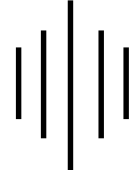




I xi y&itu i =



d{kk XII oha



QI y mRi knu , oa m | ku 'kkL=

1/4o | k\$pr i tkkx1/2

NÜkhl x<+ek/; fed f'k{k e.My] jk; i j

iʒu & i = dh ; kst uk Scheme of Question Paper

fo"i; %& Ql y mRi knu , oa m | ku 'kkL=

i wkk&l %75

l e; %3 ?k&/s

i jh{k k % gk; j l ds Mjh %12oh&

¼½ 'k&f.kd mn&ŝ; ds vu& kj eku

(A) Weightage as per Educational objective:

l 0 Ø0	mn&ŝ ;	v&d	i fr'kr
1-	Kku (Knowledge)	30	40%
2-	vock&k (Understanding)	30	40%
3-	vu&ŝ; k&x , oa d&ŝty (Application & Skill)	15	20%
	; k&x	75	100%

¼½ b&dkb&ŝkj v&dks dk eku

l 0Ø0	b&dkb&ŝ dk uke	b&dkb&ŝ ij v&lc&ŝvr v&d	iʒu&i = ds ik: i vu&ŝ kj v&lc&ŝvr v&d
1-	ty fudkl	05	05
2-	Hk&l o&ŝk.k	05	05
3-	i k&ŝ l j {k.k	10	10
4-	Ql y pØ , oa 'k"; Øe ; kst uk	05	05
5-	[k&ŝh dh fof/k; ka , oa [k&ŝh ds i &ŝkj	05	05
6-	Ql yka dh [k&ŝh	15	15
7-	Ñf"i i &ŝ kj l &ŝk, a	05	05
8-	vy&ŝr m kfudh	07	07
9-	i k&ŝk i &ŝ/k&ŝ , oa Qyka dh [k&ŝh	10	10
10-	Qyka rFkk l f&ŝt; ka dh i jh{j.k.k dh rdudh	08	08
	; k&x	75	75

¼ ½ dfBukbZ Lrj (Difficulty Level)

l 0 Ø0	mnaŝ ;	vɔd	i fr'kr
1-	ljy (Easy)	30	40%
2-	vŝ r (Average)	30	40%
3-	dfBu (Difficult)	15	20%
	; ksx	75	100%

¼½ izui = fn'kk funŝk , oa fodYi ; kstuk %

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

- olrfu"B izu ea ¼½ cgjodYih; izu rFkk ¼½ fjDr LFkku dh i fr'z@mfr t kmh
cuk, dk izu fn;k tkoxk vŝ ; g i R; d l v ea izu Øekd 1 gskk A
- i R; d l v ea 1] 2 , oa 3 vŝka ds izuka ea fhkUrj jgsh A l eLr 04 vŝ ; k bl l s
vf/kd vŝks ds y?kqñÜkj h; rFkk nh?kznÜkj h; izuka ea fodYi fn;k tkuk gSA fodYi
izu ml h bdkbZ l srFkk l eku mnaŝ ; ka ds jgsk 04 vŝ ; k bl l s vf/kd vŝks ds
izu i R; d l v ea , d l eku jgsk A
- vf/kdre mÜkj l hek vfry?kqñÜkj h; ¼ vŝ @30 'kñ½ ¼ vŝ @50 'kñ½
y?kqñÜkj h; ¼ vŝ @75 'kñ½ ¼ vŝ @150 'kñ½
nh?kznÜkj h; ¼ vŝ ; k vf/kd @250 'kñ½

iʒu & i = dk Cyfi IV

Blue Print of Question Paper

fo'k; % Ql y mRi knu , oa m | ku 'kkL=

i wkkd %75

l e; %3 ?k/s

i jh{k k % gk; j l ds Mjh %120h

bdkbz l-Ø-	bdkbz	bdkbz ij vkcfVr vð	vðokj iʒu							dy iʒu
			1 vð	2 vð	3 vð	4 vð	5 vð	6 vð	6 vð ; k bl l s vf/kd	
1	ty fudkl	5	&	1	1	&	&	&	&	2
2	Hk&l oʒk.k	5	2	&	1	&	&	&	&	(2+1)
3	i kʒk l j {k.k	10	1	&	1	&	&	1	&	(1+2)
4	Ql y pØ , oa 'k"; Øe ; kst uk	5	&	&	&	&	1	&	&	1
5	[ksh dhfof/k; ka o [ksh ds iʒkj	5	&	&	&	&	1	&	&	1
6	Ql yka dh [ksh	15	1	&	1	&	1	1	&	(1+3)
7	Ñf'k iʒ kj l ok, j	5	1	&	&	1	&	&	&	(1+1)
8	vyÑr m kfudh	7	1	1	&	1	&	&	&	(1+2)
9	i kʒk i d/kʒ , oa Qyka dh [ksh	10	2	2	&	1	&	&	&	(2+3)
10	Qykar Fkk l fct; ka ds i j h j {k.k dh rduhd	8	2	1	&	1	&	&	&	(2+2)
	; kx %vð½	75	10	10	12	16	15	12	&	75 vð
	; kx %l d ; k½		1(10)	5	4	4	3	2	-	(1+18)

Set - A

ಗ್ರಾ. ಜಿ. ಹಿ. ಸ. ಪರೀಕ್ಷೆ
Higher Secondary School Certificate Examination

ಒಂದು ಉದಾಹರಣೆ

SAMPLE PAPER

ಒಂದು (Subject) - ಒಂದು ಮರಣಿ, ಒಂದು ಮರಣಿ

ಒಂದು 3 ಗಂಟೆ (Time- 3 Hrs)

ಒಂದು (Class) - ಒಂದು ವರ್ಗ

ಒಂದು 75 (M.M.)

(Instruction) & ಒಂದು ಉದಾಹರಣೆ

1- ಒಂದು ಉದಾಹರಣೆ ಒಂದು ಉದಾಹರಣೆ

Attempt all the Question

2- ಒಂದು ಉದಾಹರಣೆ 01 ಉದಾಹರಣೆ 10 ಉದಾಹರಣೆ ಒಂದು ಉದಾಹರಣೆ [k.M gSA [k.M ^v** ಉದಾಹರಣೆ 05
ಒಂದು ಉದಾಹರಣೆ; ಒಂದು ಉದಾಹರಣೆ [k.M ^c** ಉದಾಹರಣೆ 05 ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ
ಒಂದು ಉದಾಹರಣೆ, ಒಂದು ಉದಾಹರಣೆ; ಒಂದು ಉದಾಹರಣೆ, ಒಂದು ಉದಾಹರಣೆ ಉದಾಹರಣೆ

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. Each question carries 1 marks.

3- ಒಂದು ಉದಾಹರಣೆ 02 ಉದಾಹರಣೆ ಒಂದು ಉದಾಹರಣೆ 06 ಉದಾಹರಣೆ ಒಂದು ಉದಾಹರಣೆ; ಒಂದು ಉದಾಹರಣೆ ಉದಾಹರಣೆ; ಒಂದು ಉದಾಹರಣೆ
ಒಂದು ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ

Q. No. 02 to 06 are very short answer type question & carries 02 marks each. Maximum word limit 30 words.

4- ಒಂದು ಉದಾಹರಣೆ 07 ಉದಾಹರಣೆ ಒಂದು ಉದಾಹರಣೆ 10 ಉದಾಹರಣೆ ಒಂದು ಉದಾಹರಣೆ; ಒಂದು ಉದಾಹರಣೆ ಉದಾಹರಣೆ; ಒಂದು ಉದಾಹರಣೆ ಉದಾಹರಣೆ
ಒಂದು ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ

Q. No. 07 to 10 are short answer type question & carries 03 marks each. Maximum word limit 50 words.

5- ಒಂದು ಉದಾಹರಣೆ 11 ಉದಾಹರಣೆ ಒಂದು ಉದಾಹರಣೆ 14 ಉದಾಹರಣೆ ಒಂದು ಉದಾಹರಣೆ; ಒಂದು ಉದಾಹರಣೆ ಉದಾಹರಣೆ; ಒಂದು ಉದಾಹರಣೆ ಉದಾಹರಣೆ
ಒಂದು ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ ಉದಾಹರಣೆ

Q. No. 11 to 14 are short answer type question & carries 04 marks each. Each question has internal choice. Maximum word limit 75 words.

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 vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 100 'kCn A

Q. No. 15 to 17 are long answer type question & carries 05 marks each.

Each question has internal choice. Maximum word limit 100 words.

7- izu Øekad 18 Isizu Øekad 19 rd nh?kzmRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkj iR; d izu ij 06 vad vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 150 'kCn A

Q. No. 18 to 19 are long answer type question & carries 06 marks each.

Each question has internal choice. Maximum word limit 150 words.

I gh fodYi pꝑdj fyf[k; s &

(1x5=5)

Choose the correct alternative-

- (i) fuEu tjhc eafdl dh yEckbz 100 QhV gkrh gS &
 ¼½ ehVj tjhc ¼½ vfHk; Urk tjhc
 ¼ ½ jØ; q tjhc ¼½ x.Vj tjhc

Which of the following chain is 100 feet in length-

- (a) Meter chain (b) Engineer chain
 (c) Revenue chain (d) Guntar chain
- (ii) dkcbMkfte gS, d &
 ¼½ thok.kq uk'kh ¼½ [kji rokj uk'kh
 ¼ ½ QQm uk'kh ¼½ mijkDr l Hkh

Corbendazim is a -

- (a) Bacteriacide (b) Weedicide
 (c) Fungicide (d) All of the above
- (iii) /kku dk ifjokj gS &
 ¼½ xfeuh ¼½ ekyod h
 ¼ ½ Ø hQjh ¼½ l ksyud h

The family of paddy is-

- (a) Graminee (b) Malvaceae
 (c) Cruceferae (d) Solanaceae
- (iv) fuEu i kSks dk okuLifrd uke eS/xQjk bMdk gS &
 ¼½ uhcw ¼½ ve: n
 ¼ ½ vkpyk ¼½ vke

The botanical name *Mangifera indica* is of -

- (a) Lemon (b) Guava
 (c) Aonla (d) Mango

- (v) fuEu dh tkp tsy ehVj l sdjrs g& &
 1/2 i sDVu] 1/2 tsyh ifji Do fclnw
 1/2 rki eku 1/2 mijkDr l Hkh

The following is Judged by Jelmeter

- (a) Pectin (b) Jelly making point
 (c) Temperature (d) Above in all

[k.M ^V** / Section "A"

fjDr LFkuka dh i frz djks &

1/4 x 5 = 5)

Fill in the blanks -

- (i) iR; d t jhc ds l kFk rhjka dh l ; k ----- gkrh gSA
 The number of Arrow with each chain is
- (ii) 1y'sk dkmz i l kj dk ----- l k/ku gSA
 Flash card is aids of extension
- (iii) ^yky ckx** ----- ea gSA
 "Lal Bag" is in
- (iv) ^xokfy; j 27** ----- dh fdLe gSA
 "Gwalior 27" is variety of
- (v) tsyh ----- °C rkiØe ij id tkrh gSA
 Jelly gets ripenedin °C temperature

- izu 2& ty fudkl xqkkad dks i fjHkkf"kr dhft, A 1/2 1/2
 Define Drainage coefficient.
- izu 3& 'ksy m | ku dks l ;ki ea l e>kb; sA 1/2 1/2
 Explane Rock Garden in brief.
- izu 4& Vh&cfMax dk ukekfd r fp= cukb; sA 1/2 1/2
 Draw a labelled diagram of T-budding.
- izu 5& dktwdh tyok; q l ;ksi ea l e>kb; sA 1/2 1/2
 Explain the climate of Cashewnut in brief.

izu 6& Cykfpax D; ka dh tkrh gS \ ¼ \$1¾2½

Why blanching is done ?

izu 7& ty fudkl ds dkbZ N% ykHk fyf[k, A (½x6=3)

Write any six advantages of Drainage.

izu 8& , d ehVj tjhc l s 500 ehVj dh njh uki h x; h A tjhc 0-3 ehVj cMh Fkh A
j[kk dh okLrfod njh Kkr dhft, A ½

A 500 meter distance is measured by meter chain. The chain is defective which is 0.3 meter longer than the standard chain. Calculate the actual length of the line.

izu 9& ^dka ** [kji rokj dk fu; .k ds sdjks \ l e>kb; sA ½

How will you control "Kaans" (*Soccharum spontaneum*)

izu 10& xluk dh [krh dh tkudkjh fuEu fcUnp/ka ea nhft, & ½

Give following information of sugar cane cultivation -

(a) okll ifrd uke (Botanical name)

(b) ifjokj (Family)

(c) mi t (Yield)

izu 11& tokgj jkst xkj ; kst uk dks l [ksi ea l e>kb; sA ¼

Explain 'Jawahar Rozgar Yojna' in brief.

