 ¾ 7 |
| 8- | l/kkfjr Ñf"k ,oa gfjrØkafr | 08 | 2$6 ¾ 8 |
| 9- | QlY lj{kk | 07 | 1$1$5 ¾ 7 |
| 10- | lefUor ihMd icU/ku | 05 | 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 ?kaVs

ijh{kk & gk;j ld.Mjh

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

**Set - A**

# gk;j ld.Mjh Ldy lVhfQdV ijh{kk

## Higher Secondary 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) - ckjgoh %12oh%** **i.kkd 75 (M.M.)**

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## (Instruction) & %fun'k%

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. 02 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 gA iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 05 vd vkcfVr gA mRrj dh vf/kdre 'kCn lhek 75 '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 75.

7- i'u Øekd 18 l i'u Øekd 19 rd nh?kmRrjh; i'u gA iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 06 vd vkcfVr gA 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&¼v½ lgh fodYi pudj fyf[k; & (1x5=5)

Write correct choice-

**(i)** lokf/kd to&fofo/krk oky n'kk e Hkkjr dh fxurh gkrh g & ¼1½

¼v½ 12ok ¼c½ 13ok

¼l½ 14ok ¼n½ 11ok

The position of INDIA among the countries with maximum Bio-Diversity

(a) 12th (b) 13th

(c) 14th (d) 11th

**(ii)** Hkkjr dk B.Mk jfxLrku fdl in'k e fLFkr g & ¼1½

¼v½ jkt LFkku ¼c½ fgekpy in'k

¼l½ tEe ,o dk'eh j ¼n½ mRrj in'k

Cold desert of india is situated in the state

(a) Rajasthan (b) Himachal Pradesh

(c) Jammu & Kashmir (d) Uttar Pradesh

**(iii)** bUnkorh ck?k ifj;kt uk fdl fty e lpkfyr g & ¼1½

¼v½ cLrj ¼c½ nrokMk

¼l½ chtkij ¼n½ dkdj

Indravati Tiger project is run in

(a) Bastar (b) Dantevada

(c) Bijapur (d) Kanker

**(iv)** ty in"k.k l dku lk jkx ugh Qyrk ¼1½

¼v½ gtk ¼c½ ihfy;k

¼l½ Mk;fj;k ¼n½ fVVul

The dieases not spread due to water pollution

(a) Cholera (b) Jaundice

(c) Diahorrea (d) Tetanus

**(v)** dUnh; in"k.k fu;U=.k ckM fLFkr g & ¼1½

¼v½ y[kuÅ ¼c½ ub fnYyh

¼l½ dkydkrk ¼n½ eEcb

Central Pollution Control Board is in

(a) Lucknow (b) New Delhi

(c) Kolkata (d) Mumbai

¼c½ fjDr LFkkuk dh ifr dhft;s & ¼1x5=5)

Fill in the blank

**(i)** ,.Vhck;kfVd nok ---------- ik/k l cukb tkrh g A ¼1½

Antibiotic medicines are obtain from ..... plants.

**(ii)** ekuo fodkl fjikV 2005 d vulkj Hkkjr dk fo'o e ----------LFkku gA ¼1½

As per the Human Development Report 2005 the position of india is ..... in the World.

**(iii)** xUu d 'kkj l ---------- ikIr gkrk g A ¼1½

..... is obtain from sugarcane juice.

**(iv)** b.MkslYQku nok dk i;kx ---------- d fu;U=.k gr fd;k tkrk g A ¼1½

Endosulphone is used for the control of .....

**(v)** tc Qly mRiknu d lkFk&lkFk i'kqikyu Hkh fd;k tkrk g rk ml ---------- [krh dgr g A ¼1½

When along with crop production animal husbandry is also practised it is called ..... farming.

i'u 2& lrr fodkl d nk egRoi.k vk;ke fyf[k, A ¼1$1½

Write the two important components of sustainable development ?

i'u 3& lix/kk ik/k l fdl jkx dh nok curh g \ ¼2½

For which dieseas is the medicine obtain from sarpgandha plant used ?

i'u 4& Qly pØ fdl dgr g \ ¼2½

What is Crop Roatation ?

i'u 5& enk ty dk ik/kk d fy, D;k egRo g \ ¼2½

What is the importance of soil water for plants ?

i'u 6& lefUor ihMd icU/kd d dkb nk mnn'; fyf[k, A ¼1$1½

Write the two objects (aims) of integrated pest management.

i'u 7& ikf.k;k dk fofHkUu R;kgkjk l lEcfU/kr dju dk D;k mnn'; g A ¼3½

What is the aims in relating different animals with festivals.

i'u 8& {k;'khy mi;kx eY; fdl dgr g \ mnkgj.k }kjk Li"V dhft, A ¼2+1½

What is the degradable consumption value? Explain with one example.

i'u 9& Bkl vif'k"Vk d fuLrkj.k d dkb rhu mik; fyf[k, A ¼1$1$1½

Write any three ways of disposal of solid wastes.

i'u 10& vukt HkMkju d le; Hk.Mkjxgk e D;k&D;k lko/kkfu;k j[kuh pkfg, \ ¼3½

What are the precautions that should be taken during the storage of grains ?

i'u 11& ekuo d vfLrRo gr to fofo/krk vko';d g] D;k \ ¼4½

Why is Bio-Diversity important for existence of man kind ?

**^^vFkok OR**

iÑfr e lryu cuk; j[ku d fy, to&fofo/krk dk lj{k.k vko';d g] D;k \ ¼4½

Bio-Diversity conservation is important to balance natural resources,Why ?

i'u 12& jk"Vh; m|ku ij lf{kIr fVli.kh fyf[k, A ¼4½

Write short note on National Park.

**^^vFkok OR**

vH;kj.; ij lf{ki fVli.kh fyf[k, A ¼4½

Write short note on Sanctuary.

i'u 13& lpkj r= D;k g \ nj rd ln'k Hktu gr lpkj r= dk ifr:i cukb, A

What is a communication system? Draw a model for communication system for sending messages to far off places. ¼2$2½

**^^vFkok OR**

vkfFkd uhfr d fdUgh pkj ?kVdk dk o.ku dhft, A ¼1$1$1$1½

Explain any four components of economic policy.

i'u 14& lrr fodkl e ;ok dh Hkfedk dk o.ku dhft, A ¼4½

Explain the role of youths in Sustainable Development.

**^^vFkok OR**

lrr fodkl e m|kx legk dh Hkfedk dk o.ku dhft, A ¼4½

Explain the role of industrial groups in Sustainable Development.

i'u 15& fuEu ij lf{kIr fVIi.kh fyf[k, & ¼2½$2½

¼1½ foyIr itkfr;k] ¼2½ ldVkiUu tkfr;k

Write short notes on:--

(i) Extinct Species (ii) Threatened species

**^^vFkok OR**

fuEu ij lf{kIr fVIi.kh fyf[k, A ¼2½$2½

¼1½ iR;{k eY;] ¼2½ viR;{k eY;

Write short notes on:--

(i) Direct value (ii) Indirect Value

i'u 16& lrr fodkl ,o Hkfo"; d lHkkoukvk dh foopuk dhft, A ¼5½

Describe the sustainable development and future possibilities.

**^^vFkok OR**

xkeh.k icU/ku vkj lrr fodkl dh vko';drk dk fo'y"k.k dhft,A ¼5½

Analyse the need of Rural management & Sustainable development.

i'u 17& Qly pØ d dkb ikp fl)kr fyf[k, A ¼1$1$1$1$1½

Write any five principals of Crop Rotation.

**^^vFkok OR**

fefJr Qly d dkb ikp fl)kUr fyf[k, A ¼1$1$1$1$1½

Write any five principals of Mixed Cropping.

i'u 18& i;koj.k lj{k.k ,o in"k.k fu;=.k d fy, 0;fDr dk lkekftd Lrj ij D;k djuk pkfg, A ¼6½

For conservation of Environmental and Pollution control what should an individual do at social level.

**^^vFkok OR**

i;koj.k icU/ku d bfFkdy ¼ufrd½ igy ij idk'k Mkfy, A ¼6½

Explain Ethical consideration of Enviromental management.

i'u 19& gfjr Økfr d i;koj.k ij g, iHkkok dh foopuk dhft, A ¼6½

What are the main effects of green revolution on Enviroment. Explain.

**^^vFkok OR^^**

Vid flpkbZ dk ipyu D;k c< jgk gS \ le>kb, A ¼6½

Why is Drip Irrigation becoming popular. Explain.

&&00&&

## ^lEiy mRrj**

mRrj 1&¼v½

**(i)** & ¼v½ 12 ok

**(ii)** & ¼l½ tEe ,o dk'ehj

**(iii)** & ¼c½ nrokMk

**(iv)** & ¼n½ fVVul

**(v)** & ¼c½ ub fnYyh

¼c½ fjDr LFkku dh ifr

**(i)** ifuflyhu

**(ii)** 127 ok

**(iii)** ,Fkuky

**(iv)** dhVk

**(v)** fefJr

mRrj 2& lrr fodkl d vk;ke fuEufyf[kr g &

¼1½ llk/kuk dk iuh pØ.k ,o iuh mi;kx A

¼2½ llk/kuk dk de l de mi;kx A

;k vU; vk;kek ij vd fn; tk; A

mRrj 3& lix/kk ik/k l gn;k?kkr jkx dh nok curh g A

mRrj 4& ,d gh tehu ij fofHkUu idkj dh Qlyk dk odfYid vk/kkj ij mxkuk Qly pØ dgykrk g A

mRrj 5& enk ty dk ik/kk d fy, fo'k"k egRo g] D;kfd bld vHkko e cht dk vdj.k Hkh ugh gkrk] ik/k dh of) vkj Hkfe Ñf"k dk; Hkh lHko ugh gkrk A

mRrj 6& lefUor ihMd ic/ku d nk mnn'; fuEu g &

¼1½ dhVk dk ijh rjg u"V u djd budh l[;k dk vkfFkd {kfr Lrj l vf/kd u c<u nuk A

¼2½ to fofo/krk dk ljf{kr djuk ,o i;koj.k dk Hkh ljf{kr j[kuk A

mRrj 7& ikf.k;k dk fofHkUu R;kgkjk l lcf/kr dju dk mnn'; ;g g fd to fofo/krk dk lj{k.k gk ftl ekuo tkfr dk dY;k.k gk A

mRrj 8& ^^og lEink ftl LFkkuh; Lrj ij mi;kx fd;k tkrk g rFkk ftudk jk"Vh; ;k vrjk"Vh; ckt kj e mYy[k ugh gkrk {k;lhy mi;kx eY; dgr g A** mnkgj.k & txy dk bekjrh ydMh ¼lkxku] ch tk½ dk ikIr djd bldk O;kolkf;d mi;kx fd;k tkrk g ,o bll tk vkfFkd ykHk gkxk mRiknh miHkkx eY; gkxk A

mRrj 9& Bkl vif'k"Vk d fuLrkj.k d rhu mik; fuEufyf[kr g &

¼1½ Mh-Mh-Vh- dk i;kx ifrcf/kr gk A

¼2½ dM&djdV dk mi;kx fo|r mRiknu e fd;k tk; A

¼3½ iupØ.k dh ifØ;k }kjk dM dpj dk iu% mi;kx e yk;k tk ldrk g A ¼;k vU; mik; fy[ku ij vd fn; tk;½

mRrj 10& vukt HkMkj d le; HkMkjxgk e j[kh tku okyh lko/kkfu;k fuEu g &

¼1½ HkMkj xgk dh nhokjk Q'k ,o Nr dh lQkb djd pgk d fcyk] njkjk ,o VV&QV dk lheV l cn dj nuk pkfg, A

¼2½ HkMkj xgk dk HkMkj.k d io eykfFk;ku&50 blh- nok l mipkfjr djuk pkfg, A

¼3½ HkMkj xg ueh jk/kd gkuk pkfg, A

mRrj 11& ekuo d LokFkijd iÑfr l dkb Hkh vufHkK ugh g A to&fofo/krk lj{k.k e Hkh ekuo dk viuk fufgr LokFk fNik g] D;kfd fcuk viuh LokFk ifr d ekuo tkfr vU; tho tUrvk ,o ouLifr;k d lj{k.k ij tkj ugh n ldrk A ekuo tkurk g fd mldh leLr vko';drk, iR;{k vFkok viR;{k :i l to fofo/krk l tMh g] tk vuoj.k :i l viuh veY; lok, ge inku djr jg g] ; fdlh Hkh jk"V d vkfFkd] lkekftd] ikfjfLFkfrd rFkk vU; lHkh i{kk ij viuk O;kid iHkko Mkyrh g A

**^^vFkok**

iÑfr e lryu cuk; j[ku d fy, to fofo/krk dk lj{k.k fuEu dkj.kk l vko';d g &

¼1½ i;koj.k lqryu gr A

¼2½ vk"k/kh; egRo dh nf"V l A

¼3½ ekuo vfLrRo dk cuk; j[ku d fy, A ¼dkb rhu fy[ku ij½

mRrj 12& **jk"Vh; m|ku &** og ljf{kr {k= tk oU; thok dh mUufr o fodkl d fy, vkjf{kr gkrk g] rFkk ogk o{k mUeyu] pkj.k] vk[kV rFkk vU; ekuoh; fØ;kdykik ij ifrc/k jgrk g] jk"Vh; m|ku dgykrk g A

**Hkkjr d ie[k jk"Vh; m|ku &**

¼1½ dkcV jk"Vh; m|ku & mÙkjk[k.M

¼2½ lUnjou jk"Vh; m|ku & if'pe cxky

¼3½ fxj jk"Vh; m|ku & xtjkr

¼4½ ck/kox< jk"Vh; m|ku & e/;in'k

¼5½ n/kkok jk"Vh; m|ku & mRrj in'k

¼6½ dkxj ?kkVh jk"Vh; m|ku & NRrhlx<

^^vFkok**

**vH;kj.;&** ,lk {k= ;k 'kj.k LFky tk oU; thok d cpko vkj n[k&j[k d fy, ljf{kr gkrk g] tgk dN lhek rd ekuoh; fØ;kdyki tl ?kkl dkVuk] Ñf"k vkfn dh vuefr gkrh g] vH;kj.; dgykrk g A

**ie[k vH;kj.; &**

¼1½ vpkudekj & fcykl ij ¼N-x-½

¼2½ vUukeykb & rfeyukM

¼3½ ifV;kj & djy

¼4½ jkuhij & mRrjin'k

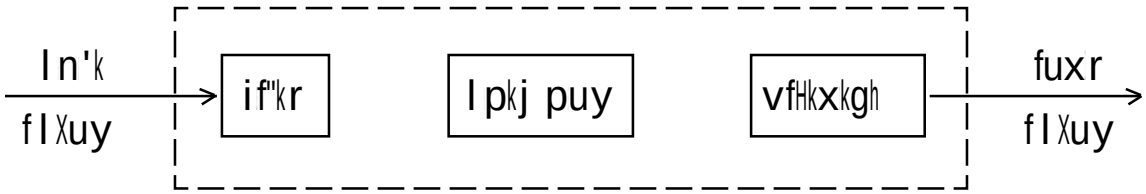
¼5½ iyke & fcgkj

¼6½ ukxktu lkxj& vkU/k in'k

mRrj 13& **lpkj r=&** lpukvk dk ,d LFkku l nlj LFkku e Hktu dh rduhd dk lpkj r= dgr g A vktdy lpuk& i=&if=dk] iLrd] rkj] jfM;k vkfn ek/;e l tku yxh g A vf/kdre xfr o rduhd d dkj.k Vyhfotu] VyhQku] QDl] bVjuV] ekckby] ,l-,e-,l-] mixg lpkj l lpuk tYn

igpkb tk ldrh g] ; lpkj r= dgykr g A

**ljyre lpkj r= &**




**^^vFkok****

**vkfFkd uhfr d 4 ?kVd fuEukulkj g &**

¼1½ **Ñf"kuhfr&** Ñf"k uhfr e Hk LokfeRo rduhdh] mRiknu dh ek=k eY;] ljdkj dh eY; uhfr] dhVuk'kd] ;=hdj.k vkfn 'kkfey g A fdlku Qly puko] mRiknu] foØ; foRr ic/k d fy, Lor= g A

¼2½ **vk|kfxd uhfr&** ljdkj vk|kfxd fodkl dk fu;fer o fu;f=r djrh g] vk|kfxd fodkl dk iHkkfor dju oky ljdkjh fl)kr] fu;e] foRr ic/k vkfn dh 0;oLFkk djrh g A

¼3½ **0;kikfjd uhfr&** vk;kr&fu;kr uhfr;k] fon'kh 0;kikj dh fn'kk o LoHkko] m|kxk dk lj{k.k] fon'kh lgk;rk] Hkxrku vkfn A

¼4½ **ekfnd uhfr&** fdlh n'k dh ljdkj ;k dUnh; cd }kjk vFk0;oLFkk e fdlh fo'k"k vkfFkd mnn'; dh ikfIr d fy, lpkyu e enk dh ek=k o ic/k dk ekfnd uhfr dgk tkrk g A

mRrj 14& jk"V d fodkl e 0;fDr dh Hkfedk dh ckr d lkFk ;ok d ;kxnku dk j[kkfdr fd;k tkrk g A fdlh Hkh cM ifjoru d fy, jk"Vh; pfj= fuek.k d fy, vFkok n'k d fodkl d fy, tc Hkh egki:"kk u igy dh rc n'k d ;okvk dk gh vkgoku fd;k x;k A Lokeh foodkun vkj egkRek xk/kh u ;ok 'kfDr dk gh lcl vf/kd egRo fn;k A

o'ohdj.k vkj 'kgjhdj.k d nkj e Hkh ;okvk dh Hkfedk vx.kh g A teu vFk'kkL=h d vulkj Hkkjrh; vFk0;oLFkk rth l ixfr djrh gb 2020 rd fo'o dh rhljh lcl cMh vFk0;oLFkk cu ldrh g A ftl ;okvk dh vge Hkfedk g A n'k dh ;ok ox vkcknh fodkl e egRoi.k ;kxnku n jgh

g A o{kkjki.k e Hkh budk egRoi.k ;kxnku g ftl lekt LoLFk gkxk ,o thou dh lkFkdrk fl) gkxh A

**^^vFkok****

n'k d vkfFkd fodkl e m|kx txr dh egrh Hkfedk g A ; i;koj.k dk inf"kr dju e Hkh ;kxnku ¼udkjkRed½ n jg g ftl ok; ,o ty inf"kr gk jgk g ,o Hkfe dh mojk 'kfDr de gk jgh g A vr% m|kxk }kjk tk in"k.k Qyk;k tk jgk g mldh {kfrifr ,o ic/k dh ftEenkjh Hkh bUgh legk dh gA

tl& vk|kfxd bdkb;k dk vif'k"V mipkfjr dj ty e 'kkfey dju l ty 'k) cuk jgxk ,o ok; Hkh inf"kr ugh gkxh A ,lh ik|kfxdh dk fodflr dj viuk;k tk, tk lkekftd ,o vkfFkd fodkl dk ikRlkfgr dj i;koj.k lj{k.k Hkh dj A xkeh.k jktxkj ,o Ñf"k vk/kkfjr m|kxk dk ikRlkgu nu okyh ik|kfxdh dk viuku dh vko';drk g A

mRrj 15& **foylr itkfr;k&** ,l thok dh tkfr;k tk li.k fo'o l xk;c gk pdh g ,o mudh dgh Hkh feyu dh lHkkouk ugh g A foylr itkfr;k dh J.kh e vkr g A

**mnkgj.k&** fdxfQ'kj] Mk;uklkj] yky ikMk] D;cuyky rkrk vkfn A

,d ckj foylr gku ij fdlh tkfr d fof'k"V thu dHkh ikIr ugh gk ldrA ekuo cM ieku ij fofHkUu LFkyh;] tyh; ,o ok;oh; ikf.k;k dk f'kdkj djrk g] ftl dkj.k vud tho tkfr;k lnk&lnk d fy, to eMy l foylr gk xb g A

eu"; d LokFkh ,o vekuoh; fØ;k dykik d dkj.k vud tfod tkfr;k dh foyflr dk [krjk c< tku d dkj.k oreku e lj{k.k dh egrh vko';drk g A

**ldVkiUu tkfr;k&** ,l thok dh tkfr;k ftud Hkfo"; e ldV e iMu dh lHkkouk g] ldVkiUu tkfr;k dh J.kh e vkr g A bu thok dh l[;k /khj& /khj de gkrh tk jgh g A blfy, budk mi;kx lhfer gk x;k g vr% bud ?kVr jgu dh lHkkouk c<rh tk jgh g A

**mnkgj.k&** n'kh xk;] Hkl] cdjh ,o reke rjg d Qlyk dh n'kh itkfr;k A

dN ,lh Hkh ldVkiUu tkfr;k g ftudk eu"; d }kjk doy 'kkd ;k nok d :i e f'kdkj dj fn;k tkrk g A QyLo:i budh l[;k e Hkh Hkkjh fxjkoV vk jgh g A

**tl&** 'kj] ck?k] Hkky] gkFkh] fgj.k vkfn A

**^^vFkok**

**iR;{k eY;&** link mRiUu dj mldk eY; d :i e mi;kx djuk miHkkx eY; dgykrk g A vk;kr&fu;kr lkf[;dh dk fujh{k.k dj bld vU; ykHkk d vk/kkj ij iR;{k eY; dk nk Hkkxk e foHkDr fd;k x;k g A

og link ftl LFkkuh; Lrj ij miHkkx fd;k tkrk g rFkk ftudk jk"Vh; vrjk"Vh; ckt kj e mYy[k ugh gkrk {k;'khy miHkkx eY; dgr g A

**mnkgj.k&** txy dh tykÅ ydMh dk LFkkuh; fuokl h b/ku d :i e mi;kx djr g A

og link ftldh inkokj txy e gkrh g yfdu miHkkx jk"Vh; ,o vrjk"Vh; ckt kj e Hkh gkrk g] mRiknh miHkkx eY; dgykrk g A bul vkfFkd ykHk gkrk g A

**mnkgj.k&** txy dh bekjrh ydMh dk ikIr djd bldk 0;kikfjd mi;kx gkrk gA

**tl&** txy dh bekjrh ydMh dk ikIr djd bldk 0;kikfjd mi;kx gkrk g A tl lkxku] 'kh'ke] ch t k vkfn A

**viR;{k eY;&** viR;{k eY; dk vFk g & linkvk d 0;fDrxr miHkkx d fcuk vkfFkd ykHk gkuk A ;g og ykHk g tk to fofo/krk }kjk ink; fd; tkr g ftle link u rk mRiUu gkrh g vkj u gh mldk uk'k gkrk g A

bl idkj d viR;{k eY; d ykHk d vrxr eukjtu] f'k{kk] oKkfud vul/kku] ty dh x.koRrk] ekuoh; lekt d fy, Hkkoh fodYi mRiUu djuk vkfn vkr g A

to fofo/krk dk oreku le; e vud egRo g ;g ikÑfrd tho cd g A bUgh d }kjk vud itkfr;k ikÑfrd :i l mRiUu gkrh jgrh g A feVVh] tyok; vkj ikÑfrd ouLifr;k bu thok d fy, vk/kkj curh g A ikÑfrd thu }kjk ikIr vkuokf'kd fofo/krk gh [krh] m|kx o nokb;k d

fodkl e Hkjij ;kxnku inku djrh g A

bld vfrfjDr vkuokf'kd fofo/krk ,o to fofo/krk] ty] feVVh dk lj{k.k] fodflr itkfr;k dk ltu dju gr telykte nkrk dh rjg gh ugh vfir mud ijkx.k] fu"kpu ,o vxyh ih<h ink dju dk okrkoj.k r;kj dju d fy, ftEenkj g A

mRrj 16& lrr fodkl] og fodkl g tk oreku d vk/kkj ij Hkfo"; d thou Lrj e l/kkj yk ld A ikfjfLFkfrd lryu ,o i;koj.k lj{k.k dh lkFkdrk fVdkÅ fodkl ij vk/kkfjr g A fo'o e iM&ik/k] tho&tUr] i'k&i{kh rFkk ekuo dh mRifRr dk fuf'pr Øe cuk gvk g A lHkh vkilh rky ey }kjk viuh thoup;k i.k djr g A iÑfr d Øe dk tc Hkh rkMu dk ekuoh; i;kl gkrk g rc l gh vlryu dh fLFkfr cu tkrh g iÑfr dk Øe fujUrj ldfyr cuk jg bl gr ge ftruk nkgu djr g] mldh {kfrifr dk ic/ku Hkh vko';d g A tl ge ,d iM /kjrh ij cMk djr g] og iM vkdk'k e c<rk g] tehu l ikuh [kh prk g] og ikuh ifRr;k d ek/;e l ok"ihÑr gk tkrk g A bl idkj ,d iM rhu okLrfodrkvk e lketL; LFkkfir djrk g A /kjrh] vkdk'k vkj ikuh dk lryu ,o irhdkRed ldyu g A iM }kjk {kfrifr 0;oLFkk dk ge nlj rjhd lHkh le> ldr g A ,d iM vkl&ikl d rki dk lk[k yrk g rFkk Nk;k inku djrk g A dkcu Mkb vkDlkbM d cny e thounk;h vkDlhtu NkMrk g A ,d iM dh ifRr;k] tkuokjk d Hkktu d :i e i;kx dh tkrh g] Qy Hkh ikIr gkr g] if{k;k ,o dhVk d fy, vkokl miyC/k djkrk g A iM d l[ku d ckn Hkh mldh ydMh d :i e mi;kx fd;k tkrk g A lrr fodkl d fy, Hkfo"; dh lEHkkouk mi;Dr mnkgj.k l Li"V gk tkrh g A ge ikÑfrd txyk dk fouk'k jkduk gkxk A ge ftruk nkgu djr g] mld iuHkj.k dk ic/k Hkh djuk gkxk] rHkh ikfjfLFkfrd lryu cuk jgxkA

**^^vFkok****

xkok d cgrj Hkfo"; d fy, fu;kftr dk;Øe dh vko'drk g A ge tkur g fd gekj n'k d yxHkx 5 yk[k 30 gtkj xkok e n'k dh nk frgkb l vf/kd tul[;k fuokl djrh g A ge ;g Hkh tkur g fd n'k dh ixfr d

fy, vc Hkh Ñf"k] i'kikyu rFkk vU; xkeh.k m|kxk d ic/ku i;klk dh vko';drk g A lrr fodkl gr xkeh.k ic/ku l lcf/kr fuEufyf[kr dk; fd; tk ldr g &

¼1½ xkeh.k {k=k dh vk|kfxd bdkb;k e ekuo llk/ku] foi.ku] lkekU; ic/ku rFkk foRr tl ic/ku d {k=k e lketL; LFkkfir djuk A

¼2½ Ñf"k Hkfe dk fujrj fo'y"k.k dj xkeh.kk dh vko';d l>ko nr jguk A

¼3½ i'kikyu rFkk eRL; ikyu tlh lHkkoukvk dk c<kuk A

¼4½ fodflr n'kk dh ifjfLFkfr;k d vulkj lrr fodkl gr viuk; tk ldu dk fo'y"k.k djuk A

mRrj 17& fofHkUu Qlyk d Qly pØ cukr le; fuEufyf[kr fl)kUr /;ku e j[ku pkfg, &

¼1½ xgjh tMk okyh Qlyk d ckn de xgjh tMk okyh Qly mxkb tkrh g] ftll fd Qly fofHkUu enk lrgk l viuk ik"kd rRo xg.k dj ld A

¼2½ vnyguh Qlyk d ckn nyguh Qly mxkuh pkfg, A vnyguh Qly feVVh dh ukbVktu dk ydj detkj cukrh g A tcfd nyguh Qlyk dh tMk e ik;k tku okyk jk;tkfc;e cDVhfj;k feVVh e ok;eMy dh ukbVktu dk fLFkjhdj.k djrk g A

¼3½ vf/kd ty pkgu okyh Qlyk d ckn de ty pkgu okyh Qly mxkuh pkfg, D;kfd yxkrkj vf/kd ty pkgu okyh Qlyk d mxku l feVVh e ok; lpkj :d tkrk g A bll feVVh e mifLFkr l{e thok dh fØ;kvk ij gkfudkjd iHkko iMrk g A