^vFlak (OR)**

vkS pkfjd f'k{k.k , oa vukS pkfjd f'k{k.k ea varj fyf[k, A ½ dkbZ 8½ (½x8)

Write difference between formal and non formal education. (any eight)

izu 12& Hkkj rh; Nf"k vuq dku l .Fku }kj fodfl r xykc dh dkbZ vkB fdLea ds
uke fyf[k, A (½x8)

Write any eight variety of Rose which is released by I.A.R.I.

^vFlak (OR)**

, d vPNh gfj; kyh dh dkbZ vkB fo' kSkkrk, i fyf[k, A (½x8)

Write any eight characteristics of good Lawn.

izu 13& vkrfjd dkjd vke ds , dklrj Qyu dksfdl idkj i Hkkfor djrk gS \ ¼

How does internal causes affect alternate bearing of Mango.

^vFkok (OR)**

I kbM xsfj/x dk I fp= o.ku dhft , A 1/2\$2¾4½

Describe side grafting with a labelled diagram.

izu 14& I rjk Ldb'sk cukus dh vko' ; d I kexh , oafof/k fyf[k, A 1/2\$2¾4½

Write essential materials and method of preparing Orange squash.

^vFkok (OR)**

Qy , oal Cth ifjj{k.k ds vLFkk; h fl)kr fyf[k, A ¼dkbz pkj½ (1x4=4)

Write temporary principles of fruit and vegetable preservation. (any four)

izu 15& 'kL; ; kst uk dh fo'kkrk, i fyf[k, A ¼dkbz i kp½ (1x5=5)

Write characteristics of cropping scheme.

^vFkok (OR)**

mRre QI y pØ ds vko' ; d y{k.k fyf[k, A ¼dkbz i kp½ (1x5=5)

Write essential criteria of good crop rotation. (Any five)

izu 16& 'kqd [ksh dh ubz rdudh dks I qki ea I e>kb; sA 1/5½

Explain new technology of dry farming in brief.

^vFkok (OR)**

vrortz [ksh ds izdkjka dks I qki ea I e>kb; sA 1/5½

Explain types of inter cropping in brief.

izu 17& iMh QI y I svf/kd mi t ikr djus dsfy, I qko fyf[k, A ¼dkbz ni ½

(½x10=5)

Write suggestion for fetching more yield from Ratoon cropping

^vFkok (OR)**

I ks kchu I svf/kd mRi knu ikr djus dsfy, I qko fyf[k, A ¼dkbz ni ½

(½x10=5)

Write suggestion for fetching more yield from Soyabean. (any ten)

izu 18& I jtedqkh dh [ksh fuEu fcUnq/ka ea I qki ea I e>kb; sA (1x6=6)

1/2½ egRo] 1/2½ tyok; j 1/4 ½ Hkfe

1/4½ [kkn , oamo]d 1/2½ chtnj 1/2½ mi t

Explain cultivation of Sunflower on following points in brief.

- (a) Importance (b) Climate (c) Soil
(d) Manures and fertilizers (d) Seedrate (f) Yield

OR

Explain production method of Oyster Mushroom in brief. (1x6=6)

Write the mechanical method of weed control. (any six) (1x6=6)

Write the cultural method of insect pest control. (any six)

OR

Write the cultural method of insect pest control. (any six) (1x6=6)

00

d{kk 12oha
fo"k; & Ql y mRi knu ,oa m|ku 'kkL=
^l £i y mRrj**

mRrj 1& [k.M ¼½ oLrñu"V itu (1x5=5)

- (i) & c
- (ii) & l
- (iii) & v
- (iv) & n
- (v) & v

[k.M ¼½ fjDr LFku (1x5=5)

- (i) 10
- (ii) n' ;
- (iii) cxykš
- (iv) ve: n
- (v) 104-6°C

mRrj 2& fdl h Hkh Kkr {ks=Qy l s24 ?k/sdh vof/k dsnkš ku ftruh xgjkbzrd ds i kuh
 dk fudkl fd; k tkrk gSml s ty fudkl xqkkad dgrsgš A ½½

mRrj 3& m|ku ds varxñ i RFkja; k pVVkukadh Ñf=e i gkMh cukdj ml ea>kfM+ k; ; k
 i kšks mxkuk 'kšy m|ku gSA bl eafo'kškdj Qu] i je] Mšl uk] dñVI vkfn
 i kšks yxkrs gš A ½½

mRrj 4&

mRrj 5& dktwds tyok; qxeZ, oavkn] l epzrVh; {ks= mi ; Ør] vf/kd 'khr eaupl kuA
 ½gkfudkj d½ ½½

mRrj 6& Cykfpax djrs g\$ D; kfid&
 ¼½ vuko'; d rFkk gkfudkj d , Utke u"V gks tkrs g\$A
 ½½ Qyka ds vanj mi lFkr vkØI htu de gks tkrh g\$A
 ¾½ Qy eyk; e rFkk uje gks tkrs g\$A
 ¼½ thok.kq/ka dh l [; k de gks tkrh g\$A
 ½½ yl yl sinkFkZ rFkk nqØ/k ckj fudy tkrs g\$A
½dkbz nks dkj .k fy[kus ij 2 vad½

mRrj 7& ty fudkl ds ykHk & (½x6=3)
 ¼½ enk ea ok; q l pkj c<rk g\$A
 ½½ [kr dh r\$ kjh , oa cØkbZ l e; ij dh tk l drh g\$A
 ¾½ ty Lrj uhpk gks tkrk g\$A
 ¼½ Hkfe dh Hkk\$rd jkl k; fud , oa t\$od n'kk l dkj rh g\$A
 ½½ enk rki Bhd jgrk g\$A
 ¾½ enk l jpk ea l dkj gksrk g\$A
 ¼½ ykHk nk; d thok.kq/ka dh fØ; k 'khyrk ea of) gksrh g\$A

mRrj 8& okLrfod yEckbz ¾ $\frac{L^1}{L}$ x eki h x; h njh (1)
 $L^1 = L + e$ ¾ 30\$0-3 ¾ 30-3 ehVj ¼½
 ¾ $\frac{30.3}{30} \times 500$ ¾ 505 ehVj ¼½ ¼ \$1\$1¾¾

mRrj 9& dkd [kji rokj dk fu; æ.k & ¼½
 ¼½ xh"e dkyhu] xgjh tØkbZ
 ½½ Mysi hu ; k fl esthu 4&5 kg dks 1000 yhVj i kuh ea ?kksydj 2&3 ckj dkd
 i k\$ks ea fNMelko djaA ½½ ¼ \$2¾¾

mRrj 10& xluk dh [krh & (1x3=3)
 (A) okuLi frd uke & *I dje vØØI huje*
(Saccharam officinarum)

(B) ifjokj & xfeuh (Graminae)

(C) mit & 500 l s850 fDwVy@ gDVsj

mRrj 11& bl ; kstuk dks Hkkjr ds iFke izkkuea=h Lo- Jh tokgj yky ug: dh tle 'krkCnh o"kz 1889&90 ea ykxwfd; k x; k Fkk A bl ds ek/; e l s xkeh.k {ks=ka ea xjhch js[kk l s uhs thou ; ki u dj jga ifjokjka ds cjkstxkj l nL; ka dks jkstxkj mi yC/k dj; k tkrk gSA ; g ; kstuk NAREGA dsuke l stkuk tkrk gSA bl l s xkeh.k {ks= ea , d h l kepkf; d ifj l Ei fRr; ka ea l tu tks mudh vkfFkd rFkk l kekftd fLFkr ds l q<hdj.k ea l gk; d g\$ vkfFkd c<krjh gsrq mRrij d gks rFkk xkeh.k xjhcka ds vkfFkd Lrj ea LFkk; h l qkkj ykus eami ; kxh gSA

1/4 1/2

^vFtok**

Ø-	vkš pkfjd f'k{k.k		vukš pkfjd f'k{k.k
1-	f'k{k.k i kB; Øe ij dšUnr jgrk gSA	1-	f'k{k.k dk; Z vko'; drk , oa l eL; k , oa l eL; k emyd gksrk gSA
2-	i kB; Øe i wZ fu/kkZjr gksrk gSA	2-	i kB; Øe f'k{kFkhZ dh vko'; drk& uq kj cuk; s tkrsgSA
3-	fl) kar , oa iz kx nkuuk crk; s tkrsgSA	3-	djds l h[kusdk fl) kar ij vk/kkZjr gksrk gSA
4-	l Hkh f'k{kFkhZ yxHkx l eku mez ds gksrk gSA	4-	f'k{kFkhZ fofHku mez ds t\$ &cPp} cæ\$ 0; Ld vkfn gksrk gSA
5-	Nk= dks f'k{k d ds funž kkuq kj pyuk i Mfk gSA	5-	f'k{kFkhZ ka dh l gefr l s gh fn'kk funž ku gksrk gSA
6-	Nk= fo" k; ka dk v/; ; u djrs gSA	6-	f'k{kFkhZ l eL; kvka dk v/; ; u djrs gSA
7-	Nk= fMykek ; k fMxb l s l æ/k r gksrk gSA	7-	i ek.k i =ka l s dkbZ l ædk ughagksrk A
8-	l LFkk ds fu; eka dk vuq kyu vko'; d gSA	8-	f'k{kFkhZ cgq d q Loræ gksrk gSA
9-	e[; /; s fo kFkhZ ka ds 0; fDrRo dk fodkl djuk gSA	9-	0; kogkfjd thou ea i Hkko Mkyuk gSA
10-	vf/kdk k f'k{k.k dk; Z d{kk rd gh l hfer jgrk gSA	10-	cgq l k f'k{k.k dk; Z d{kk ds ckgj Hkh gksrk gSA

- | | | | |
|-----|---|-----|--|
| 11- | f'k{k.k f'k{k'kk 'kkL= fl) karka
}kjk l pkyr gsrk gSA | 11- | f'k{k.k i d kj f'k{k'kk ds fl) karka i j
l pkyr gsrk gSA |
| 12- | vf/kdkj v/; kdi ka ds gkFk ea
gsrk gSA | 12- | vf/kdkj i k; % f'k{k'kk'Fkz ka ds gkFk ea
gsrk gSA (1/2x 8 = 4) |

- mRrj 12&
- | | | | | | |
|---------|----------------|--------|-------------------|--------|----------------|
| (i) | ekguh | (ii) | xak | (iii) | i w k l ksu; k |
| (iv) | l nkcgj | (v) | l j s k | (vi) | Hkhe |
| (vii) | l qtkrk | (viii) | xgytkj | (ix) | xgytkj |
| (x) | l w k z; | (xi) | ekguh dh cgu i ek | | |
| (xii) | Lokrh | (xiii) | ga | (xiv) | gkshHkHk |
| (xv) | fga kfxuh | (xvi) | uouhr | (xvii) | frou |
| (xviii) | fnYyh fi bl st | | | | (1/2x 8 = 4) |

^vFlok**

vPNh gfj; kyh dh fo'kkrk, j & (1/2x 8 = 4)

- | | |
|---------|--|
| 1/1 1/2 | gfj; kyh , d h gks tksfd nj l sgh ugha cfyd i kl l sn s[kus ea Hkh l nj yxsA |
| 1/2 1/2 | fdl h i d kj ds nq d/k u vk; sA |
| 1/3 1/2 | ijk o"lz Hkj gjk jax cuk jgsA |
| 1/4 1/2 | dkey rFkk l ?ku gksA |
| 1/5 1/2 | l v[kk ds i fr l gu'khy gksA |
| 1/6 1/2 | jksx , oa dhV ds i fr jkskd {kerk gksA |
| 1/7 1/2 | ?kl pkkus okyh u gksA |
| 1/8 1/2 | gfj; kyh ij Nk; k u i M+ A |

- mRrj 13&
- | | |
|---------|--|
| 1/1 1/2 | vkrfjd dkjd vke ds , dkrj Qyu dksbl i d kj i Hkfor djrk gS & (1x4)
i k kka dk Qyr LoHkko & vke ea igys o"lz Qy vxz dfydkvka ij i s k gks s g s
rksvxys o"lz vxz dfydk Qy i s k u djds i j k g i s k djrh g s ft l l sn w jso"lz
i k k fcuk Qyr ds jg tkrk gSA ifj . kkeLo: i vke ea , dkrj Qyu gsrk gA
ubZof) djusdh vknr (Flushing habit)- vke dso{k vuojr : i l sof) ugha
djrsftl ds dkj . k , dkrj QI u gks tkrk gSA |
| 1/3 1/2 | uj rFkk eknk Qy ka ds vuq kr (Sex ratio)- jkekuh 113%] rks ki jh 15%] n'kgjh
3%] yaxMk 5%] l kekuh] rkrki jh fdLea n'kgjh , oa yaxMk fdLe dh rnyuk ea |

fu; fer Ql y nrk gSA vFkkz ujQny dh I q; k eknk Qny dh nyuk ea de gks is j , dklrj Qyu gsrk gSA

¼½ dkckgkbMS/ rFkk ukbVrstu dk vuq kr (C:N ratio)- C:N ratio 10:1 I okz/kd vuqny gSA tc i kskka ea ukbVrstu dh vf/kdrk vj dkckgkbMS/ dh deh gks rks , dklrj Qyu gsrk gSA

½½ chtk.kq dk fxjuk (Ovule abortion)- Qy cuusdh i k j Hkd coLFkkvka ea chtk.kq {kh.k gks tkrsg vj} Qyr ekjh tkrh gS ifj.kkeLo: i , dklrj Qyu gsrk gSA

~vFkok**

I kbM xfv/e dk I fp= o.ku &

½\$2¾4½

¼½ eny olr dk p; u djrs gSA

½½ I k[k dk p; u i fl y eks/kbz , oa , fPNd gks A

¾½ eny olr ij xfvVax ukbQ dh I gk; rk dVku yxkrsg SA

¼½ I k[k ij LQkku dh Hkkkr dVku yxrks gSA

½½ I k[k dksenyo lr ij yxkdj i syhFkhu i VVh ckak nrs gSA

¾½ 1½ ekg ea i kskk r\$ kj gks tkrk gSA

mRrj 14& **I rjk Ldb\$ k&**

(2+2=4)

vko' ; d I lexh & Qyka dk jI & 1 yhVj] i kuh & 1 yhVj] puh & 2kg, I kbVd vEy & 15gm, i k\$/\$'k; e e\$/\$k ckb I YQkbV & 2gm, Qy dh I qak & 4gm, [kkus dk jax & vko' ; drkuq kj A

fof/k& ¼½ Qyka dk p; u & LoLFk] rtk Qy

½½ Qyka dks /kksuk , oa Nhyuk A

¾½ Qyka l s jI fudkyuk A

¼½ pkl uh cukuk A

½½ pkl uh ea jI feykuk A

¾½ jax] jI fl feykuk A

¼½ futhbh Nr cksy ea Hkjuk A

½½ I hy djuk , oa ycy yxkuk A

^vFtok**

Qy ,oa l Ctth ifjj{k.k ds vLFkk; h fl)kr& (1x4=4)

1/1 1/2 I Qkbl (Cleaning)- l M&xys rFkk pks/ [kk; sgg nkxh Qyka ,oa l fct; ka dks vyx dj nrsgA Qykadks l kQ djds l ko/kkuh i wZd i sV; ka, osVksdjkaeaHkj us l svf/kd l e; rd l jf{kr jgrsgA

1/2 1/2 de rki Øe (Low Temperature)- de rki Øe ij j [kus l sl (etho fu"Øh; ; k de l fØ; gkrsgsftl l sQy ,oa l fct; kavf/kd l e; rd l jf{kr jgrsgA

1/3 1/2 vf/kd rki Øe- l kekl; l svf/kd rki Øe ij Hkh Qy ,oa l fct; ka dks vf/kd l e; rd l jf{kr j [k l drsgA

1/4 1/2 ueh rFkk gok l scpkok& Qykadks B.Ms 'kqd ,oa ueh jfgr okrkoy .k ea j [kus ij thok.kq/ka dk vf/kd i Hkko ugha i M-rk A ftl l sQy ,oa l fct; kWvf/kd l e; rd l jf{kr jgrsgA

1/5 1/2 gYds dhvk.kq uk'kd i nkFkk dk iz,ks& Qyka rFkk l fct; ka dks l jf{kr j [kus dsfy, phuh] fl jdk] ued] ryo l kSM; e catks V dk iz,ks ykHkdj h jgrk gSA bl l svYidky dsfy, mlga l jf{kr j [k l drsgA

mRrj 15& **'kL; ;kstuk dh fo'kkrk, j &** (1x5=5)

1/1 1/2 ftu [krkaeaQl y pØ viuk; k tk jgk gSmudk {ks=Qy l eku gksuk pkfg, A

1/2 1/2 ftruso"lz dk Ql y pØ gks mrus gh ; k xqkkad l d; k ea [kr gksuk pkfg, A

1/3 1/2 pkjs dh Ql yka dk {ks=Qy yxHkx 10 i fr'kr gksuk pkfg, A

1/4 1/2 Ql y pØ ea i jr h Øe j [kuk pkfg, A

1/5 1/2 'kL; ;kstuk ea Hkfe] Je] i pth] fl pkb] [kkn vkfn dk l epr mi ; ks gksuk pkfg, A

^vFtok**

mRre Ql y pØ ds vko'; d y{k.k& (1x5=5)

1/1 1/2 Ql y pØ ,d k gksfd ifro"lz Ql yka dk dgy {ks=Qy yxHkx cjkj gh gksA

1/2 1/2 Ql y pØ vf/kdre fl)karkadk ikyu dj jgk gksA

1/3 1/2 Ql y pØ bl izdkj dk gksuk pkfg, fd foHkku i Hkko Mkyus okys dkj dka dks /; ku ea j [kdj r\$ kj fd; k tkuk gksA

- 1/4 1/2 mi yC/k l d k/kuka dk l efpr <æ l smi ; ksx gks A
- 1/5 1/2 Hkfe dh mojr rk dk gkl U; ure gks A
- mRrj 16& **'kqd [krh dh ubz rduldh &** (1/2x10=5)
- 1/4 1/2 xh"e dkyhu t rkbz A
- 1/2 1/2 eM clnh A
- 1/3 1/2 l [kk l gu djus okyh Ql ya mxkuk t\$ & Tokj] cktjk] tk\$ puk] vyl h vkfnA
- 1/4 1/2 cht nj dh ek=k de A
- 1/5 1/2 i ksk vrj .k vf/kd A
- 1/6 1/2 thokak [kkn dk iz ksx A
- 1/7 1/2 , dh VRUI i kbjv j l k; u t\$ & fl fydku] , ukDyk\$ gkbMRDI h yekbu vkfn dk iz ksx A
- 1/8 1/2 okVj gkoLVæ A
- 1/9 1/2 eYp A
- 1/10 1/2 l [kk l gu djus okyh Ql yka dsfdle t\$ sxgy c-306] puk G-24

~vFtok**

vrortz [krh ds izdkj& (1 1/4x4=5)

- 1/4 1/2 l ekulrj Ql y mxkuk (Parallel cropping)- , d l kFk nks , s h Ql ykadksysuk ftuds fodkl dk <æ vyx&vyx rFkk muds chp 'kq; i fr; k\$xrk dh i fjfLFkr gks l ekulrj Ql y gSA mnkgj .k vjgj ds l kFk ewk dk mnz dksysukA
- 1/2 1/2 l gpj : i ea Ql y mxkuk (Companion cropping)- bl [krh ea , d Ql y nll jh Ql y dh i \$kokj ij vl j ughaMkyrh gSA vFkkz-nks Ql ykadh i \$kokj 'kq) Ql y dscjkj fey tkrh gSA t\$ sxluk ds l kFk xgy; k l j l kadh Ql y mxkuk A
- 1/3 1/2 fl uj t\$vd [krh (Synergetic cropping)- bl ea eq; Ql y rFkk xkSk Ql y nksukadh mi t vyx&vyx 'kq) Ql ykadh mi t dh rgyuk eac<+tkrh gSA t\$ scjl he \$ l j l k\$ xluk \$ vkywA
- 1/4 1/2 cgeftyh Ql y mxkuk (Multistoryed cropping)- fofHkuu Åpkbz vksj c<okj

okyh 3&4 QI ya l kfk&l kfk mxkuk gh cgeat'yh [krh gSA
mngkj.k & ukfj; y&dkyhfep&dkdk&vluukl A

- mRrj 17& **iMh QI y l s vf/kd mit ikr djus ds l pko &** (1/2x10=5)
- 1/4 1/2 xlus dh mi ; Ør fdLe dh cøkbZ t\$ s & C 1148, CO1158
 - 1/2 1/2 e[; QI y Qjoh&ekpZ ds iFke l lrg ea vo'; dkV yaA
 - 1/3 1/2 [kr dh l QkbZ dj i fRr; ka dks tyk naA
 - 1/4 1/2 i jkuh eMka dks rkm'sA
 - 1/5 1/2 xlus dh iMh ea igyh fl økbZ nj l s djaA
 - 1/6 1/2 150&200kg u=tu@gDV\$ j dh nj l snaA
 - 1/7 1/2 ul jh r\$ kj dj xi fQfyx djaA
 - 1/8 1/2 3&4 ckj fudkbZ xMkbZ djaA
 - 1/9 1/2 dhV , oajks dk fu; æ.k djaA
 - 1/10 1/2 , d gh ckj iMh QI y yaA

^vFlok**

l ks kchu l s vf/kd mRiknu ikr djus ds l pko & (1/2x10=5)

- 1/4 1/2 l ks kchu mfpr ty fudl okyh nkeV] efV; kj] VkeV enk ea cks aA
- 1/2 1/2 65&80kg cht@gDV\$ j dh nj l s cks aA
- 1/3 1/2 cht dks mi pkfjr rFkk jkbt kfc; e dYpj l sfuof'kr dj cks aA
- 1/4 1/2 mUur 'khy fdLe t\$ & xk\$]o] n\$kl] vødj] P.K. 172 vkfn ck; aA
- 1/5 1/2 20&30kg u=tu] 60&80kg QkLQkj l] , oa 40&60kg i k\$'k'k i frgDV\$ j naA
- 1/6 1/2 tø&tykbZ ds iFke l lrg rd vo'; cks aA
- 1/7 1/2 vk'; drkuø kj fl økbZ djaA
- 1/8 1/2 nksckj fudkb&xMkbZ djaA 1/2 økbZ ds 30 o] 45oa fnu 1/2
- 1/9 1/2 dhVka dk fu; æ.k djaA
- 1/10 1/2 jkska dk fu; æ.k djaA
- 1/11 1/2 xe&ue tyok; qokys {ks=ka ea cøkbZ djaA

mRrj 18& **l jte[th dh [krh &** (1/4x6 3/4 1/2)

- 1/4 1/2 egRo& rsy] cyt ea 24&30% rsy dh ek=k fyukfyd vEy ds vf/kd gkus ds
dkj.k dksyLVky dh of) dks jkdrk gSA

- 1/4 1/2 tyok; & 50cm dh okf"kd o"kk] cht vadj.k 4&5°C rkieku] cht idus ds l e; de rkieku 1/4gedkj h 1/2 ds ifr l onu'khy A chtidrs l e; LoPN] pedhys/ki mi ; Dr A
- 1/4 1/2 Hkfe& cypZ nkej] efV; kj Hkfe ty fudkl okyh mi ; Dr pH 6.7-8.5
- 1/4 1/2 [kkn , oamo] d & 80kg u=tu] 60kg QkLQkj l ifr gDV\$ j A 1@3 u=tu Qm f[kyus ds l e; na A
- 1/4 1/2 chtnj & 8kg @gDV\$ j
- 1/4 1/2 mi t & 15&20 fDvY@gDV\$ j

^vFtok**

vk; LVj e'k: e ds mRi knu fof/k & 1/4 x 6 3/4 6 1/2

- 1/4 1/2 [ksh dk ek/; e & /kku dk i\$ k ; k xgjd h Hkl h yrs gSA
- 1/2 1/2 mi pkj djuk & bl s xez ikuh mi pkj ; k l akk\$ /kr xez ikuh mi pkj ; k jkl k; fud mi pkj fof/k l smi pkfjr djrs gSA t\$ sjkl k; fud mi pkj 25 yhVj ikuh ea 1/2 gm dkc Mkf te , oa 35 feyh Qke\$ yhu ea 2-5 gm i\$ k dks 12&15 ?k/s ds fy, Mck\$ s gSA
- 1/3 1/2 chtkbZ ; k Li kluax djuk & 60&70% ueh i\$ k ; k Hkl h ea chtkbZ djrs gSA
- 1/4 1/2 cht c<okj fLFkr & chtkbZ fd; s x; sek/; e dks ikyh Fkhu ea Hkj dj th-vkbZ rkj eayVdk nrsgSA 8 fnu dsckn ikyh Fkhu Fk\$ yh dkVdj i q% yVdk nrsgSA mRi knu d{k dh vknZ k 70% gkuk pkfg, A l qg & 'kke gtkjs; k Li \$ j l si kuh dk fNMelko djrs gSA
- 1/5 1/2 rMkbZ & Fk\$ y; ka dkVus ds 3&4 fnuka ea e'k: e mRi knu i kj Hk gk tkrk gSA i wZ fodfl r e'k: e dks gYds gkFka l sekMelj rMkbZ dja A
- 1/6 1/2 mi t & 2 1/2 kg ek/; e l s 2&3 kg e'k: e mRi knu gk\$ k gSA

mRrj 19& [kji rokj fu; a.k dh ; kf=d fof/k; k; & (1x6)

- 1/4 1/2 [kji rokj ka dks gkFk l sm [kkMuk (Hand pulling)
- 1/2 1/2 gkFk l sfudkbZ xMkbZ djuk (Hand hoeing)
- 1/3 1/2 [kji rokj ka dk dkVuk (Weeds moving)
- 1/4 1/2 Nf=e vkoj .k (Mulching)

1/5½ ck<+}kjk (Flooding)

1/6½ vlx yxkdj (Burning)

1/0u fclnq/ka dk o.kū djus ij 1x6= 6 v d½

^vFlok**

dhV fu; æ.k ds d"lk fof/k; k&

(1x6)

1/1½ [ksr ea 'kL; ko' kška dks u"V djuk &

1/2½ [kji rokjka dks u"V djuk

1/3½ xh"e dkyhu tṛkbz

1/4½ fl ṛkbz

1/5½ Ql y pØ

1/6½ dhV ifrjkskh fdLeka dk iz ksx

1/0.kū \$ mnkgj.k nsus ij 1x6= 6 v d½

&&00&&

Set - B

Higher Secondary School Certificate Examination

Sample Paper

SAMPLE PAPER

(Subject) - English

(Time- 3 Hrs)

(Class) - XII

(M.M.) 75

(Instruction) & Directions

1- Attempt all the Question

Attempt all the Question

2- 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. Each question carries 1 marks.