¼4½ vf/kd [kkn pkgu okyh Qlyk d ckn de [kkn pkgu okyh Qly mxkuh pkfg,] ftll feVVh dh mojrk ljf{kr jg A

¼5½ vf/kd fujkb&xMkb pkgu okyh Qlyk d ckn de fujkb&xMkb pkgu okyh Qly mxkuh pkfg, A

¼vU; fl)kUrk ij Hkh vd fn; tk; A½

**^^vFkok****

**fefJr [krh d fl)kUr&** Qly d feJ.k r;kj dju d fy, fuEufyf[kr e[;

fl)kUr /;ku e j[ku pkfg,&

¼1½ fefJr Ñf"k d fy, puh xb Qly feVVh ty rFkk tyok; d lfo/kkulkj ckVuh pkfg, A

¼2½ vnyguh Qlyk d lkFk nyguh Qlyk dk feJ.k djuk pkfg, A

¼3½ Åph c<u okyh Qlyk d lkFk Hkfe e Qydj pyu okyh Qly ckuh pkfg,A

¼4½ xgjh tM okyh Qlyk d lkFk mFkyh tM okyh Qly ckuh pkfg, A

¼5½ ,d gh idkj d dhV rFkk chekfj;k dk 'kj.k nu okyh Qlyk dk ,d lkFk ugh ckuk pkfg, A

¼vU; fl)kUrk ij vd fn; tk; A½

mRrj 18& **i;koj.k lj{k.k&** in"k.k dh jkdFkke d fy, ge lHkh dk lekt d lkFk tMdj i;koj.k in"k.k fu;=.k lc/kh dk;Øe LFkkuh;] iknf'kd ,o jk"Vh; Lrj ij cuk, tku pkfg, A gekjk ;g i;kl gkuk pkfg, fd ge pkjk vkj Qy jg in"k.k dk jkd & ;g rc lHko g

¼1½ ljdkj }kjk lHkh m|kxk d in"k.k jk/kd l;= yxkuk vfuok; cukuk pkfg,A

¼2½ in"k.k d fu;ek dk dMkb l ikyu gk A le;≤ ij tkp A

¼3½ xyh ekgYyk e dM&dpj d <j u yxu n A

¼4½ xnxh d ckj e ykxk dk tkx:d cuk;k tko A

¼5½ okguk dh le;≤ ij in"k.k lc/kh tkp gk A

¼6½ ouk dh vko';drk dVkb jkdh tkuh pkfg, A

¼7½ c<r e:LFky dk jkdu o{kkjki.k dh ;ktukvk dk c<kok A

¼8½ m|kxk d vif'k"V inkFkk dk ty e NkMu l jkdk tk, A

¼9½ vif'k"V inkFkk d mipkj mijkUr gh 'k) ty e feyku dh vuefr nh tkoA

¼10½ vk|kfxd HkfVV;k dh fpefu;k Åpkb ij gk A

¼11½ m|kxk dh LFkkiuk vkcknh l nj gk A

¼12½ xkeh.k {k=k e xkcj dk [ky e ckgj Mkyu dh vuefr u gk A

**^^vFkok****

**i;koj.k ic/ku d bfFkdy ¼ufrd½ igy&**

ekuo d pkjk vkj dk vkoj.k i;koj.k dgykrk g ;g tfod] vtfod]

vkfFkd] lkLÑfrd] rduhdh] lekftd idkj dk gkrk g A bl vkoj.k dk ge lj{k.k djuk pkfg, A ;g gekjk ufrd nkf;Ro g] bld lj{k.k e gekjk lHkh dk fgr g A

;fn fdlh leL;k d lek/kku e ge lfØ; ugh g rk viR;{k :i l leL;k dk c<ku e ge ftEenkj g A

**i;koj.k d ifr gekjk ufrd dr0;&**

¼1½ **ikuh dk cpko&** ty g rk dy g] ty gh thou g] Hkfo"; dh lj{kk gr ty dh cpr vko';d g] mi;kx fd, ikuh dk iuZpØ.k vU; dk;k e fd;k tkuk pkfg, A

¼2½ **fctyh cpkb,&** fctyh dk cpkdj dk;y dh cpr dh tk ldrh g vuko';d cYc] i[kk dk mi;kx u dj A mRlok d dk;Øe fnu e dj rkfd Åtk cp ld A

¼3½ **dkxt cpkb,&** dkxt o{kk l r;kj gkrk g] dkxt cpkdj o{kk dk cpk;k tk ldrk g] jnnh dkxt dk tyk, ugh cfYd ndkuk ij cp n rkfd fjlkb&fdfyx fd;k tk ld A

¼4½ **lykfLVd&** lykfLVd ,d vfo?kVu'khy inkFk g ftle gkfudkjd rRo gkr g] tk i;koj.k d fy, vR;Ur gh gkfudkjd g A vr% lykfLVd d LFkku ij dkxt] dkp] feVVh] /kkr l cuh oLrvk dk i;kx dj A

¼5½ **lkcu&** lkcu ikuh e cgdj unh] ukyk dk nf"kr djrk g A

¼6½ **cxhpk yxk,&** 'k) ok; ikIr dju gr] /ofu] ok;] ty] enk in"k.k jkdu gr cxhp yxk, A

¼7½ **okgu in"k.k&** okguk dh l[;k fu;f=r dj A ifCyd okgu dk i;kx vf/kd dj A btuk dk j[kj[kko le;≤ ij djko A

mRrj 19& gekj n'k e gfjr Økfr dk ikjHk lu 1968 e Ñf"k mRiknu e vk;h vnHkr Økfr l n[kk x;k A bl of) e mUur fdLek dh ckuh itkfr;k d xg] /kku d chtk dk mi;kx fd;k x;k A

fiNy 10 o"kk e Ñf"k jlk;u lc/kh vlrfyr i;kxk u i;koj.k dk i;kIr {kfr igpk;h g A flpkb dh lfo/kk c<u l [kk|kUu Qlyk dh ryuk

e /kku xg dk gh jdck c<k g rFkk ijEijkxr Qlyk dh ?kkj mi{kk gb g A ty d flpkb e vf/kd mi;kx l ,d vkj rk enk e yo.khdj.k o {kkjh;dj.k dh leL;k c<h g A rk nljh vkj ty d lkFk fofHkUu jlk;uk d fjlko d }kjk Hkfe e Hkhrj dh vkj tkdj Hkfe o ty L=krk dk inf"kr dj jg g A

blh rjg jlk;fud mojdk d i;kx e Hkh ifro"k 9&5 ifr'kr dh of) vkdh xb g rFkk gekjk n'k mu pkj cM n'kk e ekuk tkrk g tk cM ieku ij jklk;fud mojdk dk mi;kx dj jg g A blh rjg Hkkjr e Ñf"k jlk;uk d mi;kx e Hkh c<kRrjh nt dh x;h A tgk Hkkjr e lu 1971 e 24 gtkj Vu dhVuk'kdk dk bLreky gkrk Fkk og c<dj 1991 e 82 gtkj Vu gk x;kA

i;koj.k d lkekftd ,o vkfFkd vk;kek dh vkj nf"Vikr dju l ,lk irhr gkrk g fd Ñf"k dh ykxr fnuk&fnu c<rh xb yfdu ml vuikr e Qly dk eY; ugh c<k A

**^^vFkok**

**Vid flpkb ¼Drip Irrigation½&**

flpkb dh bl fof/k u Ñf"k ckxokuh ,o i"ikRiknu d {k= e ub Økfr dk lpkj fd;k g A bl lMu flpkb i)fr d uke Hkh tkuk tkrk g A fo'o d dN fodflr n'kk e bl i.kkyh l 50&50 ifr'kr Hkfe e flpkb dh tkrh gA vU; flpkb dh i)fr;k dh ryuk e bll 30&60 ifr'kr rd ikuh dh cpr dh tkrh g rFkk 'k"d] v)'k"d] Åph&uhph Hkfe;k rFkk iorh; {k=k e flpkb ;Dr Ñf"k fd;k tk ldrk g A

flpkb dh bl i)fr e ty dh lgh ek=k ik/kk d iHkkoh {k= e nr g ikuh dh ek=k ik/kk dh i tkfr;k] me ik/k ifj{k= LFkku e j[kdj forfjr djr g A bld lkFk gh t:jr iMu ij ikuh e ?kyu'khy] ik"kd rRo o jklk;fud mojd Hkh ikuh e ?kkydj ik/kk d tM {k= e igpk; tkr g A

**Vid flpkb d ipyu c<u d dkj.k&**

¼1½ bl i)fr d ek/;e l 30&60 ifr'kr rd ikuh dh cpr gkrh g A

¼2½ mRikndrk e 50&100 ifr'kr rFkk mRiknu e 2&4 xuk rd of) gkrh g A

¼3½ Qlyk dh x.koRrk e l/kkj gkrk g A tl Lokn] jx ,o vkdkj bR;kfn A

¼4½ Je]/ku ty ,o le; dh cpr gkrh g A

¼5½ mtk dh cpr gkrh g A

¼6½ [krk ,o flpkb ukfy;k e vko';d [kjirokj ink ugh gkr g A

¼7½ mojdhdj.k }kjk 'k"d ,o l{e ik"kd rRok dk mi;kx ljy ,o iHkkoh <x l fd;k tkrk g A

¼8½ bl i)fr l mcM&[kkcM rFkk Åph&uhph tehuk dk mi;kx dj flpkb dj ldr g A

&&00&&

**Set - B**

# gk;j ld.Mjh Ldy lVhfQdV ijh{kk

## Higher Secondary 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) - ckjgoh %12oh%** **i.kkd 75 (M.M.)**

---

## (Instruction) & %fun'k%

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. 02 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 gA iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 05 vd vkcfVr gA mRrj dh vf/kdre 'kCn lhek 75 '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 75.

7- i'u Øekd 18 l i'u Øekd 19 rd nh?kmRrjh; i'u gA iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 06 vd vkcfVr gA 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.

## [k.M ^v*

i'u 1&¼v½ lgh fodYi pudj fyf[k; &

Write correct choice-

**(i)** itkrh; fofo/krk rFkk tkfr /kU;rk ,d nlj d gkrh g & ¼1½

¼v½ C;RØekuikrh ¼c½ lekuikrh

¼l½ ijd ¼n½ mijkDr e l dkb ugh A

Species diversity and species richness are ..... to each other.

(a) Inversely Proportional (b) Proportional

(c) Complementary (d) None of the above

**(ii)** bue l bekjrh ydMh g & ¼1½

¼v½ ccy ¼c½ vke

¼l½ uhe ¼n½ 'kh'ke

Wood used for building purpose is

(a) Babool (b) Mango

(c) Neem (d) Shisham

**(iii)** ck/kox< jk"Vh; m|ku fLFkr g & ¼1½

¼v½ NRrhlx< ¼c½ mRrj in'k

¼l½ e/; in'k ¼n½ xtjkr

Bandhawgarh National Park is in

(a) Chhattisgarh (b) Uttar Pradesh

(c) Madya Pradesh (d) Gujrat

**(iv)** mPp dkVh dk b/ku g & ¼1½

¼v½ rjy gkbMkt u ¼c½ iVky

¼l½ Mhty ¼n½ djkflu

Fuel of high quality is

(a) Liquid Hydrogen (b) Petrol

(c) Diesel (d) Kerosine

**(v)** vk|kfxd fo"k&foKku vul/kku dUn fLFkr g & ¼1½

¼v½ ub fnYyh ¼c½ y[kuÅ

¼l½ dkydkrk ¼n½ iVuk

Industrial Poison Science Research Center is in

(a) New Delhi (b) Lucknow

(c) Kolkata (d) Patna

## [k.M ^c*

¼c½ fjDr LFkkuk dh ifr dhft;s &

Fill in the blank -

**(i)** fludkuk ik/k l ---------- nok dk fuek.k fd;k tkrk g A ¼1½

..... medicine is obtain from chinchona plant

**(ii)** ekuo fodkl fjikV 2005 d vulkj Hkkjr ---------- lpdkd oky n'kk dh J.kh e vkrk g A ¼1½

According to the Human Development Report 2005 INDIA falls in the category of ..... index.

**(iii)** xhu fcxM dk dk;s {k= ---------- lhek {k= g A ¼1½

The work area of green brigade is ..... border region.

**(iv)** okQjhu dd nok dk i;kx ---------- d fy, fd;k tkrk g A ¼1½

Warfreen cake is used for .....

**(v)** fefJr Qly d fl)kUr d vulkj nyguh Qlyk d lkFk ---------- Qlyk dk feJ.k djuk pkfg, A ¼1½

According to the principles of mixed cropping leguminous plants are mixed with ..... crops.

i'u 2& ^eu"; iÑfr e mifLFkr thok ,o ik/kk dk vuokf'kd vk/kkj ij cny nrk gA* bl dFku dh if"V dhft, A ¼2½

"Man change genetically the organisms and plants present in nature". Explain.

i'u 3& miHkkDrk 'kCnkoyh dk tUe D;k gvk \ ¼2½

Why the word consumer originate?

i'u 4& odfYid b/ku d dkb nk mnkgj.k nhft, A ¼1$1½

Give two examples of optional fules.

i'u 5& Vid flpkb dh nk fo'k"krk, fyf[k, A ¼1$1½

Give two main features of Drip Irrigation.

i'u 6& vkfFkd Fkl gkYM Lrj D;k g \ ¼2½

What is Economic Threshold Level?

i'u 7& itkfr; fofo/krk fdl dgr g \ ¼3½

What is speices diversity?

i'u 8& mRiknh miHkkx eY; l D;k vk'k; g \ ¼3½

What is Direct Value ?

i'u 9& jfM;k/keh in"k.k fu;=.k d dkb rhu mik; fyf[k, A ¼1$1$1½

Write three measures of controlling radioactivity pollution.

i'u 10& Ñf"k mRiknu d ifjogu l D;k rkRi; g \ ¼3½

What do you understand by the transportation of agricultural procedure ?

i'u 11& lpkj r= D;k g \ bld nj rd ln'k Hkstu gr lpkj r= dk ifr:i cukb,A

What is a communication system? Draw a model of communication system for sending messages to far of places? ¼2$2½

**^^vFkok OR^^**

vkfFkd uhfr d fdUgh pkj ?kVdk dk o.ku dhft, A ¼1$1$1$1½

Explain any four components of economic policy.

i'u 12& ekuo d vfLrRo gr to&fofo/krk dk lj{k.k vko';d g A D;k \ ¼4½

Why is Bio-Diversity important for existence of man kind ?

**^^vFkok OR^^**

iÑfr e lryu cuk, j[ku d fy, to&fofo/krk dk lj{k.k vko';d g A D;k \ ¼4½

Bio-Diversity conservation is important to balance nature,Why?

i'u 13& jk"Vh; m|ku ij lf{kIr fVli.kh fyf[k, A ¼4½

Write short note on National Park.

**^^vFkok OR^^**

vH;kj.k ij lf{kIr fVIi.kh fyf[k, A ¼4½

Write short note on Sanctuary.

iz'u 14& lrr fodkl e ;qok dh Hkfedk dk o.kZu dhft, A ¼4½

Explain the role of youths in Sustainable Development.

**^^vFkok OR**^^**

lrr fodkl e m|ksx lewgksa dh Hkfedk dk o.kZu dhft, A ¼4½

Explain the role of industrial groups in Sustainable Development.

iz'u 15& Qly pØ.k ds dkbZ ikap fl)kUr fyf[k, A ¼1$1$1$1$1½

Write any five principals of Crop Rotation.

**^^vFkok OR**^^**

feJr Qly ds dkbZ ikap fl)kUr fyf[k, A ¼1$1$1$1$1½

Write any five principals of Mixed Cropping.

iz'u 16& fuEu ij lf{kIr fVIi.kh fyf[k, & ¼2½$2½½

¼1½ foyqIr izkf.k;k¡] ¼2½ ldVkiUu tkfr;k¡

Write short notes on:--

(i) Extinct Species (ii) Threatened species

**^^vFkok OR**^^**

fuEu ij lf{kIr fVIi.kh fyf[k, A ¼2½$2½½

¼1½ iR;{k eY;] ¼2½ viR;{k eY;

Write short notes on:--

(i) Direct value (ii) Indirect Value

iz'u 17& lrr fodkl ,oa Hkfo"; ds lHkkouk,a dh foospuk dhft, A ¼5½

Describe the sustainable development and future possibilities ?

**^^vFkok OR**^^**

xkeh.k izca/ku vkSj lrr fodkl dh vko';drk dk fo'y"k.k dhft,A ¼5½

Analyse the need of Rural management & Sustainable development.

iz'u 18& i;koj.k lj{k.k ,oa in"k.k fu;=.k ds fy, O;fDr dk lkekftd Lrj ij D;k djuk pkfg, A ¼6½

For conservation of Environmental and Pollution control what should an individual do at social level.

**^^vFkok OR**

i;koj.k icU/ku d bfFkdy ¼ufrd½ igy ij idk'k Mkfy, A ¼6½

Explain Ethical consideration of Enviromental management.

i'u 19& gfjr Økfr d i;koj.k ij g, iHkkok dh foopuk dhft, A ¼6½

What are the main effects of green revolution on Enviroment ? Explain.

**^^vFkok OR**

Vid flpkb dk ipyu D;k c< jgk g \ le>kb, A ¼6½

Why is Drip Irrigation becoming popular? Explain.

&&00&&

## ^^lEiy mRrj**

[k.M ^v*

mRrj 1&¼v½

**(i)** & ¼c½ lekuikrh

**(ii)** & ¼n½ 'kh'ke

**(iii)** & ¼l½ e/;in'k

**(iv)** & ¼v½ rjy gkbMkt u

**(v)** & ¼c½ y[kuÅ

[k.M ^c*

¼c½ fjDr LFkku dh ifr

**(i)** duu

**(ii)** e/;

**(iii)** Hkkjr cXykn'k

**(iv)** pgk dk ekju d fy,

**(v)** vnyguh

mRrj 2& iR;d tho e thu d :i e ,d vuokf'kd bdkb ikb tkrh g] fofo/k idkj d thu leg thok dk fofo/krk inku djr g A bu thu legk e okNuh; ifjoru dj eu"; iÑfr e mifLFkr thok ,o ik/kk dk viu vulkj vkuokf'kd vk/kkj ij cny nrk g A

**tl&** xk;] efx;k ,o lvj d mUur 'khy itkfr;k ikIr djuk A

mRrj 3& miHkkDrk 'kCnkoyh dk tUe fodkl ,o vrghu ekuoh; bPNkvk d ifj.kke Lo:i gvk A

mRrj 4& odfYid b/ku d nk mnkgj.k fuEufyf[kr g &

¼1½ jru tkr d cht l ry fudkydj Mhty d fodYi d :i e i;kx djuk A

¼2½ ,Fkuky dk iVky e feykdj iVky d fodYi d :i e i;kx djuk A

mRrj 5& nk fo'k"krk, fuEufyf[kr g &

¼1½ bld ek/;e l 30 l 60 ifr'kr ikuh dh cpr gkrh g A

¼2½ mRikndrk e 50 l 100 ifr'kr ,o mRiknu e 2 l 4 xuk of) gkrh g A

mRrj 6& vkfFkd {kfr Lrj ij dhVk }kjk fd; x; Qly d udlku dk vf/kd le; rd lgu ugh fd;k tk ldrk A vr% bl Lrj ij igpu l igy gh fu;=.k d mik; ikjHk dj nu pkfg, A

vkfFkd Fkl gkYM Lrj dhVk dh l[;k dk Qly ik/kk ij ,lk ?kuRo gkrk g ftl ij igpu l jkdk tk ld A

mRrj 7& fdlh ,d fo'k"k i{k= d vrxr mifLFkr itkfr;k d e/; ikb tku okyh fofo/krk dk itkfr fofo/krk dgr g A

mRrj 8& og link ftudh inkokj rk txy e gkrh g yfdu ftldk miHkkx jk"Vh; ,o vrjk"Vh; ckt kj e Hkh gkrk g] mRiknh miHkkx eY; dgyrk g A

mRrj 9& jfM;k/keh in"k.k fu;=.k d rhu mik;&

¼1½ ijek.k cek d fuek.k ,o mi;kx ij ifrc/k yxk;k tk, A

¼2½ ijek.k fctyh ?kjk l mRiUu dpj dk nQuku dk ijk ic/k fd;k tk; A

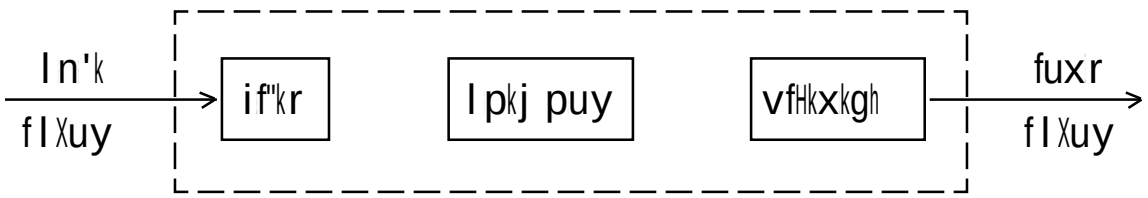
¼3½ fj,DVjk d j[k&j[ko e i.k lrdrk cjruh pkfg, A

¼;k vU; mik;k ij vd fn, tk, A½

mRrj 10& Ñf"k mRiknu d ifjogu l rkRi; g fd [kk|kuk d ifjogu e yx okguk dh voLFkk Bhd gk A ifjogu d nkjku vukt ueh l ljf{kr gk ,o fdlh Hkh n'kk e Hkhxuk ugh pkfg, A rkyi=h vkfn dk i;kx vukt dk <du gr ifjogu d nkjku vo'; dj A

mRrj 11& **lpkj r=&** lpukvk dk ,d LFkku l nlj LFkku e Hktu dh rduhd dk lpkj r= dgr g A vkt dy lpuk& i=&if=dk] iLrd] rkj] jfM;k vkfn ek/;e l tku yxh g A vf/kdre xfr o rduhd d dkj.k Vyhfotu] VyhQku] QDl] bVjuV] ekckby] ,l-,e-,l-] mixg lpkj l lpuk tYn igpkb tk ldrh g] ; lpkj r= dgykr g A

**ljyre lpkj r= &**



^^vFkok**

**vkfFkd uhfr d 4 ?kVd fuEukuykj g &**

¼1½ **Ñf"kuhfr&** Ñf"k uhfr e Hk LokfeRo rduhdh] mRiknu dh ek=k eY;] ljdkj dh eY; uhfr] dhVuk'kd] ;=hdj.k vkfn 'kkfey g A fdlku Qly puko] mRiknu] foØ; foRr ic/k d fy, Lor= g A

¼2½ **vk|kfxd uhfr&** ljdkj vk|kfxd fodkl dk fu;fer o fu;f=r djrh g] vk|kfxd fodkl dk iHkkfor dju oky ljdkjh fl)kr] fu;e] foRr ic/k vkfn dh 0;oLFkk djrh g A

¼3½ **0;kikfjd uhfr&** vk;kr&fu;kr uhfr;k] fon'kh 0;kikj dh fn'kk o LoHkko] m|kxk dk lj{k.k] fon'kh lgk;rk] Hkxrku vkfn A

¼4½ **ekfnd uhfr&** fdlh n'k dh ljdkj ;k dUnh; cd }kjk vFk0;oLFkk e fdlh fo'k"k vkfFkd mnn'; dh ikfIr d fy, lpkyu e enk dh ek=k o ic/k dk ekfnd uhfr dgk tkrk g A

mRrj 12& ekuo d LokFkijd iÑfr l dkb Hkh vufHkK ugh g A to&fofo/krk lj{k.k e Hkh ekuo dk viuk fufgr LokFk fNik g] D;kfd fcuk viuh LokFk ifr d ekuo tkfr vU; tho tUrvk ,o ouLifr;k d lj{k.k ij tkj ugh n ldrk A ekuo tkurk g fd mldh leLr vko';drk, iR;{k vFkok viR;{k :i l to fofo/krk l tMh g] tk vuoj.k :i l viuh veY; lok, ge inku djr jg g] ; fdlh Hkh jk"V d vkfFkd] lkekftd] ikfjfLFkfrd rFkk vU; lHkh i{kk ij viuk 0;kid iHkko Mkyrh g A

^^vFkok**

iÑfr e lryu cuk; j[ku d fy, to fofo/krk dk lj{k.k fuEu dkj.kk l vko';d g &

¼1½ i;koj.k lryu gr A

¼2½ vk"k/kh; egRo dh nf"V l A

¼3½ ekuo vfLrRo dk cuk; j[ku d fy, A ¼dkb rhu fy[ku ij½

mRrj 13& **jk"Vh; m|ku &** og ljf{kr {k= tk oU; thok dh mUufr o fodkl d fy, vkjf{kr gkrk g] rFkk ogk o{k mUeyu] pkj.k] vk[kV rFkk vU; ekuoh;

fØ;kdykik ij ifrc/k jgrk g] jk"Vh; m|ku dgykrk g A

**Hkkjr d ie[k jk"Vh; m|ku &**

¼1½ dkcV jk"Vh; m|ku & mÙkjk[k.M

½2½ lUnjou jk"Vh; m|ku & if'pe cxky

¼3½ fxj jk"Vh; m|ku & xtjkr

¼4½ ck/kox< jk"Vh; m|ku & e/;in'k

¼5½ n/kkok jk"Vh; m|ku & mRrj in'k

¼6½ dkxj ?kkVh jk"Vh; m|ku & NRrhlx<

^^vFkok**

**vH;kj.;&** ,lk {k= ;k 'kj.k LFky tk oU; thok d cpko vkj n[k&j[k d fy, ljf{kr gkrk g] tgk dN lhek rd ekuoh; fØ;kdyki tl ?kkl dkVuk] Ñf"k vkfn dh vuefr gkrh g] vH;kj.; dgykrk g A

**ie[k vH;kj.; &**

¼1½ vpkudekj & fcyklij ¼N-x-½

½2½ vUukeykb & rfeyukM

¼3½ ifV;kj & djy

¼4½ jkuhij & mRrjin'k

¼5½ iyke & fcgkj

¼6½ ukxktu lkxj& vkU/k in'k

mRrj 14& jk"V d fodkl e 0;fDr dh Hkfedk dh ckr d lkFk ;ok d ;kxnku dk j[kkfdr fd;k tkrk g A fdlh Hkh cM ifjoru d fy, jk"Vh; pfj= fuek.k d fy, vFkok n'k d fodkl d fy, tc Hkh egki:"kk u igy dh rc n'k d ;okvk dk gh vkgoku fd;k x;k A Lokeh foodkun vkj egkRek xk/kh u ;ok 'kfDr dk gh lcl vf/kd egRo fn;k A

o'ohdj.k vkj 'kgjhdj.k d nkj e Hkh ;okvk dh Hkfedk vx.kh g A teu vFk'kkL=h d vulkj Hkkjrh; vFk0;oLFkk rth l ixfr djrh gb 2020 rd fo'o dh rhljh lcl cMh vFk0;oLFkk cu ldrh g A ftll ;okvk dh vge Hkfedk g A n'k dh ;ok ox vkcknh fodkl e egRoi.k ;kxnku n jgh

g A o{kkjki.k e Hkh budk egRoi.k ;kxnku g ftll lekt LoLFk gkxk ,o thou dh lkFkdrk fl) gkxh A