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. Each question carries 1 marks.

3- Q. No. 02 to 06 are very short answer type question & carries 02 marks each. Maximum word limit 30 words.

Q. No. 02 to 06 are very short answer type question & carries 02 marks each. Maximum word limit 30 words.

4- Q. No. 07 to 10 are short answer type question & carries 03 marks each. Maximum word limit 50 words.

Q. No. 07 to 10 are short answer type question & carries 03 marks each. Maximum word limit 50 words.

5- Q. No. 11 to 14 are short answer type question & carries 04 marks each. Each question has internal choice. Maximum word limit 75 words.

Q. No. 11 to 14 are short answer type question & carries 04 marks each. Each question has internal choice. Maximum word limit 75 words.

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 vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 100 'kCn A

Q. No. 15 to 17 are long answer type question & carries 05 marks each.

Each question has internal choice. Maximum word limit 100 words.

7- izu Øekad 18 Isizu Øekad 19 rd nh?kzmRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkj iR; d izu ij 06 vad vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 150 'kCn A

Q. No. 18 to 19 are long answer type question & carries 06 marks each.

Each question has internal choice. Maximum word limit 150 words.

I gh fodYi p̄d̄j fyf[k; s &

(1x5=5)

Choose the correct alternative-

(i) {ks= i q̄Lrdk ea fy [krs ḡs &

¼½ u hps l s Å i j

¼½ Å i j l s u hps

¼ ½ c k̄ s l s n k̄ s

¼½ n k̄ s l s c k̄ s

In the field book it is written :-

(a) From bottom to top

(b) from top to bottom

(c) From left to right

(d) from Right to left

(ii) , e-l h-i h, - ḡs , d&

¼½ Q Q p̄ uk' kh

¼½ t hok. kq uk' kh

¼ ½ [k j i r o k j uk' kh

¼½ m i j k̄ r l h k h

MCPA is a -

(a) Fungi cide

(b) Bacteria cide

(c) Weedi cide

(d) All of the above

(iii) puk dk i f j o k j ḡs &

¼½ l k s y s d h

¼½ y x ; f e u d h

¼ ½ Ø h Q j h

¼½ x f e u h

The family of Gram is-

(a) Solanaceae

(b) Leguminoceae

(c) Cruceferae

(d) Graminee

(iv) fuEu i k̄ s k̄ s dk okuLi frd uke , s̄ k̄ d̄ k̄ f̄ M̄ e v̄ k̄ D̄ l h̄ M̄ V̄ y ḡs &

¼½ vke

¼½ dVgy

¼ ½ ve: n

¼½ dktw

The botanical name *Anacardium occidantle* is of the following plant

(a) Mango

(b) Jack fruit

(c) Guava

(d) Cashewnut

- (v) r\$ kj t\$yh dk Hkkj gkrk gS &
 ¼½ puh dk 1½ xpk ½½ Qy dk 1½ xpk
 ¼ ½ puh dk 2½ xpk ¼½ Qy dk 2½ xpk

The weight of prepared Jelly is-

- (a) 1½ times of sugar (b) 1½ times of fruit
 (c) 2½ times of sugar (d) 2½ times of fruit

[k.M ^c** @ Section "B"

fjDr LFkkuk dh ifrZ djks &

¼x5=5)

Fill in the blanks -

- (i) Økl LVkQ ea ----- Hkqt k, j gkrh gS A
 There are arms in a cross-staff.
- (ii) olnkou xkMZu ----- ea fLFkr gS A
 Vrindavan garden is situated at
- (iii) Vh-oh id kj dk ----- I k/ku gS A
 T.V. is aids of extension.
- (iv) Ldb\$ k ea ----- ifjj {kh inkFKZ dk mi ; kx gkrk gS A
 is used as preservative in squash
- (v) [kktk ----- dh fdLe gS A
 Khaza is variety of

izu 2& i"Bh; ty fudkl dh fof/k; ka ds uke fyf[k, A ¼dkbz pkj ½ ¼x4=2½

Write the name of method of surface drainage. (any four)

izu 3& xW/h dk ukekfidr fp= cukb; sA ½½

Draw a well labelled diagram of gootee.

izu 4& ^t\$yh jkrh gSA** D; ka \ I e>kb; sA ¼ \$ 1¼2½

"Jelly weeps." why? Explain.

izu 5& vkpyk dk ik\$ k jki .k I fki ea I e>kb; sA ½½

Explain planting of Aonla in brief.

izu 6& cktul k; dks l fki ea l e>kb; sA 1/2 1/2

Explain Bonsai in brief.

izu 7& ty fudkl ds dkbz N%mnns; fyf[k, A (1/2x6=3)

Write any six objectives of Drainage.

izu 8& vki xgnvk dk fu; .k ds sdjksA 1/3 1/2

How will you control *Phalaris minor*

izu 9& l ks kchu dh [ksh dh tkudkjh fuEu fclnq/ka ea fyf[k, %& (1x3=3)

1/4 1/2 tyok; j 1/2 chtnj] 1/4 1/2 mit

Write following information of soybean cultivation.

(a) Climate, (b) Seedrate (c) Yield.

izu 10& , d 820 QhV dh njih batifu; j tjhc l seki h x; h A tjhc 3 bp cMh Fkh rks

uki h x; h njih dh okLrfod yEckbz dh x.kuk dhft, & 1/3 1/2

820 feet distance is measured by engineer chain. The chain is defective which is 3 inch longer than the standard chain. Calculate the actual length of measured distance.

izu 11& tokgj jkstxkj ; kstuk dks l fki ea l e>kb; sA 1/4 1/2

Explain 'Jawahar Rozgar Yojna' in brief.

^vFlak (OR)**

vks pkfjd f'k{k.k , oa vks pkfjd f'k{k.k ea varj fyf[k, A 1/2 dkbz 8 1/2 (1/2x8)

Write difference between formal and non formal education. (any eight)

izu 12& Hkkj rh; Nf'k vuq akku l fku }kj fodfl r xgkc ds dkbz vkB fdLekadsuke

fyf[k, A (1/2x8)

Write any eight variety of Rose which is released by I.A.R.I.

^vFlak (OR)**

, d vPNh gfj; kyh dh dkbz vkB fo'kkrk, i fyf[k, A (1/2x8)

Write any eight characteristics of good Lawn.

izu 13& vkrfjd dkjd vke ds , dklrj Qyu dks fdl izdkj i Hkkfor djrk gs \

l e>kb; s 1/4 1/2

How does internal causes effect alternate bearing of Mango. Explain.

^vFkok (OR)**

I kbM xsfj/x dk I fp= o.ku dhft , A 1/2\$2¾4½

Describe side grafting with a well labelled diagram.

izu 14& I rjk Ldb'sk cukus dh vko' ; d I kexh , oafof/k fyf[k, A 1/2\$2¾4½

Write essential materials and method of preparing Orange squash.

^vFkok (OR)**

Qy , oal Cth ifjj{k.k ds vLFkk; h fl)kr fyf[k, A ¼dkbz pkj½ (1x4=4)

Write temporary principles of fruit and vegetable preservation. (any four)

izu 15& 'kL; ;kst uk dh fo'kkrk, i fyf[k, A ¼dkbz i kp½ (1x5=5)

Write characteristics of cropping scheme.

^vFkok (OR)**

mRre QI y pØ ds vko' ; d y{k.k fyf[k, A ¼dkbz i kp½ (1x5=5)

Write essential criteria of good crop rotation. (Any five)

izu 16& 'kqd [ksh dh ubz rdudh dks I aki ea I e>kb; sA 1/5½

Explain new technology of dry farming in brief.

^vFkok (OR)**

vrortz [ksh ds izdkjka dks I aki ea I e>kb; sA 1/5½

Explain type of inter cropping in brief.

izu 17& iMh QI y I svf/kd mi t ikr djusdsfy, I pko fyf[k, A ¼dkbz ni ½

(½x10=5)

Write suggestion for fetching more yield from Ratoon cropping

^vFkok (OR)**

I ks kchu I svf/kd mRi knu ikr djusdsfy, I pko fyf[k, A ¼dkbz ni ½

(½x10=5)

Write suggestion for fetching more yield from Soyabean. (any ten)

izu 18& I jted[kh dh [ksh fuEu fcUnq/ka ea I aki ea I e>kb; sA (1x6=6)

1/2½ egRo] 1/2½ tyok; j 1/4 ½ Hkfe

1/4½ [kkn , oamo]d 1/2½ chtnj 1/2½ mi t

Explain cultivation of Sunflower on following points in brief.

- (a) Importance (b) Climate (c) Soil
(d) Manures and fertilizers (e) Seedrate (f) Yield

OR

Explain production method of Oyster Mushroom in brief. (1x6=6)

Write the mechanical method of weed control. (any six) (1x6=6)

OR

Write the cultural method of insect pest control. (any six) (1x6=6)

00

d{kk 12oha
fo"k; & Ql y mRi knu ,oa m|ku 'kkL=
^l £i y mRrj**

mRrj 1& **[k.M ¼½ oLrfu"V izu** (1x5=5)

(i) & v

(ii) & l

(iii) & c

(iv) & n

(v) & v

[k.M ¼½ fjDr LFku (1x5=5)

(i) pkj

(ii) eš j

(iii) J0; &n"; (Audio-Visual)

(iv) i kšf'k; e eš/kckb l YQkbV

(v) dVgy

mRrj 2& i"Bh; ty fudkl dh fo/k; ka ds uke&

¼½ vLFkk; h ukfy; kj ½½ dV&vkmV ukfy; kj

½½ LFkk; h ukfy; kj ¼½ l ery Hkñe ea eš/ka dks dkVdj

mRrj 3&

mRrj 4& tSyh jkrh gSD; kñd & ¼ \$ 1¾2½

¼½ [kVkl dh vf/kdrk

½½ 'kDdj dh deh

mRrj 5& vkpyk ds i kšk jksi .k & i kšk varj .k 10 x 10m xM<s d vkdkj 1x1x1m] 50kg
 f.y.m., ½kg l q j QññQñ rFkk 0-25kg E; jš/ vññ i kš/k'k +25 xke , YMSl pñkz