**^^vFkok****

n'k d vkfFkd fodkl e m|kx txr dh egrh Hkfedk g A ; i;koj.k dk inf"kr dju e Hkh ;kxnku ¼udkjkRed½ n jg g ftll ok; ,o ty inf"kr gk jgk g ,o Hkfe dh mojk 'kfDr de gk jgh g A vr% m|kxk }kjk tk in"k.k Qyk;k tk jgk g mldh {kfrifr ,o ic/k dh ftEenkjh Hkh bUgh legk dh gA

tl& vk|kfxd bdkb;k dk vif'k"V mipkfjr dj ty e 'kkfey dju l ty 'k) cuk jgxk ,o ok; Hkh inf"kr ugh gkxh A ,lh ik|kfxdh dk fodflr dj viuk;k tk, tk lkekftd ,o vkfFkd fodkl dk ikRlkfgr dj i;koj.k lj{k.k Hkh dj A xkeh.k jktxkj ,o Ñf"k vk/kkfjr m|kxk dk ikRlkgu nu okyh ik|kfxdh dk viuku dh vko';drk g A

mRrj 15& fofHkUu Qlyk d Qly pØ cukr le; fuEufyf[kr fl)kUr /;ku e j[ku pkfg, &

¼1½ xgjh tMk okyh Qlyk d ckn de xgjh tMk okyh Qly mxkb tkrh g] ftll fd Qly fofHkUu enk lrgk l viuk ik"kd rRo xg.k dj ld A

¼2½ vnyguh Qlyk d ckn nyguh Qly mxkuh pkfg, A vnyguh Qly feVVh dh ukbVktu dk ydj detkj cukrh g A tcfd nyguh Qlyk dh tMk e ik;k tku okyk jk;tkfc;e cDVhfj;k feVVh e ok;eMy dh ukbVktu dk fLFkjhdj.k djrk g A

¼3½ vf/kd ty pkgu okyh Qlyk d ckn de ty pkgu okyh Qly mxkuh pkfg, D;kfd yxkrkj vf/kd ty pkgu okyh Qlyk d mxku l feVVh e ok; lpkj :d tkrk g A bll feVVh e mifLFkr l{e thok dh fØ;kvk ij gkfudkjd iHkko iMrk g A

¼4½ vf/kd [kkn pkgu okyh Qlyk d ckn de [kkn pkgu okyh Qly mxkuh pkfg,] ftll feVVh dh mojrk ljf{kr jg A

¼5½ vf/kd fujkb&xMkb pkgu okyh Qlyk d ckn de fujkb&xMkb pkgu okyh Qly mxkuh pkfg, A

¼vU; fl)kUrk ij Hkh vd fn; tk; A½

**^^vFkok****

**fefJr [krh d fl)kUr&** Qly d feJ.k r;kj dju d fy, fuEufyf[kr e[; fl)kUr /;ku e j[ku pkfg,&

½1½ fefJr Ñf"k d fy, puh xb Qly feVVh ty rFkk tyok; d lfo/kkulkj ckVuh pkfg, A

½2½ vnyguh Qlyk d lkFk nyguh Qlyk dk feJ.k djuk pkfg, A

½3½ Åph c<u okyh Qlyk d lkFk Hkfe e Qydj pyu okyh Qly ckuh pkfg,A

½4½ xgjh tM okyh Qlyk d lkFk mFkyh tM okyh Qly ckuh pkfg, A

½5½ ,d gh idkj d dhV rFkk chekfj;k dk 'kj.k nu okyh Qlyk dk ,d lkFk ugh ckuk pkfg, A

vU; fl)kUrk ij vd fn; tk; A

mRrj 16& **foylr itkfr;k&** ,l thok dh tkfr;k tk li.k fo'o l xk;c gk pdh g ,o mudh dgh Hkh feyu dh lHkkouk ugh g A foylr itkfr;k dh J.kh e vkr g A

**mnkgj.k&** fdxfQ'kj] Mk;ukslkj] yky ikMk] D;cuyky rkrk vkfn A

,d ckj foylr gku ij fdlh tkfr d fof'k"V thu dHkh ikIr ugh gk ldrA ekuo cM ieku ij fofHkUu LFkyh;] tyh; ,o ok;oh; ikf.k;k dk f'kdkj djrk g] ftll dkj.k vud tho tkfr;k lnk&lnk d fy, to eMy l foylr gk xb g A

eu"; d LokFkh ,o vekuoh; fØ;k dykik d dkj.k vud tfod tkfr;k dh foyflr dk [krjk c< tku d dkj.k oreku e lj{k.k dh egrh vko';drk g A

**ldVkiUu tkfr;k&** ,l thok dh tkfr;k ftud Hkfo"; e ldV e iMu dh lHkkouk g] ldVkiUu tkfr;k dh J.kh e vkr g A bu thok dh l[;k /khj& /khj de gkrh tk jgh g A blfy, budk mi;kx lhfer gk x;k g vr% bud ?kVr jgu dh lHkkouk c<rh tk jgh g A

**mnkgj.k&** n'kh xk;] Hkl] cdjh ,o reke rjg d Qlyk dh n'kh itkfr;k A

dN ,lh Hkh ldVkiUu tkfr;k g ftudk eu"; d }kjk doy 'kkd ;k

nok d :i e f'kdkj dj fn;k tkrk g A QyLo:i budh l[;k e Hkh Hkkjh fxjkoV vk jgh g A

**tl&** 'kj] ck?k] Hkky] gkFkh] fgj.k vkfn A

**^^vFkok****

**iR;{k eY;&** link mRiUu dj mldk eY; d :i e mi;kx djuk miHkkx eY; dgykrk g A vk;kr&fu;kr lkf[;dh dk fujh{k.k dj bld vU; ykHkk d vk/kkj ij iR;{k eY; dk nk Hkkxk e foHkDr fd;k x;k g A

og link ftl LFkkuh; Lrj ij miHkkx fd;k tkrk g rFkk ftudk jk"Vh; vrjk"Vh; cktkj e mYy[k ugh gkrk {k;'khy miHkkx eY; dgr g A

**mnkgj.k&** txy dh tykÅ ydMh dk LFkkuh; fuokl h b/ku d :i e mi;kx djr g A

og link ftldh inkokj txy e gkrh g yfdu miHkkx jk"Vh; ,o vrjk"Vh; cktkj e Hkh gkrk g] mRiknh miHkkx eY; dgykrk g A bul vkfFkd ykHk gkrk g A

**mnkgj.k&** txy dh bekjrh ydMh dk ikIr djd bldk 0;kikfjd mi;kx gkrk gA

**tl&** txy dh bekjrh ydMh dk ikIr djd bldk 0;kikfjd mi;kx gkrk g A tl lkxku] 'kh'ke] chtk vkfn A

**viR;{k eY;&** viR;{k eY; dk vFk g & linkvk d 0;fDrxr miHkkx d fcuk vkfFkd ykHk gkuk A ;g og ykHk g tk to fofo/krk }kjk ink; fd; tkr g ftle link u rk mRiUu gkrh g vkj u gh mldk uk'k gkrk g A

bl idkj d viR;{k eY; d ykHk d vrxr eukjtu] f'k{kk] oKkfud vul/kku] ty dh x.koRrk] ekuoh; lekt d fy, Hkkoh fodYi mRiUu djuk vkfn vkr g A

to fofo/krk dk oreku le; e vud egRo g ;g ikÑfrd tho cd g A bUgh d }kjk vud itkfr;k ikÑfrd :i l mRiUu gkrh jgrh g A feVVh] tyok; vkj ikÑfrd ouLifr;k bu thok d fy, vk/kkj curh g A ikÑfrd thu }kjk ikIr vkuokf'kd fofo/krk gh [krh] m|kx o nokb;k d fodkl e Hkjij ;kxnku inku djrh g A

bld vfrfjDr vkuokf'kd fofo/krk ,o to fofo/krk] ty] feVVh dk lj{k.k] fodflr itkfr;k dk ltu dju gr telykte nkrk dh rjg gh ugh vfir mud ijkx.k] fu"kpu ,o vxyh ih<h ink dju dk okrkoj.k r;kj dju d fy, ftEenkj g A

mRrj 17& lrr fodkl] og fodkl g tk oreku d vk/kkj ij Hkfo"; d thou Lrj e l/kkj yk ld A ikfjfLFkfrd lryu ,o i;koj.k lj{k.k dh lkFkdrk fVdkÅ fodkl ij vk/kkfjr g A fo'o e iM&ik/k] tho&tUr] i'k&i{kh rFkk ekuo dh mRifRr dk fuf'pr Øe cuk gvk g A lHkh vkilh rky ey }kjk viuh thoup;k i.k djr g A iÑfr d Øe dk tc Hkh rkMu dk ekuoh; i;kl gkrk g rc l gh vlryu dh fLFkfr cu tkrh g iÑfr dk Øe fujUrj ldfyr cuk jg bl gr ge ftruk nkgu djr g] mld h {kfrifr dk ic/ku Hkh vko';d g A tl ge ,d iM /kjrh ij cMk djr g] og iM vkdk'k e c<rk g] tehu l ikuh [khprk g] og ikuh ifRr;k d ek/;e l ok"ihÑr gk tkrk g A bl idkj ,d iM rhu okLrfodrkvk e lketL; LFkkfir djrk g A /kjrh] vkdk'k vkj ikuh dk lryu ,o irhdkRed ldyu g A iM }kjk {kfrifr 0;oLFkk dk ge nlj rjhd lHkh le> ldr g A ,d iM vkl&ikl d rki dk lk[k yrk g rFkk Nk;k inku djrk g A dkcu Mkb vkDlkbM d cny e thounk;h vkDlhtu NkMrk g A ,d iM dh ifRr;k] tkuokjk d Hkktu d :i e i;kx dh tkrh g] Qy Hkh ikIr gkr g] if{k;k ,o dhVk d fy, vkokl miyC/k djkrk g A iM d l[ku d ckn Hkh mld h ydMh d :i e mi;kx fd;k tkrk g A lrr fodkl d fy, Hkfo"; dh lEHkkouk mi;Dr mnkgj.k l Li"V gk tkrh g A ge ikÑfrd txyk dk fouk'k jkduk gkxk A ge ftruk nkgu djr g] mld iuHkj.k dk ic/k Hkh djuk gkxk] rHkh ikfjfLFkfrd lryu cuk jgxkA

**^^vFkok**

xkok d cgrj Hkfo"; d fy, fu;kftr dk;Øe dh vko'drk g A ge tkur g fd gekj n'k d yxHkx 5 yk[k 30 gtkj xkok e n'k dh nk frgkb l vf/kd tul[;k fuokl djrh g A ge ;g Hkh tkur g fd n'k dh ixfr d fy, vc Hkh Ñf"k] i'kikyu rFkk vU; xkeh.k m|kxk d ic/ku i;kl k dh

vko';drk g A lrr fodkl gr xkeh.k ic/ku l lcf/kr fuEufyf[kr dk; fd; tk ldr g &

¼1½ xkeh.k {k=k dh vk|kfxd bdkb;k e ekuo llk/ku] foi.ku] lkekU; ic/ku rFkk foRr tl ic/ku d {k=k e lketL; LFkkfir djuk A

¼2½ Ñf"k Hkfe dk fujrj fo'y"k.k dj xkeh.kk dh vko';d l>ko nr jguk A

¼3½ i'kikyu rFkk eRL; ikyu tlh lHkkoukvk dk c<kuk A

¼4½ fodflr n'kk dh ifjfLFkfr;k d vulkj lrr fodkl gr viuk; tk ldu dk fo'y"k.k djuk A

mRrj 18& **i;koj.k lj{k.k&** in"k.k dh jkdFkke d fy, ge lHkh dk lekt d lkFk tMdj i;koj.k in"k.k fu;=.k lc/kh dk;Øe LFkkuh;] iknf'kd ,o jk"Vh; Lrj ij cuk, tku pkfg, A gekjk ;g i;kl gkuk pkfg, fd ge pkjk vkj Qy jg in"k.k dk jkd & ;g rc lHko g

¼1½ ljdkj }kjk lHkh m|kxk d in"k.k jk/kd l;= yxkuk vfuok; cukuk pkfg,A

¼2½ in"k.k d fu;ek dk dMkb l ikyu gk A le;≤ ij tkp A

¼3½ xyh ekgYyk e dM&dpj d <j u yxu n A

¼4½ xnxh d ckj e ykxk dk tkx:d cuk;k tko A

¼5½ okguk dh le;≤ ij in"k.k lc/kh tkp gk A

¼6½ ouk dh vko';drk dVkb jkdh tkuh pkfg, A

¼7½ c<r e:LFky dk jkdu o{kkjki.k dh ;ktukvk dk c<kok A

¼8½ m|kxk d vif'k"V inkFkk dk ty e NkMu l jkdk tk, A

¼9½ vif'k"V inkFkk d mipkj mijkUr gh 'k) ty e feyku dh vuefr nh tkoA

¼10½ vk|kfxd HkfVV;k dh fpefu;k Åpkb ij gk A

¼11½ m|kxk dh LFkkiuk vkcknh l nj gk A

¼12½ xkeh.k {k=k e xkcj dk [ky e ckgj Mkyu dh vuefr u gk A

**^^vFkok****

**i;koj.k ic/ku d bfFkdy ¼ufrd½ igy&**

ekuo d pkjk vkj dk vkoj.k i;koj.k dgykrk g ;g tfod] vtfod] vkfFkd] lkLÑfrd] rduhdh] lekftd idkj dk gkrk g A bl vkoj.k dk ge

lj{k.k djuk pkfg, A ;g gekjk ufrd nkf;Ro g] bld lj{k.k e gekjk lHkh dk fgr g A

;fn fdlh leL;k d lek/kku e ge lfØ; ugh g rk viR;{k :i l leL;k dk c<ku e ge ftEenkj g A

**i;koj.k d ifr gekjk ufrd dr0;&**

¼1½ **ikuh dk cpko&** ty g rk dy g] ty gh thou g] Hkfo"; dh lj{kk gr ty dh cpr vko';d g] mi;kx fd, ikuh dk iuHkpØ.k vU; dk;k e fd;k tkuk pkfg, A

¼2½ **fctyh cpkb,&** fctyh dk cpkdj dk;y dh cpr dh tk ldrh g vuko';d cYc] i[kk dk mi;kx u dj A mRlok d dk;Øe fnu e dj rkfd Åtk cp ld A

¼3½ **dkxt cpkb,&** dkxt o{kk l r;kj gkrk g] dkxt cpkdj o{kk dk cpk;k tk ldrk g] jnnh dkxt dk tyk, ugh cfYd ndkuk ij cp n rkfd fjlkb&fdfyx fd;k tk ld A