- I s xM<k Hkj dj tykbz ea i ksk yxkrs gSA 1/2 vad 1/2
- mRrj 6& cMso{kka dks dkV&NkV dj vR; Ur gh cksuk j [kus dh dyk cksu I k; gSA
tS sfo'kky cjxn o{k dks 0-5 I s 1m Åpk cukuk A 1/4 \$1 3/4 vad 1/2
- mRrj 7& ty fudkl dsmnns; & (1/2x6=3 vad)
- 1/4 1/2 Hkfe dh Hkksrd n'kk ea I qkkj djuk A
- 1/2 1/2 Hkfe ea ok; q I pkj djuk A
- 1/3 1/2 Hkfe ea nyny u gkus nsuk A
- 1/4 1/2 mfpr rki Øe cuk; sj [kuk A
- 1/5 1/2 gkfudkj d yo. kka dk , d=.k jksduk A
- 1/6 1/2 Ñf" k fØ; k, j I e; ij djuk A
- 1/7 1/2 ykHk nk; d thok.kq/ka dh fØ; k'khyrk ea of) djuk A
- 1/8 1/2 MhukbVhfQds ku dks jksduk A
- mRrj 8& xgvk dk fu; æ.k & 1/4 \$2 3/4 vad 1/2
- 1/4 1/2 m[kkMdj (Uprooting)
- 1/2 1/2 vkbl ki kV; jku 50% - 75% dk iz ksx dja A
- mRrj 9& I ks kchu dh [krh& (1x3=3)
- 1/4 1/2 tyok; q& bl dsfy, xe&ue tyok; qmi ; Ør gsrk gSA cht vad j .k grq40°F
rFkk cf) dsfy, 75&80°F rki Øe mi ; Ør jgrk gSA QI y idrs I e; o"kkz
dk gksuk gkfudkj d gSA
- 1/4 1/2 chtnj & 65&80 kg/gDV\$ j
- 1/4 1/2 mi t & 30&35 fDvY@gDV\$ j
- mRrj 10& okLrfod yEckbz 3/4 $\frac{L^1}{L} \times$ eki h x; h njh A 1/4 vad 1/2
- $L^1 = 100 + e, L = 100, e = \frac{3}{12} = \frac{1}{4} = 0.2$ QV 1/4 vad 1/2
- I gh yEckbz $\frac{100.25}{100} \times 820 = 822.05$ QhV 1/4 vad 1/2
- 1/4 \$1 \$1 3/4 vad 1/2

- mRrj 12&
- (i) ekguh
 - (ii) xæk
 - (iii) i k l kfu; k
 - (iv) l nkcgrj
 - (v) l j[kk
 - (vi) Hkhe
 - (vii) l tkrk
 - (viii) xytkj
 - (ix) xytkj
 - (x) l w kñ;
 - (xi) ekguh dh cgu i æk
 - (xii) Lokrh
 - (xiii) ga
 - (xiv) gkēHkkHkk
 - (xv) fga kfxuh
 - (xvi) uouhr
 - (xvii) fprou
 - (xviii) fnYyh fi bl st (½x 8 = 4)

~vFlok**

vPNh gfj; kyh dh fo'kkrk, j & (½x 8 = 4)

- ¼½ gfj; kyh , d h gks tksfd nj l sgh ugh cfyd i kl l sn[kus ea Hkh l nj yxsA
- ½½ fdl h idkj ds nq[k u vk; sA
- ¾½ ijk o"lz Hkj gjk jæk cuk jgsA
- ¾½ dkey rFkk l ?ku gksA
- ¾½ l [kk ds i fr l gu'khy gksA
- ¾½ jksx , oa dhV ds i fr jkskd {kerk gksA
- ¾½ ?kl p[kus okyh u gksA
- ¾½ gfj; kyh ij Nk; k u i M+ A

- mRrj 13&
- ¼½ vkrfjd dkjd vke ds , dklrj Qyu dks bl idkj i Hkkfor djrk gS&
 - ¼½ i k[ka dk Qyr LoHkko& vke ea igys o"lz Qy vxz dfydkvka ij i ñk gks gS rks vxys o"lz vxz dfydk Qy i ñk u djds i jkj i ñk djrh gS ftl l snw jso"lz i k[ka fcuk Qyr ds jg tkrk gSA ifj .kkeLo: i vke ea , dklrj Qyu gksrk gA
 - ½½ ubZof) djus dh vknr (Flushing habit)- vke dso{k vuojr : i l sof) ugha djrs ftl ds dkj .k , dklrj QI u gks tkrk gSA
 - ¾½ uj rFkk eknk Qy[ka ds vuq kr (Sex ratio)- jkekuh 113%] rks ki jh 15%] n'kgjh 3%] yæk Mk 5%] l kekuh] rkrki jh fdLea n'kgjh , oa yæk Mk fdLe dh rnyuk ea fu; fer QI u nrk gSA vFkk[uj Qy dh l [; k eknk Qy dh rnyuk ea de gksus ij , dklrj Qyu gksrk gSA
 - ¾½ dkck[kbM[rFkk ukbVrst u dk vuq kr (C:N ratio)- C:N ratio 10:1 l okZ/kd

vudly gSA tc i k8kka ea ukbVrstu dh vf/kdrk vks dkckgkbMS/ dh deh gks rks , dklUj Qyu gksrk gSA

1/5 1/2 chtk.kq d k fxjuk (Ovule abortion)- Qy cuusdh i k j Hkd coLFkkvka ea chtk.kq {kh.k gks tkrs gSA vks} Qyr ekjh tkrh gS ifj.kkeLo: i , dklUj Qyu gksrk gSA
1/4 1/2

^vFtok**

I kbM xsfV/e dk I fp= o.ku & 1/2 \$ 2 3/4 1/2

- 1/4 1/2 eny olr dk p; u djrs gSA
- 1/2 1/2 I k[k dk p; u i fl y eks/kbz , oa , fPNd gks A
- 1/3 1/2 eny olr ij xsfVax ukbQ dh I gk; rk dVku yxkrs gSA
- 1/4 1/2 I k[k ij LQkU dh HkkUlr dVku yxkrs gSA
- 1/5 1/2 I k[k dks eny olr ij yxkdj i ksyhFkhu i VVh ckak nrs gSA
- 1/6 1/2 1 1/2 ekg ea i k8kk rS kj gks tkrk gSA

mRrj 14 & **I rjk LdbS'k &** (2+2=4)

vko' ; d I lexh & Qyka dk jI & 1 yhVj] i kuh & 1 yhVj] phuh & 2kg, I kbV'd vEy & 15gm, i kS/f'k; e es/k ckb I YQkbV & 2gm, Qy dh I qak & 4gm, [kkus dk jax & vko' ; drkuq kj A

- fof/k&** 1/4 1/2 Qyka dk p; u & LoLFk] rtk Qy
- 1/2 1/2 Qyka dks /kksuk , oa Nhyuk A
- 1/3 1/2 Qyka l s j l fudkyuk A
- 1/4 1/2 pkl uh cukuk A
- 1/5 1/2 pkl uh ea j l feykuk A
- 1/6 1/2 jax] j l fl feykuk A
- 1/7 1/2 futhbh Nr cksy ea Hkjuk A
- 1/8 1/2 I hy djuk , oa ysy yxkuk A

^vFtok**

Qy , oa I Cth ifjj{k.k ds vLFkk; h fl) ka & (1x4=4)

1/1½ I Qkbl (Cleaning)- I M&xys rFkk pkv [kk; sgg nkxh Qyka , oa l fct; ka dks vyx dj nrsgA Qykadks l kQ djds l ko/kkuh i wZd i sV; ka , osVksdjkaeaHkj us l svf/kd l e; rd l jf{kr jgrsgA

1/2½ de rki Øe (Low Temperature)- de rki Øe ij j [kus l sl (etho fu"Øh; ; k de l fØ; gkrsgsft l l sQy , oa l fct; ka vf/kd l e; rd l jf{kr jgrsgA

1/3½ vf/kd rki Øe- I kekU; l svf/kd rki Øe ij Hkh Qy , oa l fct; ka dks vf/kd l e; rd l jf{kr j [k l drsgA

1/4½ ueh rFkk gok l scpk& Qyka dks B.Ms 'kq'd , oa ueh jfgr okrkj .k ea j [kus ij thok.kq/ka dk vf/kd i Hkko ugha i M-rk A ft l l sQy , oa l fct; kWvf/kd l e; rd l jf{kr jgrsgA

1/5½ gYds dhvk.kq uk'kd i nkFkk dk iz,ks& Qyka rFkk l fct; ka dks l jf{kr j [kus dsfy, phuh] fl jdk] ued] ryo l kSM; e catks V dk iz,ks ykHkdj h jgrk gSA bl l svYidky dsfy, mlga l jf{kr j [k l drsgA

mRrj 15& **'kL; ;kstuk dh fo'kkrk, j &** (1x5=5)

1/1½ ftu [krkaeaQl y pØ viuk; k tk jgk gSmudk {ks=Qy l eku gksuk pkfg, A

1/2½ ftruso"lz dk Ql y pØ gks mrus gh ; k xqkkad l d; k ea [kr gksuk pkfg, A

1/3½ pkjs dh Ql yka dk {ks=Qy yxHkx 10 i fr'kr gksuk pkfg, A

1/4½ Ql y pØ ea i jrh Øe j [kuk pkfg, A

1/5½ 'kL; ;kstuk ea Hkfe] Je] i pth] fl pkb] [kkn vkfn dk l epr mi ; ks gksuk pkfg, A

~vFtok**

mRre Ql y pØ ds vko'; d y{k.k& (1x5=5)

1/1½ Ql y pØ , d k gksfd i fro"lz Ql yka dk dgy {ks=Qy yxHkx cjkcj gh gksA

1/2½ Ql y pØ vf/kdre fl) karkadk ikyu dj jgk gksA

1/3½ Ql y pØ bl i zdkj dk gksuk pkfg, fd foHkUu i Hkko Mkyus okys dkj dka dks /; ku ea j [kdj r\$ kj fd; k tkuk gksA

1/4½ mi yC/k l d k/kukadk l epr <x l smi ; ks gksA

1/5½ Hkfe dh mojr k dk gkl U; wre gksA

- mRrj 16& 'kld [krh dh ubz rduldh & (1/2x10=5)
- 1/4 1/2 xh"e dkyhu t rkbz A
 - 1/2 1/2 eM clnh A
 - 1/3 1/2 I [kk I gu djus okyh QI ya mxkuk t\$ & Tokj] cktjk] tk\$ puk] vyl h vkfnA
 - 1/4 1/2 cht nj dh ek=k de A
 - 1/5 1/2 i ksk vrj.k vf/kd A
 - 1/6 1/2 thokak [kkn dk iz ksx A
 - 1/7 1/2 , dh VRUI i kbjv j l k; u t\$ & fl fydku] , ukDyk\$ gkbMRDI h yekbu vkfn dk iz ksx A
 - 1/8 1/2 okVj gkoLVak A
 - 1/9 1/2 eYp A
 - 1/10 1/2 I [kk I gu djus okyh QI yka dsfdle t\$ s xgy C-306] puk G-24

~vFkok**

vrortz [krh ds idkj& (1 1/4x4=5)

- 1/4 1/2 I ekulrj QI y mxkuk (Parallel cropping)- , d I kFk nks , s h QI ykadksysuk ftuds fodkl dk <ax vyx&vyx rFkk muds chp 'kq; i fr; kfxrk dh i fjlFkfr gks I ekulrj QI y gSA mngkj .k vjgj ds I kFk ewk dk mnz dksysukA
- 1/2 1/2 I gpj : i ea QI y mxkuk (Companion cropping)- bl [krh ea , d QI y nll jh QI y dh i shkobj ij vl j ughaMkyrh gSA vFkkz~nks QI ykadh i shkobj 'kq) QI y dscjkj fey tkrh gSA t\$ s xluuk ds I kFk xgy; k I j l ka dh QI y mxkuk A
- 1/3 1/2 fl uj tsvd [krh (Synergetic cropping)- bl ea eq; QI y rFkk xkSk QI y nksuka dh mi t vyx&vyx 'kq) QI ykadh mi t dh rgyuk eac<+tkrh gSA t\$ scj l he \$ I j l k xluuk \$ vkywA
- 1/4 1/2 cgeftyh QI y mxkuk (Multistoryed cropping)- fofHkuu Apkbz vksj c<okj okyh 3&4 QI ya I kFk&I kFk mxkuk gh cgeftyh [krh gSA mngkj .k & ukfj ; y&dkyhfep&dkdk&vluukl A

mRrj 17& **iMh Ql y l s vf/kd mit iklr djus ds l pko &** (½x10=5)
 ¼1½ xlus dh mi ; p r fdLe dh c pkbz t s & c 1148, CO1158
 ½2½ eq; Ql y Qjoh&ekpZ ds i Fke l l rkg ea vo'; dkV yaA
 ¾3½ [kr dh l QkbZ dj i fRr; ka dks tyk naA
 ¼4½ i jkuh eMka dks rkM sA
 ½5½ xlus dh i Mh ea i gyh fl pkbZ nj l s djaA
 ¾6½ 150&200kg u=tu@gDV s j dh nj l snaA
 ¼7½ ul j h r s kj dj xi fQfyx djaA
 ½8½ 3&4 ckj fudkbZ xMkbZ djaA
 ¾9½ dhV , oa jks dk fu; a.k djaA
 ¼10½ , d gh ckj i Mh Ql y yaA

^vFlok**

l ks kchu l s vf/kd mRiknu iklr djus ds l pko & (½x10=5)
 ¼1½ l ks kchu mfpr ty fudl okyh nkeV] efV; kj] VkeV enk ea cks aA
 ½2½ 65&80kg cht@gDV s j dh nj l s cks aA
 ¾3½ cht dks mi pkfjr rFkk jkbt kfc; e dYpj l sfuof'kr dj cks aA
 ¼4½ mlur 'khy fdLe t s & xk s o] n x k j v d j] P.K. 172 vkfn ck; aA
 ½5½ 20&30kg u=tu] 60&80kg QkLQkj l] , oa 40&60kg i k s k'k i frgDV s j naA
 ¾6½ t u & t y k b z ds i Fke l l rkg rd vo'; cks aA
 ¼7½ vk'; drku d kj fl pkbZ djaA
 ½8½ nks ckj fudkb&xMkbZ djaA ¼c pkbZ ds 30 o j 45oa fnu½
 ¾9½ dhVka dk fu; a.k djaA
 ¼10½ jkska dk fu; a.k djaA
 ¼11½ xe&ue tyok; qokys {ks=ka ea c pkbZ djaA

mRrj 18& **l j te d h dh [krh &** ¼1x6¾46½
 ¼1½ egRo& r sy] cyt ea 24&30% r sy dh ek=k fyukfyd vEy ds vf/kd gkus ds
 dkj.k dks y l Vky dh of) dks jks drk g s A
 ½c½ tyok; & 50cm dh okf"kd o"kk] cht v d j .k 4&5°C rkieku] cht idus ds
 l e; de rkieku ¼gedkj h½ ds i fr l o nu'khy A cht idrs l e; LoPN]
 pedhys/ki mi ; p r A

- ¼ ½ Hkfe & cypl nkej] efV; kj Hkfe ty fudkl okyh mi ; Dr pH 6.7-8.5
- ¼ ½ [kkn , oamo] d & 80kg u=tu] 60kg QkLQkj l ifr gDV\$ j A 1@3 u=tu
Qny f[kyus ds l e; nA
- ¼ ½ chtnj & 8kg @gDV\$ j
- ¼ ½ mi t & 15&20 fDwVy@gDV\$ j

^vFkok**

vk; LVj e'k: e ds mRi knu fof/k & ¼x6¾46½

- ¼ ½ [ksh dk ek/; e & /kku dk i\$ k ; k xgpdh Hkl h yrs gSA
- ¼ ½ mi pkj djuk & bl s xez ikuh mi pkj ; k l akk\$ /kr xez ikuh mi pkj ; k
jkl k; fud mi pkj fof/k l smi pkfjr djrs gSA t\$ sjkl k; fud mi pkj 25 yhVj
ikuh ea ½ gm dkc Mkte , oa 35 feyh Qke yhu ea 2-5 gm i\$ k dks 12&15 ?k/ s ds
fy, Mck s gSA
- ¼ ½ chtkbz ; k Li kluax djuk & 60&70% ueh i\$ k ; k Hkl h ea chtkbz djrs gSA
- ¼ ½ cht c<okj fLFkr & chtkbz fd; s x; sek/; e dks ikyh Fkhu ea Hkj dj th-vkbz
rkj ea yVdk nrsga 8 fnu dsckn ikyh Fkhu FkSyh dkVdj i q% yVdk nrsga
mRi knu d{k dh vknzk 70% gkuk pkfg, A l qg & 'kke gtkjs; k Li s j l sikuh
dk fNMelko djrs gSA
- ¼ ½ rMkbz & Fky; ka dkVus ds 3&4 fnu ka e'k: e mRi knu i kj k gk tkrk gSA i wZ
fodfl r e'k: e dks gYds gkFka l sekMelj rMkbz dja A
- ¼ ½ mi t & 2½ kg ek/; e l s 2&3 kg e'k: e mRi knu gk s k gSA

mRrj 19& [kji rokj fu; .k dh ; kf=d fof/k; k; & (1x6)

- ¼ ½ [kji rokj ka dks gkFk l sm [kkMek (Hand pulling)
- ¼ ½ gkFk l sfudkb & xMkbz djuk (Hand hoeing)
- ¼ ½ [kji rokj ka dk dkVuk (Weeds moving)
- ¼ ½ Ñf=e vkoj .k (Mulching)
- ¼ ½ ck<+}kjk (Flooding)
- ¼ ½ vkx yxkdj (Burning)
- ¼ ½ bu fclnq/ka dk o.ku djus ij 1x6= 6 v d ½

^vFlok**

dhV fu; æ.k ds d"lZk fof/k; k&

(1x6)

¼½ [ksr ea 'kL; ko' kSkka dks u"V djuk &

½½ [kji rokjka dks u"V djuk

¾½ xh"e dkyhu tṙkbZ

¼½ fl ṙkbZ

½½ Ql y pØ

¾½ dhV ifrjkskh fdLeka dk iz kx

¼.kū \$ mnkgj.k nṣij 1x6= 6 vṑ½

&&00&&

Set - C

Higher Secondary School Certificate Examination

I fiy&izu i=

SAMPLE PAPER

fo"t; % (Subject) - Ql y mRiknu , oa m|ku 'kL=

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

d{k k % (Class) - ckjgoha %12ohz

i vkkb 75 (M.M.)

(Instruction) & %fun? k%

1- I Hkh izu gy djuk vfuok; ZgSA

Attempt all the Question

2- izu Øekad 01 ea 10 v d fu/kk?jr gSA bl eanksmi [k.M gSA [k.M ^v** ea 05 cgfodYih; izu rFkk [k.M ^c** ea 05 fjDr LFkkuka dh i firZ vFkok mfr I adk tkSM, A iR; d izu dsfy, 1 v d vkcaVr 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. Each question carries 1 marks.

3- izu Øekad 02 I situ Øekad 06 rd vfr y?kqRrjh; izu gSA iR; d izu ij 02 v d vkcaVr gSA mRrj dh vf/kdre 'kCn I hek 30 'kCn A

Q. No. 02 to 06 are very short answer type question & carries 02 marks each. Maximum word limit 30 words.

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

Q. No. 07 to 10 are short answer type question & carries 03 marks each. Maximum word limit 50 words.

5- izu Øekad 11 I situ Øekad 14 rd y?kqRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkS iR; d izu ij 04 v d vkcaVr gSA mRrj dh vf/kdre 'kCn I hek 75 'kCn A

Q. No. 11 to 14 are short answer type question & carries 04 marks each. Each question has internal choice. Maximum word limit 75 words.

6- izu Øekad 15 Is izu Øekad 17 rd nh?kzmRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkj iR; d izu ij 05 vd vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 100 'kCn A

Q. No. 15 to 17 are long answer type question & carries 05 marks each.

Each question has internal choice. Maximum word limit 100 words.

7- izu Øekad 18 Is izu Øekad 19 rd nh?kzmRrjh; izu gSA iR; d izu ea vkrfjd fodYi gSvkj iR; d izu ij 06 vd vkcfVr gSA mRrj dh vf/kdre 'kCn I hek 150 'kCn A

Q. No. 18 to 19 are long answer type question & carries 06 marks each.

Each question has internal choice. Maximum word limit 150 words.

izu 1&

[k.M ^V** / Section "A"

I gh fodYi p̄d̄j fyf[k; s &

(1x5=5)

Choose the correct alternative-

(i) x.Vj t̄jhc dh yEckbz gkrh gS &

¼½ 100 QhV

¼½ 66 ehVj

¼ ½ 66 QhV

¼½ 100 ehVj

The length of guntur chain is-

(a) 100 feet

(b) 66 meter

(c) 66 feet

(d) 100 meter

(ii) v'oxdkk dk ifjokj gSA

¼½ xfeuh

¼½ yX; feukd h

¼ ½ Ø hQjh

¼½ I ksyud h

The family of "Aswegandha" is-

(a) Graminee

(b) Leguminoceae

(c) Cruceferae

(d) Solanaceae

(iii) LVVkd kbDyhu gS, d &

¼½ [kji rokj uk'kh

¼½ t̄hok.kq uk'kh

¼ ½ QQm uk'kh

¼½ mijkd̄r I Hkh

Stroptocyclene is a-

(a) Weedi cide

(b) Bactericide

(c) Fungi cide

(d) All of the above

(iv) fuEu i k̄ks dk I hfM; e Xokt̄kok okuLi frd uke gS &

¼½ vke

¼½ dVgy

¼ ½ dktw

¼½ ve: n

The botanical name *Psidium guajava* is of the following plant

(a) Mango

(b) Jaelefruit

(c) Cashewnut

(d) Guava

- (v) r\$ kj t\$yh dh fcDI oY; qgksh gS &
 ¼½ 75&78⁰ ½ 85&88⁰
 ¼ ½ 65&68⁰ ¼½ 55&58⁰
- Brix value of prepared Jelly is -
- (a) 75&78⁰ (b) 85&88⁰
 (c) 65&68⁰ (d) 55&58⁰

[k.M ^c** @ Section "B"

fjDr LFkuka dh i frZ djks &

¼x5=5)

Fill in the blanks -

- (i) vfhk; Urk tjhc ea ----- Vx gkrs gS A
 There are tags in Engineer chain
- (ii) jke fuokl i kdZ ----- ea fLFkr gS A
 Ramnivas park is situated at
- (iii) Qksukske fjdkMZ iZ kj dk ----- I k/ku gS A
 Phonogram record is..... aids of extension.
- (iv) vkei kyh ----- dh fdLe gS A
 Amrapali is variety of
- (v) VksVks dpi dk fcDI oY; q ----- gkrk gS A
 Brix value of Tomato ketchup is

- izu 2& ty fudk; dks i fjHkkf"kr dhft, A ½½
 Define drainage.
- izu 3& ty m | ku dks I fki ea I e>kb; sA ½½
 Explain water garden in brief.
- izu 4& bukfpk dk ukefdr fp= cukb; sA ¼ \$ 1¾2½
 Draw a well labelled diagram of Inarching.
- izu 5& ^t\$yh ugha terh gSA** D; ka \ I e>kb; sA ½½
 "Jelly do not solidify." Why ? Explain.

izu 6& dVgy dk i kSk jki .k I fki ea l e>kb; sA 1/2 1/2

Explain planting of Jackfruit in brief.

izu 7& ty fudkl dh dkbZ N% fof/k; ka ds uke fyf[k, A (1/2x6=3)

Write the name of any six method of drainage.

izu 8& vjgj dh [ksh dh tkudkjh fuEu fclnq/ka ea fyf[k, A (1x3=3)

1/2 1/2 okuLifrd uke 1/2 1/2 chtnj 1/4 1/2 mit

Write following information of Arhar (Redgram) cultivation.

(a) Botanical name (b) Seed rate (c) Yield

izu 9& , d 1248 fyad dh njh x. Vj tjhc l suki h x; h A tjhc 0.4 fyad Nksh Fkh rks eki h x; h njh dh l gh yEckbz dh x. kuk dhft, A (3)

A distance of 1248 link is measured by Guntar chain. The chain is defective which is 0.4 link shorter than standard chain. Calculate the actual length of measured distance.

izu 10& vki ekfkk dk fu; .k ds sdjks \ l e>kb; sA 1/2 1/2

How will you control Motha (*Cyprus rotundus*). Explain.

izu 11& tokgj jkst xkj ; kst uk dks l fki ea l e>kb; sA 1/4 1/2

Explain 'Jawahar Rozgar Yojna' in brief.

^vFlak (OR)**

vks pkfjd f'k{k.k , oa vuks pkfjd f'k{k.k ea varj fyf[k, A 1/2 dkbZ 8 1/2 (1/2x8)

Write difference between formal and non formal education. (any eight)

izu 12& Hkkj rh; Nf" k vuq ddku l dFkku }kj k fodfl r xy/kc dh dkbZ vkB fdLeka ds uke fyf[k, A (1/2x8)

Write any eight variety of Rose which is released by I.A.R.I.

^vFlak (OR)**

, d vPNh gfj; kyh dh dkbZ vkB fo' kSkkrk, i fyf[k, A (1/2x8)

Write any eight characteristics of good Lawn.

izu 13& vkarfjd dkjd vke ds , dklrj Qyu dksfdl idkj i Hkkfor djrk gs \ 1/4 1/2

How does internal causes effect alternate bearing of Mango.

^vFkok (OR)**

I kbM xsfj/x dk I fp= o.ku dhft , A 1/2\$2¾4½

Describe side grafting with a well labelled diagram.

izu 14& I rjk Ldb'sk cukus dh vko' ; d I kexh , oafof/k fyf[k, A 1/2\$2¾4½

Write essential materials and method of making Orange squash.

^vFkok (OR)**

Qy , oal Cth ifjj{k.k ds vLFkk; h fl)kr fyf[k, A ¼dkbz pkj½ (1x4=4)

Write temporary principles of fruit and vegetable preservation. (any four)

izu 15& 'kL; ;kst uk dh fo'kkrk, i fyf[k, A ¼dkbz i kp½ (1x5=5)

Write characteristics of cropping scheme.