¼4½ **lykfLVd&** lykfLVd ,d vfo?kVu'khy inkFk g ftle gkfudkjd rRo gkr g] tk i;koj.k d fy, vR;Ur gh gkfudkjd g A vr% lykfLVd d LFkku ij dkxt] dkp] feVVh] /kkr l cuh oLrvk dk i;kx dj A

¼5½ **lkcu&** lkcu ikuh e cgdj unh] ukyk dk nf"kr djrk g A

¼6½ **cxhpk yxk,&** 'k) ok; ikIr dju gr] /ofu] ok;] ty] enk in"k.k jkdu gr cxhp yxk, A

¼7½ **okgu in"k.k&** okguk dh l[;k fu;f=r dj A ifCyd okgu dk i;kx vf/kd dj A btuk dk j[kj[kko le;≤ ij djko A

mRrj 19& gekj n'k e gfjr Økfr dk ikjHk lu 1968 e Ñf"k mRiknu e vk;h vnHkr Økfr l n[kk x;k A bl of) e mUur fdLek dh ckuh itkfr;k d xg] /kku d chtk dk mi;kx fd;k x;k A

fiNy 10 o"kk e Ñf"k jlk;u lc/kh vlrfyr i;kxk u i;koj.k dk i;kIr {kfr igpk;h g A flpkb dh lfo/kk c<u l [kk|kUu Qlyk dh ryuk e /kku xg dk gh jdck c<k g rFkk ijEijkxr Qlyk dh ?kkj mi{kk gb g A

ty d flpkb e vf/kd mi;kx l ,d vkj rk enk e yo.kh dj.k o {kkjh;dj.k dh leL;k c<h g A rk nljh vkj ty d lkFk fofHkUu jlk;uk d fjlko d }kjk Hkfe e Hkhrj dh vkj tkdj Hkfe o ty L=krk dk inf"kr dj jg g A

blh rjg jlk;fud mojdk d i;kx e Hkh ifro"k 9&5 ifr'kr dh of) vkdh xb g rFkk gekjk n'k mu pkj cM n'kk e ekuk tkrk g tk cM ieku ij jklk;fud mojdk dk mi;kx dj jg g A blh rjg Hkkjr e Ñf"k jlk;uk d mi;kx e Hkh c<kRrjh nt dh x;h A tgk Hkkjr e lu 1971 e 24 gtkj Vu dh Vuk'kdk dk bLreky gkrk Fkk og c<dj 1991 e 82 gtkj Vu gk x;kA

i;koj.k d lkekftd ,o vkfFkd vk;kek dh vkj nf"Vikr dju l ,lk irhr gkrk g fd Ñf"k dh ykxr fnuk&fnu c<rh xb yfdu ml vuikr e Qly dk eY; ugh c<k A

**^^vFkok**

**Vid flpkb ¼Drip Irrigation½&**

flpkb dh bl fof/k u Ñf"k ckxokuh ,o i"ikRiknu d {k= e ub Økfr dk lpkj fd;k g A bl lMu flpkb i)fr d uke Hkh tkuk tkrk g A fo'o d dN fodflr n'kk e bl i.kkyh l 50&50 ifr'kr Hkfe e flpkb dh tkrh gA vU; flpkb dh i)fr;k dh ryuk e bll 30&60 ifr'kr rd ikuh dh cpr dh tkrh g rFkk 'k"d] v)'k"d] Åph&uhph Hkfe;k rFkk iorh; {k=k e flpkb ;Dr Ñf"k fd;k tk ldrk g A

flpkb dh bl i)fr e ty dh lgh ek=k ik/kk d iHkkoh {k= e nr g ikuh dh ek=k ik/kk dh i tkfr;k] me ik/k ifj{k= LFkku e j[kdj forfjr djr g A bld lkFk gh t :jr iMu ij ikuh e ?kyu'khy] ik"kd rRo o jklk;fud mojd Hkh ikuh e ?kkydj ik/kk d tM {k= e igpk; tkr g A

**Vid flpkb d ipyu c<u d dkj.k&**

¼1½ bl i)fr d ek/;e l 30&60 ifr'kr rd ikuh dh cpr gkrh g A

¼2½ mRikndrk e 50&100 ifr'kr rFkk mRiknu e 2&4 xuk rd of) gkrh g A

¼3½ Qlyk dh x.koRrk e l/kkj gkrk g A tl Lokn] jx ,o vkdkj bR;kfn A

¼4½ Je] /ku ty ,o le; dh cpr gkrh g A

¼5½ mtk dh cpr gkrh g A

¼6½ [krk ,o flpkb ukfy;k e vko';d [kjirokj ink ugh gkr g A

¼7½ mojdhdj.k }kjk 'k"d ,o l{e ik"kd rRok dk mi;kx ljy ,o iHkkoh <x l fd;k tkrk g A

¼8½ bl i)fr l mcM&[kkcM rFkk Åph&uhph tehuk dk mi;kx dj flpkb dj ldr g A

&&00&&

**Set - C**

# gk;j ld.Mjh Ldy lVhfQdV ijh{kk

## Higher Secondary 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) - ckjgoh %12oh%** **i.kkd 75 (M.M.)**

---

## (Instruction) & %funsZ'k%

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

Attempt all the Question

2- i'u Øekd 01 e 10 vad fu/kkfjr g A nks mi[k.M g A [k.M ^^v** e 05 cgfodYih; i'u rFkk [k.M ^^c** e 05 fjDr LFkkuksa dh ifr vFkok mfpr lc/k tksfM, A iR;sd i'u d fy, 1 vad 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;sd i'u ij 02 vad vkcfVr g A mRrj dh vf/kdre 'kCn lhek 30 'kCn A

Q. No. 02 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;sd i'u ij 03 vad 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;sd i'u e vkrfjd fodYi g vkj iR;sd i'u ij 04 vad 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 gA iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 05 vd vkcfVr gA mRrj dh vf/kdre 'kCn lhek 75 '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 75.

7- i'u Øekd 18 l i'u Øekd 19 rd nh?kmRrjh; i'u gA iR;d i'u e vkrfjd fodYi g vkj iR;d i'u ij 06 vd vkcfVr gA 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&¼v½ lgh fodYi pudj fyf[k; &

Write correct choice-

**(i)** iFoh ij to itkfr;k miyC/k g & ¼1½

¼v½ yxHkx 10 yk[k ¼c½ yxHkx 20 yk[k

¼l½ yxHkx 30 yk[k ¼n½ yxHkx 40 yk[k

There are about ..... living speices on EARTH

(a) 10 lakhs (b) 20 lakhs

(c) 30 lakhs (d) 40 lakhs

**(ii)** fdxfQ'kj itkfr dh J.kh e vkrk g & ¼1½

¼v½ ldVxLr ¼c½ ldVkiUu

¼l½ foyIr ¼n½ mijkDr lHkh

Kingfisher species falls in the category of

(a) Endangered (b) Threatened

(c) Extinct (d) All the above

**(iii)** ukxktu lkxj vH;kj.; in'k e fLFkr g & ¼1½

¼v½ vkU/k in'k ¼c½ rfeyukM

¼l½ djy ¼n½ e/; in'k

Nagarjun Sagar Sanctuary is in the state

(a) Andhra Pradesh (b) Tamil Nadu

(c) Keral (d) Madya Pradesh

**(iv)** in"k.k dk ley u"V ugh fd;k tk ldrk g & ¼1½

¼v½ ty in"k.k ¼c½ ukfHkdh; in"k.k

¼l½ ok; in"k.k ¼n½ enk in"k.k

The pollution that cannot be removed from roots

(a) Water Pollution (b) Nuclear Pollution

(c) Air Pollution (d) Soil Pollution

**(v)** vkFkd uhfr dk ?kVd ugh g & ¼1½

¼v½ ekfnd uhfr ¼c½ vk|kfxd uhfr

¼l½ jktufrd uhfr ¼n½ 0;kikfjd uhfr

It is not a component of economic policy

(a) Financial/Money Policy (b) Industrial Policy

(c) Political Policy (d) Trade Policy

[k.M ^c*

¼c½ fjDr LFkkuk dh ifr dhft;s &

Fill in the blank

**(i)** Hkkjr e yxHkx ----------ifr'kr vk"kf/k;k ik/kk l ikIr gkrh gA ¼1½

In India About ..... percent medicines are obtained from plants.

**(ii)** iFke ekuo fjikV lu ---------- e r;kj dh xb A ¼1½

First human report was made in .....

**(iii)** Qly pØ ---------- lj{k.k e lgk;d g A ¼1½

Crop roatation helps in ..... conservation.

**(iv)** uekxku nok dk i;kx ---------- d fy, fd;k tkrk g A ¼1½

Nemagon medicine is used for .....

**(v)** ljlk&puk ---------- Qly g A ¼1½

Mustard - green grams(channa) is ..... cropping.

i'u 2& ^tfod fofo/krk ,d eY;oku vkuokf'kd lk/ku g A* bl dFku dh if"V dhft, A ¼2½

"Bio-Diversity is an valueable hierarchy gift to man kind". Explain?

i'u 3& i;koj.k lj{k.k d fy, fdUgh nk ie[k pukfr;k dk uke nhft, A ¼1$1½

Write the names of any two challenges for enviroment conservation.

i'u 4& o{kk d dkb nk ykHk fyf[k, A ¼1$1½

Write any two benefits of trees.

i'u 5& Q0okjk flpkbZ D;k g \ ¼2½

What is sprinkler system of irrigation ?

i'u 6& vkfFkd {kfr Lrj l D;k le>r g \ ¼2½

What do you understand by economic loss level ?

i'u 7& vuokf'kd fofo/krk l D;k rkRi; g \ ¼3½

What do you understand by genetic diversity ?

i'u 8& foyIr itkfr;k fdl dgr g \ ¼3½

What are the extinct speices ?

i'u 9& /ofu in"k.k fu;U=.k d rhu mik; fyf[k, A ¼1$1$1½

Write three measure for the control of noise pollution ?

i'u 10& to ik|kfxdh dk i;kx Qly l/kkj d fdu {k=k e fd;k tk jgk g \ ¼3½

In which field of crop improvement is biotechnology is used ?

i'u 11& jk"Vh; m|ku ij lf{kIr fVIi.kh fyf[k, A ¼4½

Write short note on National Park ?

**^^vFkok OR^^**

vH;kj.; ij lf{ki fVIi.kh fyf[k, A ¼4½

Write short note on Sanctuary ?

i'u 12& lpkj r= D;k g \ nj rd ln'k Hkktu gr lpkj r= dk ifr:i cukb, A ¼2$2½

What is a communication system? Draw a model of communication system for sending messages to far of places?

**^^vFkok OR^^**

vkfFkd uhfr d fdUgh pkj ?kVdk dk o.ku dhft, A ¼1$1$1$1½

Explain any four components of economic policy.

i'u 13& lrr fodkl e ;ok dh Hkfedk dk o.ku dhft, A ¼4½

Explain the role of youths in Sustainable Development.

**^^vFkok OR^^**

lrr fodkl e m|kx legk dh Hkfedk dk o.ku dhft, A ¼4½

Explain the role of industrial groups in Sustainable Development.

i'u 14& ekuo d vfLrRo gr to fofo/krk vko';d g] D;k \ ¼4½

Why is Bio-Diversity important for existence of man kind?

**^^vFkok OR^^**

iÑfr e lryu cuk; j[ku d fy, to&fofo/krk dk lj{k.k vko';d g]

D;k \ ¼4½

Bio-Diversity conservation is important to balance nature,Why?

i'u 15& lrr fodkl ,o Hkfo"; d lHkkoukvk dh foopuk dhft, A ¼5½

Describe the sustainable development and future possibilities.

**^^vFkok OR^^**

xkeh.k icU/ku vkj lrr fodkl dh vko';drk dk fo'y"k.k dhft,A ¼5½

Analyse the need of Rural management & Sustainable development?

i'u 16& Qly pØ d dkb ikp fl)kr fyf[k, A ¼1$1$1$1$1½

Write any five principals of Crop Rotation.

**^^vFkok OR^^**

fefJr Qly d dkb ikp fl)kUr fyf[k, A ¼1$1$1$1$1½

Write any five principals of Mixed Cropping.

i'u 17& fuEu ij lf{kIr fVIi.kh fyf[k, & ¼2½$2½

¼1½ foyIr itkfr;k] ¼2½ ldVkiUu tkfr;k

Write short notes on:--

(i) Extinct Species (ii) Threatened species

**^^vFkok OR^^**

fuEu ij lf{kIr fVIi.kh fyf[k, A ¼2½$2½

¼1½ iR;{k eY;] ¼2½ viR;{k eY;

Write short notes on:--

(i) Direct value (ii) Indirect Value

i'u 18& gfjr Økfr d i;koj.k ij g, iHkkok dh foopuk dhft, A ¼6½

What are the main effects of green revolution on Enviroment ? Explain.

**^^vFkok OR^^**

Vid flpkb dk ipyu D;k c< jgk g \ le>kb, A ¼6½

Why is Drip Irrigation becoming popular? Explain?

i'u 19& i;koj.k lj{k.k ,o in"k.k fu;=.k d fy, 0;fDr dk lkekftd Lrj ij D;k djuk pkfg, A ¼6½

For conservation of Enviroment and Pollution control what should an individual do at social level?

**^vFkok OR****

i;koj.k ic/ku d bfFkdy ¼ufrd½ igy ij idk'k Mkfy, A ¼6½

Explain Ethical consideration of Enviromental management?