^vFkok (OR)**

mRre QI y pØ ds vko' ; d y{k.k fyf[k, A ¼dkbz i kp½ (1x5=5)

Write essential criteria of good crop rotation. (Any five)

izu 16& 'kqd [krh dh ubz rdudh dks I qki ea I e>kb; sA 1/5½

Explain new technology of dry farming in brief.

^vFkok (OR)**

vrortz [krh ds izdkjka dks I qki ea I e>kb; sA 1/5½

Explain type of inter cropping in brief.

izu 17& iMh QI y I svf/kd mi t ikr djus dsfy, I qko fyf[k, A ¼dkbz ni ½

(½x10=5)

Write suggestion for fetching more yield from Ratoon cropping

^vFkok (OR)**

I ks kchu I svf/kd mRi knu ikr djus dsfy, I qko fyf[k, A ¼dkbz ni ½

(½x10=5)

Write suggestion for fetching more yield from Soyabean. (any ten)

izu 18& I jtedqkh dh [krh fuEu fcUnq/ka ea I qki ea I e>kb; sA (1x6=6)

1/2½ egRo] 1/2½ tyok; j 1/4 ½ Hkfe

1/4½ [kkn , oamo]d 1/2½ chtnj 1/2½ mi t

Explain cultivation of Sunflower on following points in brief.

- (a) Importance (b) Climate (c) Soil
(d) Manures and fertilizers (d) Seedrate (f) Yield

OR

Explain production method of Oyster Mushroom in brief. (1x6=6)

Write the mechanical method of weed control. (any six) (1x6=6)

OR

Write the cultural method of insect pest control. (any six) (1x6=6)

00

d{k k 12oha
fo" k; & Ql y mRi knu ,oa m | ku 'kkL=
^l £i y mRrj**

mRrj 1& [k.M %½ oLr(u"V izu (1x5=5)

(i) & l

(ii) & n

(iii) & c

(iv) & n

(v) & l

[k.M %½ fjDr LFku (1x5=5)

(i) 9

(ii) t; ij

(iii) J0;

(iv) vke

(v) 28 l s30

mRrj 2& Ql y dh i hkokj c<kusgrqHkrie dh l rg ; k v/kks l rg l svfrfjDr ty dks
 Ñf=e : i l sckgj fudkyuk ty fudkl dgykrk gSA ½½

mRrj 3& ty m | ku& ty m | ku tyk'k; dk y?kq: i gh gkrk gSA m | ku ds l cl suhps
 okys LFku xgjk dj tyk'k; cuk; k tkrk gSA bl ea ty ea mxus okys i ksk
 t\$ sdey] dep vkfn yxk; k tkrk gSA

mRrj 4& ½½

- mRrj 5& tsyh ugha terh gSD; kfd& $\frac{1}{4} \$1\frac{3}{4}2 \text{ vd}\frac{1}{2}$
- $\frac{1}{4}\frac{1}{2}$ tsyh dsfy, vR; f/kd 'kDdj dk iz, ksx djuk A
- $\frac{1}{2}\frac{1}{2}$ tsyh dsfy, /khj&/khjsnj rd rFkk vf/kd idkuk A
- mRrj 6& dVgy ds i kSk jki .k & i kSk varj .k 10x10m, xM<sdk vkdkj 1x1x1 m r\$ kj
 dj bl ea 50kg F.Y.M. 0.5kg E; jv vkM i k/k'k rFkk 25gm 5% , YVDI pwlz
 feyk dj Hkj nrs gA i kSk tsykbz l sfl rEcj rd yxkrs gA $\frac{1}{2} \text{ vd}\frac{1}{2}$
- mRrj 7& ty fudkl ds fof/k; ka ds uke & ($\frac{1}{2} \times 6 = 3 \text{ vd}$)
- $\frac{1}{4}\frac{1}{2}$ vLFkk; h ukfy; kj $\frac{1}{2}\frac{1}{2}$ dV&vkmV ukfy; kj
- $\frac{1}{3}\frac{1}{2}$ LFkk; h ukfy; kj $\frac{1}{4}\frac{1}{2}$ eMka dks dkVdj
- $\frac{1}{5}\frac{1}{2}$ Vkby MBI $\frac{1}{6}\frac{1}{2}$ eksy MBI
- $\frac{1}{7}\frac{1}{2}$ LVksu MBI $\frac{1}{8}\frac{1}{2}$ ikbi MBI
- $\frac{1}{9}\frac{1}{2}$ i ksy MBI
- mRrj 8& vjgj dh [krh $\frac{1}{4} \times 3 = 3 \text{ vd}\frac{1}{2}$
- $\frac{1}{4}\frac{1}{2}$ okuLifrd uke & dStul dstku (Cajanus Cajan)
- $\frac{1}{6}\frac{1}{2}$ chtnj & 12&15 kg/gDV\$ j
- $\frac{1}{4} \frac{1}{2}$ mi t & 15&18 fDvVy@gDV\$ j
- mRrj 9& I gh njh $\frac{3}{4} \frac{L^1}{L} \times \text{eki h x; h njh A}$ $\frac{1}{4} \text{ vd}\frac{1}{2}$
- $L^1 = L - e = 100 - 0.4 = 99.6 \text{ fyad}$ $\frac{1}{4} \text{ vd}\frac{1}{2}$
- $L = 100$
- I gh eki $\frac{3}{4} \frac{99.6}{100} \times 1248 = 1243 \text{ fyad}$ $\frac{1}{4} \text{ vd}\frac{1}{2}$
- $\frac{1}{4} \$1\$1\frac{3}{4}3 \text{ vd}\frac{1}{2}$
- mRrj 10& ekFkk dk fu; a.k &
- $\frac{1}{4}\frac{1}{2}$ xh"e dkyhu t rkbz & $\frac{1}{4} \text{ vd}\frac{1}{2}$
- $\frac{1}{2}\frac{1}{2}$ 2-4 D 4.5kg, 600&800 yhVj i kuh ea?kkydj ekFkk ij fNMdko dja; k 2-8kg
 , lve dks 1100 fyVj i kuh ea?kkydj i nZ vdj .k fNMdko djaA $\frac{1}{2} \text{ vd}\frac{1}{2}$
- mRrj 11& bl ; kstuk dks Hkj r ds i Fke izkkuea-h Lo- Jh tokgj yky ug: dh tle
 'krkCnh o"lz 1889&90 ea ykxwfd; k x; k Fkk A bl ds ek/; e l s xkeh.k {ks-ka ea

xjhch j[kk l s uhs thou ; ki u dj jga ifjokjka ds cjkstxkj l nL; ka dks
 jkstxkj mi yC/k djk; k tkrk gSA ; g ; kstuk NAREGA dsuke l stkuk tkrk
 gSA bl l s xkeh.k {ks= ea , d h l kepkf; d ifj l Ei fRr; ka ea l tu tks mudh
 vkfFkd rFkk l kekftd fLFkr ds l q<hdj.k ea l gk; d g\$ vkfFkd c<krjh gsrq
 mRrj d gks rFkk xkeh.k xjhcka ds vkfFkd Lrj ea LFkk; h l qkkj ykuseami ; ksch
 gSA 1/4 1/2

^vFlok**

	vkf pkfjd f'k{k.k		vukf pkfjd f'k{k.k
Ø-	f'k{k.k ikB; Øe ij dslnr	1-	f'k{k.k dk; Z vko'; drk , oa l eL; k
1-	jgrk gSA		, oa l eL; k emyd gsrk gSA
2-	ikB; Øe i wZ fu/kkzjr gsrk gSA	2-	ikB; Øe f'k{k{kFkhZ dh vko'; drk&
			ud kj cuk; s tkrsgSA
3-	fl) kar , oa iz kx nksuk crk; s	3-	djds l h[kusdk fl) kar ij vk/kkzjr
	tkrsgSA		gsrk gSA
4-	l Hkh f'k{k{kFkhZ yxHkx l eku	4-	f'k{k{kFkhZ fofHku mez ds t\$ &cPp\$
	mez ds gsrsgSA		cq\$ 0; Ld vkfn gsrsgSA
5-	Nk= dks f'k{k{kd ds funz kkuq kj	5-	f'k{k{kFkhZ ka dh l gefr l s gh fn'kk
	pyuk i Mfk gSA		funz ku gsrk gSA
6-	Nk= fo"ka; ka dk v/; ; u djrs	6-	f'k{k{kFkhZ l eL; kvka dk v/; ; u djrs
	gSA		gSA
7-	Nk= fMlykek ; k fMxh l s	7-	i ek.k i =ka l s dkbZ l adk ughagrk A
	l ad/kr gsrh gSA		
8-	l LFkk ds fu; eka dk vuq kyu	8-	f'k{k{kFkhZ cgq dqi Loræ gsrsgSA
	vko'; d gSA		
9-	ed; /; s fo kFkhZ ka ds 0; fDrRo	9-	0; kogkfjd thou ea i Hkko Mkyuk
	dk fodkl djuk gSA		gSA
10-	vf/kdkak f'k{k.k dk; Z d{kk rd	10-	cgq l k f'k{k.k dk; Z d{kk ds ckgj
	gh l hfer jgrk gSA		Hkh gsrk gSA
11-	f'k{k.k f'k{k{k 'kkL= fl) karka	11-	f'k{k.k i d kj f'k{k{k ds fl) karka ij
	}kj l pkfyr gsrk gSA		l pkfyr gsrk gSA
12-	vf/kdkj v/; kdi ka ds gkFk ea	12-	vf/kdkj i k; % f'k{k{kFkhZ ka ds gkFk ea
	gsrk gSA		gsrk gSA (1/2x 8 = 4)

mRrj 12&

(i) ekguh

(ii) xak

(iii) i k l kfu; k

- (iv) I nkcgkj (v) I j[kk (vi) Hkhe
- (vii) I qtkrk (viii) xytkj (ix) xytkj
- (x) I w kñ; (xi) ekfguh dh cgu i æk
- (xii) Lokrh (xiii) ga (xiv) gkæhHkkHkk
- (xv) fga kfxuh (xvi) uouhr (xvii) fprou
- (xviii) fnYyh fi ðl st (½x 8 = 4)

^vFlok**

vPNh gfj; kyh dh fo'kkrk, j & (½x 8 = 4)

- ¼½ gfj; kyh , d h gks tksfd nj I sgh ugh] cfYd i kl I sn[kus ea Hkh I nj yxsA
- ½½ fdl h i ðkj ds nq[/k u vk; sA
- ¾½ i jk o"lz Hkj gjk jæk cuk jgsA
- ¾½ dkey rFkk I ?ku gksA
- ½½ I [kk ds ifr I gu'khy gksA
- ½½ jksx , oa dhV ds ifr jkskd {kerk gksA
- ¾½ ?kl p[kus okyh u gksA
- ¾½ gfj; kyh ij Nk; k u i M+ A
- mRrj 13& vkarfjd dkjd vke ds , dklrj Qyu dks bl i ðkj i Hkkfor djrk gS&
- ¼½ i k[ka dk Qyr LoHkko& vke ea igys o"lz Qy vxz dfydkvka ij i ðk gks gS rks vxys o"lz vxz dfydk Qy i ðk u djds i jkj i ðk djrh gS ftl I sn[jso"lz i k[ka fcuk Qyr ds jg tkrk gSA ifj .kkeLo: i vke ea , dklrj Qyu gksrk gA
- ½½ ubZof) djus dh vknr (Flushing habit)- vke dso{k vuojr : i I sof) ugha djrs ftl ds dkj .k , dklrj QI u gks tkrk gSA
- ¾½ uj rFkk eknk Qy/ka ds vuq kr (Sex ratio)- jkekuh 113%] rks ki jh 15%] n'kgjh 3%] yaMk 5%] I kekuh] rkrki jh fdLea n'kgjh , oa yaMk fdLe dh rnyuk ea fu; fer Qyu nrk gSA vFkkzr uj Qy dh I [; k eknk Qy dh rnyuk ea de gksus ij , dklrj Qyu gksrk gSA
- ¾½ dkck[kbM\$ rFkk ukbVrstu dk vuq kr (C:N ratio)- C:N ratio 10:1 I okz/kd vuq[gSA tc i k[ka ea ukbVrstu dh vf/kdrk v[dkck[kbM\$ dh deh gks rks , dklrj Qyu gksrk gSA ¼½

1/5 1/2 chtk.kq d k fxjuk (Ovule abortion)- Qy cuusdh i k j aHkd coLFkkvka ea chtk.kq
 {kh.k gks tkrsga vkj} Qyr ekjh tkrh g sifj.kkeLo: i , dklrj Qyu gkrk gA
^vFkok**

I kbM x fV/e dk I fp= o.ku & 1/2 \$2 3/4 1/2

- 1/1 1/2 eny olr dk p; u djrs gA
- 1/2 1/2 I k[k dk p; u i s l y eks/ kbZ , oa , fPNd gks A
- 1/3 1/2 eny olr ij x fV/ Vx ukbQ dh I gk; rk dVku yxkrsgA
- 1/4 1/2 I k[k ij LQkU dh HkkVr dVku yxrks gA
- 1/5 1/2 I k[k dks eny olr ij yxkdj i ksyhFkhu i VVh ckak nrs gA
- 1/6 1/2 1 1/2 ekg ea i kskk r\$ kj gks tkrk gA

mRrj 14 & **I rjk Lds k&** (2+2=4)

vko' ; d I lexh & Qyka dk j l & 1 yhVj] i kuh & 1 yhVj] phuh & 2kg, I kbV'd
 vEy & 15gm, i k s / f ' k ; e e s / k ckb I YQkbV & 2gm, Qy dh I qak & 4gm,
 [kkus dk j a & vko' ; drkuq kj A

- fof/k&**
- 1/1 1/2 Qyka dk p; u & LoLFk] rtk Qy
 - 1/2 1/2 Qyka dks / k s u k , oa Nhyuk A
 - 1/3 1/2 Qyka l s j l fudkyuk A
 - 1/4 1/2 pkl uh cukuk A
 - 1/5 1/2 pkl uh ea j l feykuk A
 - 1/6 1/2 j a] j l s l feykuk A
 - 1/7 1/2 futhbh Nr cky ea Hkjuk A
 - 1/8 1/2 I hy djuk , oa ycy yxkuk A

^vFkok**

Qy , oa I Cth ifjj {k.k ds vLFkk; h fl } ka & (1x4=4)

1/1 1/2 **I QkbZ (Cleaning)-** I M&xys rFkk pks/ [kk; sgg nkxh Qyka , oa l fct ; ka dks
 vyx dj nrs gA Qyka dks l kQ dj ds l ko/kkuh i wZd i sV ; ka , osVkdj ka ea Hkjus
 I svf/kd l e ; rd l j f {kr jgrsgA

1/2 1/2 de rki Øe (Low Temperature)- de rki Øe ij j [kus l s l (etho fu"Øh; ; k de l fØ; gkrsgsftl l s Qy , oa l fØt; ka vf/kd l e; rd l jf{kr jgrsgðA

1/3 1/2 vf/kd rki Øe- l kekU; l svf/kd rki Øe ij Hkh Qy , oa l fØt; ka dks vf/kd l e; rd l jf{kr j [k l drsgðA

1/4 1/2 ueh rFkk gok l scpkO& Qyka dks B.Ms 'kq'd , oa ueh jfgr okrkoj .k ea j [kus ij thok.kq/ka dk vf/kd i Hkko ugha i M-rk A ftl l s Qy , oa l fØt; kWvf/kd l e; rd l jf{kr jgrsgðA

1/5 1/2 gYds dhvk.kq uk'kd i nkFkkz dk iz kx& Qyka rFkk l fØt; ka dks l jf{kr j [kus dsfy, phuh] fl jdk] ued] ryo l kSM; e catks V dk iz kx ykHkdjh jgrk gSA bl l svYidky dsfy, mlga l jf{kr j [k l drsgðA

mRrj 15& **'kL; ;kstuk dh fo'kkrk,j &** (1x5=5)

1/1 1/2 ftu [krkaea Ql y pØ viuk; k tk jgk gSmudk {ks=Qy l eku gksuk pkfg, A

1/2 1/2 ftruso"lz dk Ql y pØ gks mrus gh ; k xqkkad l d; k ea [kr gksuk pkfg, A

1/3 1/2 pkjs dh Ql yka dk {ks=Qy yxHkx 10 i fr'kr gksuk pkfg, A

1/4 1/2 Ql y pØ ea i jrh Øe j [kuk pkfg, A

1/5 1/2 'kL; ;kstuk ea Hkfe] Je] i pth] fl pkbz] [kkn vkfn dk l efpr mi ; kx gksuk pkfg, A

^vFtok**

mRre Ql y pØ ds vko'; d y{k.k& (1x5=5)

1/1 1/2 Ql y pØ , d k gksfd ifro"lz Ql yka dk dgy {ks=Qy yxHkx cjkcj gh gksA

1/2 1/2 Ql y pØ vf/kdre fl) karkadk ikyu dj jgk gksA

1/3 1/2 Ql y pØ bl i zdkj dk gksuk pkfg, fd foHkUu i Hkko Mkyus okys dkj dka dks /; ku ea j [kdj r\$ kj fd; k tkuk gksA

1/4 1/2 mi yC/k l d k/kukadk l efpr <x l smi ; kx gksA

1/5 1/2 Hkfe dh mojr k dk gkl U; ure gksA

mRrj 16& **'kq'd [krh dh ubz rduldh &** (1/2x10=5)

1/1 1/2 xh"e dkyhu tqrkbzA

1/2 1/2 eM clnh A

- 1/3½ I [kk l gu djus okyh Ql ya mxkuk tš & Tokj] cktjk] tkš puk] vyl h vkfnA
- 1/4½ cht nj dh ek=k de A
- 1/5½ i kšk vřj.k vf/kd A
- 1/6½ thokak [kkn dk iz ksx A
- 1/7½ , dh VRUI i kbjšV j l k; u tš & fl fydku] , ukDykš gkbMRDI h yekbu vkfn dk iz ksx A
- 1/8½ okVj gkošLVak A
- 1/9½ eYp A
- 1/10½ I [kk l gu djus okyh Ql yka dsfdLe tš s xšp C-306] puk G-24

~vFkok**

vroriž [krh ds idkj& (1¼x4=5)

- 1/1½ I ekulřj Ql y mxkuk (Parallel cropping)- , d l kFk nks , š h Ql ykadksysuk ftuds fodkl dk <ak vyx&vyx rFkk muds chp 'kš; i fr; kšxrk dh i fjfLFkr gks l ekulřj Ql y gšA mnkgj.k vjgj ds l kFk ewk dk mnZdksysukA
- 1/2½ I gpj : i ea Ql y mxkuk (Companion cropping)- bl [krh ea , d Ql y nš jh Ql y dh i škokj ij vl j ughaMkyrh gSA vFkkř-nks Ql yka dh i škokj 'kš) Ql y dscjkj fey tkrh gSA tš s xšuk ds l kFk xšp; k l j l ka dh Ql y mxkuk A
- 1/3½ fl uj tšVd [krh (Synergetic cropping)- bl ea eq; Ql y rFkk xkšk Ql y nksuka dh mi t vyx&vyx 'kš) Ql yka dh mi t dh rgyuk eac<+tkrh gSA tš scjl he \$ l j l kš xšuk \$ vkywA
- 1/4½ cgeřtyh Ql y mxkuk (Multistoreyed cropping)- fofHku Åpkbz vksj c<okj okyh 3&4 Ql ya l kFk&l kFk mxkuk gh cgeřtyh [krh gSA mnkgj.k & ukfj; y&dkyhfep&dkak&vlukl A

mRřj 17& **iMh Ql y l s vf/kd mi t ilr djus ds l ško &** (½x10=5)

- 1/1½ xšus dh mi ; šr fdLe dh cškbz tš s & C 1148, CO1158
- 1/2½ eq; Ql y Qjoh&ekpz ds i Fke l lrg ea vo'; dkV ya A

- 1/3½ [ks dh I QkbZ dj i fRr; ka dks tyk na A
- 1/4½ i jkuh eMka dks rkM sA
- 1/5½ xLus dh i Mh ea i gyh fl pkbZ nj I s dja A
- 1/6½ 150&200kg u=tu@gDV s j dh nj I sna A
- 1/7½ ul jh r s kj dj xi fQfyx dja A
- 1/8½ 3&4 ckj fudkbZ xMkbZ dja A
- 1/9½ dhV , oajks dk fu; æ.k dja A
- 1/10½ , d gh ckj i Mh QI y ya A

^vFlak**

I ks kchu I s vf/kd mRi knu i lr djus ds I pko & (½x10=5)

- 1/1½ I ks kchu mfpr ty fudl okyh nkeV] efV; kj] VkeV enk ea cks a A
- 1/2½ 65&80kg cht@gDV s j dh nj I s cks a A
- 1/3½ cht dks mi pkfjr rFkk jkbt kfc; e dYpj I sfuof'kr dj cks a A
- 1/4½ mUur 'khy fdLe t s & xk s o] n x k j v d j] P.K. 172 vkfn ck; a A
- 1/5½ 20&30kg u=tu] 60&80kg QkLQkj I] , oa 40&60kg i ks/k'k i frgDV s j na A
- 1/6½ t u & t y k b Z d s i F k e I l r k g r d v o ' ; c k s a A
- 1/7½ vk' ; drku d kj fl pkbZ dja A
- 1/8½ nks ckj fudkb&xMkbZ dja A ½c pkbZ ds 30 o j 45oafnu½
- 1/9½ dhVka dk fu; æ.k dja A
- 1/10½ jkska dk fu; æ.k dja A
- 1/11½ xe&ue tyok; qokys {ks=ka ea c pkbZ dja A

mRrj 18& **I j te d h dh [ksh &** 1/1 x 6 3/4 6 1/2

- 1/1½ egRo& r sy] cyt ea 24&30% r sy dh ek=k fyukfyd vEy ds vf/kd gkus ds dkj.k dksyLVky dh of) dks jkdrk gSA
- 1/2½ tyok; & 50cm dh okf"kd o"kk] cht v d j .k 4&5°C rkieku] cht idus ds I e; de rkieku ¼gedkj h½ ds i fr I o nu'khy A cht idrs I e; LoPN] pedhys/ki mi ; p r A
- 1/4 ½ Hkfe& cy p Z n k e j] efV; kj Hkfe ty fudkl okyh mi ; p r pH 6.7-8.5
- 1/1½ [kkn , oamo j d & 80kg u=tu] 60kg QkLQkj I i fr gDV s j A 1@3 u=tu

Qny f[kyus ds l e; nãA

1/10½ chtnj & 8kg @gDV\$ j

1/10½ mi t & 15&20 fDwVy@gDV\$ j

^vFtok**

vk; LVj e'k: e ds mRi knu fof/k &

1/1 x 6 3/4 6 1/2

1/11½ [ksh dk ek/; e & /kku dk i \$k ; k xgpy dh Hkl h yrs g\$A

1/12½ mi pkj djuk & bl s xeZ i kuh mi pkj ; k l akk\$/kr xeZ i kuh mi pkj ; k jkl k; fud mi pkj fof/k l smi pkfjr djrs g\$A t\$ sjkl k; fud mi pkj 25 yhVj i kuh ea 1/2 gm dkcMkfte , oa35 feyh Qke\$yhu ea 2-5 gm i \$k dks 12&15 ?k\$/s ds fy, Mckr s g\$A

1/13½ chtkbZ ; k Li kluak djuk & 60&70% ueh i \$k ; k Hkl h ea chtkbZ djrs g\$A

1/14½ cht c<okj fLFkr & chtkbZ fd; s x; sek/; e dks i kyhFkhu ea Hkj dj th-vkbZ rkj ea yVdk nrsg\$A 8 fnu dsckn i kyhFkhu FkSyh dkVdj i q% yVdk nrsg\$A mRi knu d{k dh vknZk 70% gkuk pkfg, A l qg & 'kke gtkjs; k Li \$ j l si kuh dk fNMelko djrs g\$A

1/15½ rMkblZ & Fk\$y; ka dkVus ds 3&4 fnuka ea e'k: e mRi knu i kjHk gk tkrk gSA i wZ fodfl r e'k: e dks gYds gkFka l sekMelj rMkblZ dja A

1/16½ mi t & 2 1/2 kg ek/; e l s 2&3 kg e'k: e mRi knu gkrk gSA

mRrj 19& **[kji rokj fu; ã.k dh ; kf=d fof/k; k; &** (1x6)

1/11½ [kji rokj ka dks gkFk l sm [kkMek (Hand pulling)

1/12½ gkFk l sfudkb&xMkblZ djuk (Hand hoeing)

1/13½ [kji rokj ka dk dkVuk (Weeds moving)

1/14½ Ñf=e vkoj .k (Mulching)

1/15½ ck<+ }kjk (Flooding)

1/16½ vkx yxkdj (Burning)

1/10u fclnq/ka dk o.ku djus ij 1x6= 6 v d 1/2

^vFtok**

dhV fu; æ.k ds d"lk fof/k; k&

(1x6)

¼½ [ks ea 'kL; ko' kška dks u"V djuk &

½½ [kji rokja dks u"V djuk

¾½ xh"e dkyhu tṙkbZ

¼½ fl ṙkbZ

½½ Ql y pØ

¾½ dhV ifrjkskh fdLeka dk iz, ksx

¼.kū \$ mnkj.k nšs ij 1x6= 6 v½

&&00&&