&&00&&

## ^lEiy mRrj**

[k.M ^v*

mRrj 1&¼v½

**(i)** & ¼c½ yxHkx 20 yk[k

**(ii)** & ¼l½ foylr

**(iii)** & ¼v½ vk/k in'k

**(iv)** & ¼c½ ukfHkdh; in"k.k

**(v)** & ¼l½ jktufrd uhfr

[k.M ^c*

**(i)** 90 ifr'kr

**(ii)** 1990

**(iii)** enk

**(iv)** l= Ñfe uk'kh

**(v)** fefJr

mRrj 2& fofo/k idkj d thok d dkj.k gh iFoh ij thou g ftle lHkh idkj d thok dk viuk fof'k"V ;kxnku g] to fofo/krk l thu] itkfr ,o ifjr= d vrlc/kk dh tkudkjh gkrh g A

mRrj 3& i;koj.k lj{k.k dh nk ie[k pukfr;k fuEu g &

¼1½ i;koj.k ,o in"k.k ,d leL;k A

¼2½ tyk'k;k e c<rh xnxh ,o vif'k"V A

mRrj 4& o{kk d ykHk &

¼1½ o{kk l ik.k ok; vkDlhtu ikIr gkrh g A

¼2½ o{kk d veY; vk"kf/k;k ikIr gkrh g A

mRrj 5& Q0okjk flpkb i)fr e ty dk Q0okj d :i e gok e NkMk tkrk g ftld dkj.k ty o"kk d ikuh dh rjg tehuh lrg ij Qlyk dk ikIr gkrk g A

mRrj 6& vkfFkd {kfr Lrj ij dhVk }kjk fd; x; Qly d udlku dk vf/kd le;

rd lgu u dj bl Lrj ij igpu l igy gh fu;=.k d mik;] vkfFkd {kfr Lrj dgykrk g A

mRrj 7& ,d gh itkfr d thok e gku okyh fofo/krk dk vkuokf'kd fofo/krk dgr gA iR;d tho e thu dk ,d leg gkrk g ,o fofHkUu idkj d thok e fofo/k idkj d thu leg ik; tkr g ,o tho d vkuokf'kd x.k e gku okyk ifjoru leLr thu leg e ifjoru dj nrk g A

mRrj 8& ,l thok dh tkfr;k tk iFoh l lekIr gk pdh g mUg foylr itkfr;k dgr g A mnkgj.k & Mk;uklkj] fdxfQ'kj vkfn A

mRrj 9& /ofu in"k.k fu;=.k d rhu mik; fuEu g &

¼1½ i'kj gku ij ikcnh A

¼2½ dkj[kkuk dk 'kgj l nj LFkkiuk A

¼3½ Vck tM btuk ij 'kkj voo'kk"kd dk i;kx A

¼;k vU; fu;=.k d mik;k ij Hkh vd fn; tko A½

mRrj 10& to ik|kfxdh dk i;kx Qly l/kkj d fuEukfyf[kr {k=k e fd;k tk jgk g&

¼1½ i;kx'kkyk e to fofo/krk oky tkfr;k dk lj{k.k A

¼2½ jkx jk/kh o dhV J.kh Qlyk dk fodkl A

¼3½ de enk dVko

¼;k vU; Qly l/kkj d mik; ij vd fn; tk; A½

mRrj 11& **jk"Vh; m|ku &** og ljf{kr {k= tk oU; thok dh mUufr o fodkl d fy, vkjf{kr gkrk g] rFkk ogk o{k mUeyu] pkj.k] vk[kV rFkk vU; ekuoh; fØ;kdykik ij ifrc/k jgrk g] jk"Vh; m|ku dgykrk g A

**Hkkjr d ie[k jk"Vh; m|ku &**

¼1½ dkcV jk"Vh; m|ku & mÙkjk[k.M

¼2½ lUnjou jk"Vh; m|ku & if'pe cxky

¼3½ fxj jk"Vh; m|ku & xtjkr

¼4½ ck/kox< jk"Vh; m|ku & e/;in'k

¼5½ n/kkok jk"Vh; m|ku & mRrj in'k

¼6½ dkxj ?kkVh jk"Vh; m|ku & NRrhlx<

^^vFkok**

**vH;kj.;&** ,l {k= ;k 'kj.k LFky tk oU; thok d cpko vkj n[k&j[k d fy, ljf{kr gkrk g] tgk dN lhek rd ekuoh; fØ;kdyki tl ?kkl dkVuk] Ñf"k vkfn dh vuefr gkrh g] vH;kj.; dgykrk g A

**ie[k vH;kj.; &**

¼1½ vpkudekj & fcyklij ¼N-x-½

¼2½ vUukeykb & rfeyukM

¼3½ ifV;kj & djy

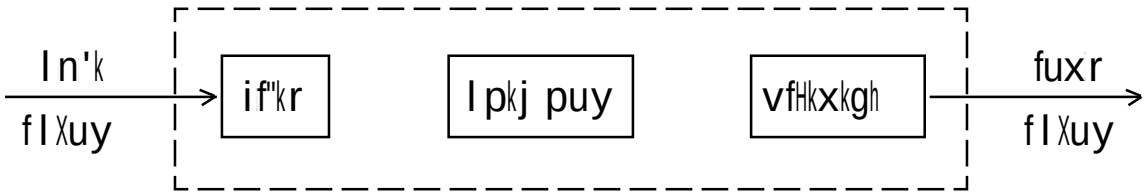
¼4½ jkuhij & mRrjin'k

¼5½ iyke & fcgkj

¼6½ ukxktu lkxj& vkU/k in'k

mRrj 12& **lpkj r=&** lpukvk dk ,d LFkku l nlj LFkku e Hktu dh rduhd dk lpkj r= dgr g A vktdy lpuk& i=&if=dk] iLrd] rkj] jfM;k vkfn ek/;e l tku yxh g A vf/kdre xfr o rduhd d dkj.k Vyhfotu] VyhQku] QDl] bVjuV] ekckby] ,l-,e-,l-] mixg lpkj l lpuk tYn igpkb tk ldrh g] ; lpkj r= dgykr g A

**ljyre lpkj r= &**




**^^vFkok****

**vkfFkd uhfr d 4 ?kVd fuEukulkj g &**

**¼1½ Ñf"kuhfr&** Ñf"k uhfr e Hk LokfeRo rduhdh] mRiknu dh ek=k eY;] ljdkj dh eY; uhfr] dhVuk'kd] ;=hdj.k vkfn 'kkfey g A fdlku Qly puko] mRiknu] foØ; foRr ic/k d fy, Lor= g A

**¼2½ vk|kfxd uhfr&** ljdkj vk|kfxd fodkl dk fu;fer o fu;f=r djrh g] vk|kfxd fodkl dk iHkkfor dju oky ljdkjh fl)kr] fu;e] foRr ic/k

vkfn dh 0;oLFkk djrh g A

¼3½ **0;kikfjd uhfr&** vk;kr&fu;kr uhfr;k] fon'kh 0;kikj dh fn'kk o LoHkko] m|kxk dk lj{k.k] fon'kh lgk;rk] Hkxrku vkfn A

¼4½ **ekfnd uhfr&** fdlh n'k dh ljdkj ;k dUnh; cd }kjk vFk0;oLFkk e fdlh fo'k"k vkfFkd mnn'; dh ikfIr d fy, lpkyu e enk dh ek=k o ic/k dk ekfnd uhfr dgk tkrk g A

mRrj 13& jk"V d fodkl e 0;fDr dh Hkfedk dh ckr d lkFk ;ok d ;kxnku dk j[kkfdr fd;k tkrk g A fdlh Hkh cM ifjoru d fy, jk"Vh; pfj= fuek.k d fy, vFkok n'k d fodkl d fy, tc Hkh egki:"kk u igy dh rc n'k d ;okvk dk gh vkgoku fd;k x;k A Lokeh foodkun vkj egkRek xk/kh u ;ok 'kfDr dk gh lcl vf/kd egRo fn;k A

o'ohdj.k vkj 'kgjhdj.k d nkj e Hkh ;okvk dh Hkfedk vx.kh g A teu vFk'kkL=h d vulkj Hkkjrh; vFk0;oLFkk rth l ixfr djrh gb 2020 rd fo'o dh rhljh lcl cMh vFk0;oLFkk cu ldrh g A ftll ;okvk dh vge Hkfedk g A n'k dh ;ok ox vkcknh fodkl e egRoi.k ;kxnku n jgh g A o{kkjki.k e Hkh budk egRoi.k ;kxnku g ftll lekt LoLFk gkxk ,o thou dh lkFkdrk fl) gkxh A

**^^vFkok****

n'k d vkfFkd fodkl e m|kx txr dh egrh Hkfedk g A ; i;koj.k dk inf"kr dju e Hkh ;kxnku ¼udkjkRed½ n jg g ftll ok; ,o ty inf"kr gk jgk g ,o Hkfe dh mojk 'kfDr de gk jgh g A vr% m|kxk }kjk tk in"k.k Qyk;k tk jgk g mldh {kfrifr ,o ic/k dh ftEenkjh Hkh bUgh legk dh gA

tl& vk|kfxd bdkb;k dk vif'k"V mipkfjr dj ty e 'kkfey dju l ty 'k) cuk jgxk ,o ok; Hkh inf"kr ugh gkxh A ,lh ik|kfxdh dk fodflr dj viuk;k tk, tk lkekftd ,o vkfFkd fodkl dk ikRlkfgr dj i;koj.k lj{k.k Hkh dj A xkeh.k jktxkj ,o Ñf"k vk/kkfjr m|kxk dk ikRlkgu nu okyh ik|kfxdh dk viuku dh vko';drk g A

mRrj 14& ekuo d LokFkijd iÑfr l dkb Hkh vufHkK ugh g A to&fofo/krk lj{k.k e

Hkh ekuo dk viuk fufgr LokFk fNik g] D;kfd fcuk viuh LokFk ifr d ekuo tkfr vU; tho tUrvk ,o ouLifr;k d lj{k.k ij tkj ugh n ldrk A ekuo tkurk g fd mldh leLr vko';drk, iR;{k vFkok viR;{k :i l to fofo/krk l tMh g] tk vuoj.k :i l viuh veY; lok, ge inku djr jg g] ; fdlh Hkh jk"V d vkfFkd] lkekftd] ikfjfLFkfrd rFkk vU; lHkh i{kk ij viuk 0;kid iHkko Mkyrh g A

^^vFkok**

iÑfr e lryu cuk; j[ku d fy, to fofo/krk dk lj{k.k fuEu dkj.kk l vko';d g &

¼1½ i;koj.k lryu gr A

¼2½ vk"k/kh; egRo dh nf"V l A

¼3½ ekuo vfLrRo dk cuk; j[ku d fy, A ¼dkb rhu fy[ku ij½

mRrj 15& lrr fodkl] og fodkl g tk oreku d vk/kkj ij Hkfo"; d thou Lrj e l/kkj yk ld A ikfjfLFkfrd lryu ,o i;koj.k lj{k.k dh lkFkdrk fVdkÅ fodkl ij vk/kkfjr g A fo'o e iM&ik/k] tho&tUr] i'k&i{kh rFkk ekuo dh mRifRr dk fuf'pr Øe cuk gvk g A lHkh vkilh rky ey }kjk viuh thoup;k i.k djr g A iÑfr d Øe dk tc Hkh rkMu dk ekuoh; i;kl gkrk g rc l gh vlryu dh fLFkfr cu tkrh g iÑfr dk Øe fujUrj ldfyr cuk jg bl gr ge ftruk nkgu djr g] mldh {kfrifr dk ic/ku Hkh vko';d g A tl ge ,d iM /kjrh ij cMk djr g] og iM vkdk'k e c<rk g] tehu l ikuh [khprk g] og ikuh ifRr;k d ek/;e l ok"ihÑr gk tkrk g A bl idkj ,d iM rhu okLrfodrkvk e lketL; LFkkfir djrk g A /kjrh] vkdk'k vkj ikuh dk lryu ,o irhdkRed ldyu g A iM }kjk {kfrifr 0;oLFkk dk ge nlj rjhd lHkh le> ldr g A ,d iM vkl&ikl d rki dk lk[k yrk g rFkk Nk;k inku djrk g A dkcu Mkb vkDlkbM d cny e thounk;h vkDlhtu NkMrk g A ,d iM dh ifRr;k] tkuokjk d Hkktu d :i e i;kx dh tkrh g] Qy Hkh ikIr gkr g] if{k;k ,o dhVk d fy, vkokl miyC/k djkrk g A iM d l[ku d ckn Hkh mldh ydMh d :i e mi;kx fd;k tkrk

g A lrr fodkl d fy, Hkfo"; dh lEHkkouk mi;Dr mnkgj.k l Li"V gk tkrh g A ge ikÑfrd txyk dk fouk'k jkduk gkxk A ge ftruk nkgu djr g] mld iuHkj.k dk ic/k Hkh djuk gkxk] rHkh ikfjfLFkfrd lryu cuk jgxkA

**^^vFkok**

xkok d cgrj Hkfo"; d fy, fu;kftr dk;Øe dh vko'drk g A ge tkur g fd gekj n'k d yxHkx 5 yk[k 30 gtkj xkok e n'k dh nk frgkb l vf/kd tul[;k fuokl djrh g A ge ;g Hkh tkur g fd n'k dh ixfr d fy, vc Hkh Ñf"k] i'kikyu rFkk vU; xkeh.k m|kxk d ic/ku i;klk dh vko';drk g A lrr fodkl gr xkeh.k ic/ku l lcf/kr fuEufyf[kr dk; fd; tk ldr g &

¼1½ xkeh.k {k=k dh vk|kfxd bdkb;k e ekuo llk/ku] foi.ku] lkekU; ic/ku rFkk foRr tl ic/ku d {k=k e lketL; LFkkfir djuk A

¼2½ Ñf"k Hkfe dk fujrj fo'y"k.k dj xkeh.kk dh vko';d l>ko nr jguk A

¼3½ i'kikyu rFkk eRL; ikyu tlh lHkkoukvk dk c<kuk A

¼4½ fodflr n'kk dh ifjfLFkfr;k d vulkj lrr fodkl gr viuk; tk ldu dk fo'y"k.k djuk A

mRrj 16& fofHkUu Qlyk d Qly pØ cukr le; fuEufyf[kr fl)kUr /;ku e j[ku pkfg, &

¼1½ xgjh tMk okyh Qlyk d ckn de xgjh tMk okyh Qly mxkb tkrh g] ftll fd Qly fofHkUu enk lrgk l viuk ik"kd rRo xg.k dj ld A

¼2½ vnyguh Qlyk d ckn nyguh Qly mxkuh pkfg, A vnyguh Qly feVVh dh ukbVktu dk ydj detkj cukrh g A tcfd nyguh Qlyk dh tMk e ik;k tku okyk jk;tkfc;e cDVhfj;k feVVh e ok;eMy dh ukbVktu dk fLFkjhdj.k djrk g A

¼3½ vf/kd ty pkgu okyh Qlyk d ckn de ty pkgu okyh Qly mxkuh pkfg, D;kfd yxkrkj vf/kd ty pkgu okyh Qlyk d mxku l feVVh e ok; lpkj :d tkrk g A bll feVVh e mifLFkr l{e thok dh fØ;kvk ij gkfudkjd iHkko iMrk g A

¼4½ vf/kd [kkn pkgu okyh Qlyk d ckn de [kkn pkgu okyh Qly mxkuh pkfg,] ftll feVVh dh mojrk ljf{kr jg A

¼5½ vf/kd fujkb&xMkb pkgu okyh Qlyk d ckn de fujkb&xMkb pkgu okyh Qly mxkuh pkfg, A

¼vU; fl)kUrk ij Hkh vd fn; tk; A½

**^^vFkok****

**fefJr [krh d fl)kUr&** Qly d feJ.k r;kj dju d fy, fuEufyf[kr e[; fl)kUr /;ku e j[ku pkfg,&

¼1½ fefJr Ñf"k d fy, puh xb Qly feVVh ty rFkk tyok; d lfo/kkulkj ckVuh pkfg, A

¼2½ vnyguh Qlyk d lkFk nyguh Qlyk dk feJ.k djuk pkfg, A

¼3½ Åph c<u okyh Qlyk d lkFk Hkfe e Qydj pyu okyh Qly ckuh pkfg,A

¼4½ xgjh tM okyh Qlyk d lkFk mFkyh tM okyh Qly ckuh pkfg, A

¼5½ ,d gh idkj d dhV rFkk chekfj;k dk 'kj.k nu okyh Qlyk dk ,d lkFk ugh ckuk pkfg, A

¼vU; fl)kUrk ij vd fn; tk; A½

mRrj 17& **foylr itkfr;k&** ,l thok dh tkfr;k tk li.k fo'o l xk;c gk pdh g ,o mudh dgh Hkh feyu dh lHkkouk ugh g A foylr itkfr;k dh J.kh e vkr g A

**mnkgj.k&** fdxfQ'kj] Mk;uklkj] yky ikMk] D;cuyky rkrk vkfn A

,d ckj foylr gku ij fdlh tkfr d fof'k"V thu dHkh iklr ugh gk ldrA ekuo cM ieku ij fofHkUu LFkyh;] tyh; ,o ok;oh; ikf.k;k dk f'kdkj djrk g] ftll dkj.k vud tho tkfr;k lnk&lnk d fy, to eMy l foylr gk xb g A

eu"; d LokFkh ,o vekuoh; fØ;k dykik d dkj.k vud tfod tkfr;k dh foyflr dk [krjk c< tku d dkj.k oreku e lj{k.k dh egrh vko';drk g A

**ldVkiUu tkfr;k&** ,l thok dh tkfr;k ftud Hkfo"; e ldV e iMu dh

lHkkouk g] ldVkiUu tkfr;k dh J.kh e vkr g A bu thok dh l[;k /khj& /khj de gkrh tk jgh g A blfy, budk mi;kx lhfer gk x;k g vr% bud ?kVr jgu dh lHkkouk c<rh tk jgh g A

**mnkgj.k&** n'kh xk;] Hkl] cdjh ,o reke rjg d Qlyk dh n'kh itkfr;k A

dN ,lh Hkh ldVkiUu tkfr;k g ftudk eu"; d }kjk doy 'kkd ;k nok d :i e f'kdkj dj fn;k tkrk g A QyLo:i budh l[;k e Hkh Hkkjh fxjkoV vk jgh g A

**tl&** 'kj] ck?k] Hkky] gkFkh] fgj.k vkfn A

**^^vFkok**

**iR;{k eY;&** link mRiUu dj mldk eY; d :i e mi;kx djuk miHkkx eY; dgykrk g A vk;kr&fu;kr lkf[;dh dk fujh{k.k dj bld vU; ykHkk d vk/kkj ij iR;{k eY; dk nk Hkkxk e foHkDr fd;k x;k g A

og link ftl LFkkuh; Lrj ij miHkkx fd;k tkrk g rFkk ftudk jk"Vh; vrjk"Vh; ckt kj e mYy[k ugh gkrk {k;'khy miHkkx eY; dgr g A

**mnkgj.k&** txy dh tykÅ ydMh dk LFkkuh; fuokLh b/ku d :i e mi;kx djr g A

og link ftldh inkokj txy e gkrh g yfdu miHkkx jk"Vh; ,o vrjk"Vh; ckt kj e Hkh gkrk g] mRiknh miHkkx eY; dgykrk g A bul vkfFkd ykHk gkrk g A

**mnkgj.k&** txy dh bekjrh ydMh dk ikIr djd bldk 0;kikfjd mi;kx gkrk gA

**tl&** txy dh bekjrh ydMh dk ikIr djd bldk 0;kikfjd mi;kx gkrk g A tl lkxku] 'kh'ke] cht k vkfn A

**viR;{k eY;&** viR;{k eY; dk vFk g & linkvk d 0;fDrxr miHkkx d fcuk vkfFkd ykHk gkuk A ;g og ykHk g tk to fofo/krk }kjk ink; fd; tkr g ftle link u rk mRiUu gkrh g vkj u gh mldk uk'k gkrk g A

bl idkj d viR;{k eY; d ykHk d vrxr eukjtu] f'k{kk] oKkfud vul/kku] ty dh x.koRrk] ekuoh; lekt d fy, Hkkoh fodYi mRiUu djuk vkfn vkr g A

to fofo/krk dk oreku le; e vud egRo g ;g ikÑfrd tho cd g A bUgh d }kjk vud itkfr;k ikÑfrd :i l mRiUu gkrh jgrh g A feVVh] tyok; vkj ikÑfrd ouLifr;k bu thok d fy, vk/kkj curh g A ikÑfrd thu }kjk ikIr vkuokf'kd fofo/krk gh [krh] m|kx o nokb;k d fodkl e Hkjij ;kxnku inku djrh g A

bld vfrfjDr vkuokf'kd fofo/krk ,o to fofo/krk] ty] feVVh dk lj{k.k] fodflr itkfr;k dk l tu dju gr telykte nkrk dh rjg gh ugh vfir mud ijkx.k] fu"kpu ,o vxyh ih<h ink dju dk okrkoj.k r;kj dju d fy, ftEenkj g A

mRrj 18& gekj n'k e gfjr Økfr dk ikjHk lu 1968 e Ñf"k mRiknu e vk;h vnHkr Økfr l n[kk x;k A bl of) e mUur fdLek dh ckuh itkfr;k d xg] /kku d chtk dk mi;kx fd;k x;k A

fiNy 10 o"kk e Ñf"k jlk;u lc/kh vlrfyr i;kxk u i;koj.k dk i;kIr {kfr igpk;h g A flpkb dh lfo/kk c<u l [kk|kUu Qlyk dh ryuk e /kku xg dk gh jdck c<k g rFkk ijEijkxr Qlyk dh ?kkj mi{kk gb g A ty d flpkb e vf/kd mi;kx l ,d vkj rk enk e yo.kh dj.k o {kkjh;dj.k dh leL;k c<h g A rk nljh vkj ty d lkFk fofHkUu jlk;uk d fjlko d }kjk Hkfe e Hkhrj dh vkj tkdj Hkfe o ty L=krk dk inf"kr dj jg g A

blh rjg jlk;fud mojdk d i;kx e Hkh ifro"k 9&5 ifr'kr dh of) vkdh xb g rFkk gekjk n'k mu pkj cM n'kk e ekuk tkrk g tk cM ieku ij jklk;fud mojdk dk mi;kx dj jg g A blh rjg Hkkjr e Ñf"k jlk;uk d mi;kx e Hkh c<kRrjh nt dh x;h A tgk Hkkjr e lu 1971 e 24 gtkj Vu dhVuk'kdk dk bLreky gkrk Fkk og c<dj 1991 e 82 gtkj Vu gk x;kA

i;koj.k d lkekftd ,o vkfFkd vk;kek dh vkj nf"Vikr dju l ,lk irhr gkrk g fd Ñf"k dh ykxr fnuk&fnu c<rh xb yfdu ml vuikr e Qly dk eY; ugh c<k A

**^^vFkok****

**Vid flpkb ¼Drip Irrigation½&**

flpkb dh bl fof/k u Ñf"k ckxokuh ,o i"ikRiknu d {k= e ub Økfr dk



virendra

lpkj fd;k g A bl lMu flpkb i)fr d uke Hkh tkuk tkrk g A fo'o d dN fodflr n'kk e bl i.kkyh l 50&50 ifr'kr Hkfe e flpkb dh tkrh gA vU; flpkb dh i)fr;k dh ryuk e bll 30&60 ifr'kr rd ikuh dh cpr dh tkrh g rFkk 'k"d] v)'k"d] Åph&uhph Hkfe;k rFkk iorh; {k=k e flpkb ;Dr Ñf"k fd;k tk ldrk g A

flpkb dh bl i)fr e ty dh lgh ek=k ik/kk d iHkkoh {k= e nr g ikuh dh ek=k ik/kk dh itkfr;k] me ik/k ifj{k= LFkku e j[kdj forfjr djr g A bld lkFk gh t:jr iMu ij ikuh e ?kyu'khy] ik"kd rRo o jklk;fud mojd Hkh ikuh e ?kkydj ik/kk d tM {k= e igpk; tkr g A

**Vid flpkb d ipyu c<u d dkj.k&**

¼1½ bl i)fr d ek/;e l 30&60 ifr'kr rd ikuh dh cpr gkrh g A

¼2½ mRikndrk e 50&100 ifr'kr rFkk mRiknu e 2&4 xuk rd of) gkrh g A

¼3½ Qlyk dh x.koRrk e l/kkj gkrk g A tl Lokn] jx ,o vkdkj bR;kfn A

¼4½ Je]/ku ty ,o le; dh cpr gkrh g A

¼5½ mtk dh cpr gkrh g A

¼6½ [krk ,o flpkb ukfy;k e vko';d [kjirokj ink ugh gkr g A

¼7½ mojdhdj.k }kjk 'k"d ,o l{e ik"kd rRok dk mi;kx ljy ,o iHkkoh <x l fd;k tkrk g A

¼8½ bl i)fr l mcM&[kkcM rFkk Åph&uhph tehuk dk mi;kx dj flpkb dj ldr g A

mRrj 19& **i;koj.k lj{k.k&** in"k.k dh jkdFkke d fy, ge lHkh dk lekt d lkFk tMdj i;koj.k in"k.k fu;=.k lc/kh dk;Øe LFkkuh;] iknf'kd ,o jk"Vh; Lrj ij cuk, tku pkfg, A gekjk ;g i;kl gkuk pkfg, fd ge pkjk vkj Qy jg in"k.k dk jkd & ;g rc lHko g

¼1½ ljdkj }kjk lHkh m|kxk d in"k.k jk/kd l;= yxkuk vfuok; cukuk pkfg,A

¼2½ in"k.k d fu;ek dk dMkb l ikyu gk A le;≤ ij tkp A

¼3½ xyh ekgYyk e dM&dpj d <j u yxu n A

¼4½ xnxh d ckj e ykxk dk tkx:d cuk;k tko A

¼5½ okguk dh le;≤ ij in"k.k lc/kh tkp gk A

¼6½ ouk dh vko';drk dVkb jkdh tkuh pkfg, A

¼7½ c<r e:LFky dk jkdu o{kkjki.k dh ;ktukvk dk c<kok A

¼8½ m|kxk d vif'k"V inkFkk dk ty e NkMu l jkdk tk, A

¼9½ vif'k"V inkFkk d mipkj mijkUr gh 'k) ty e feyku dh vuefr nh tkoA

¼10½ vk|kfxd HkfVV;k dh fpefu;k Åpkb ij gk A

¼11½ m|kxk dh LFkkiuk vkcknh l nj gk A

¼12½ xkeh.k {k=k e xkcj dk [ky e ckgj Mkyu dh vuefr u gk A

**^^vFkok**

**i;koj.k ic/ku d bfFkdy ¼ufrd½ igy&**

ekuo d pkjk vkj dk vkoj.k i;koj.k dgykrk g ;g tfod] vtfod] vkfFkd] lkLÑfrd] rduhdh] lekftd idkj dk gkrk g A bl vkoj.k dk ge lj{k.k djuk pkfg, A ;g gekjk ufrd nkf;Ro g] bld lj{k.k e gekjk lHkh dk fgr g A

;fn fdlh leL;k d lek/kku e ge lfØ; ugh g rk viR;{k :i l leL;k dk c<ku e ge ftEenkj g A

**i;koj.k d ifr gekjk ufrd dr0;&**

**¼1½ ikuh dk cpko&** ty g rk dy g] ty gh thou g] Hkfo"; dh lj{kk gr ty dh cpr vko';d g] mi;kx fd, ikuh dk iu%pØ.k vU; dk;k e fd;k tkuk pkfg, A

**¼2½ fctyh cpkb,&** fctyh dk cpkdj dk;y dh cpr dh tk ldrh g vuko';d cYc] i[kk dk mi;kx u dj A mRlok d dk;Øe fnu e dj rkfd Åtk cp ld A

**¼3½ dkxt cpkb,&** dkxt o{kk l r;kj gkrk g] dkxt cpkdj o{kk dk cpk;k tk ldrk g] jnnh dkxt dk tyk, ugh cfYd ndkuk ij cp n rkfd fjlkb& fdfyx fd;k tk ld A

**¼4½ lykfLVd&** lykfLVd ,d vfo?kVu'khy inkFk g ftle gkfudkjd rRo gkr g] tk i;koj.k d fy, vR;Ur gh gkfudkjd g A vr% lykfLVd d LFkku ij dkxt] dkp] feVVh] /kkr l cuh oLrvk dk i;kx dj A

¼5½ **lkcu&** lkcu ikuh e cgdj unh] ukyk dk nf"kr djrk g A

¼6½ **cxhpk yxk,&** 'k) ok; ikIr dju gr] /ofu] ok;] ty] enk in"k.k jkdu gr cxhp yxk, A

¼7½ **okgu in"k.k&** okguk dh l[;k fu;f=r dj A ifCyd okgu dk i;kx vf/kd dj A btuk dk j[kj[kko le;≤ ij djko A

&&00&&