khfhz f fyt‰j j‰i z ffsk
tlfF khfhzk
khfhzkll Mz bWj‰g nghJg gul i r - 2014
t‰QQhdk

juk - 11 Neuk : 1.00 kz‰j j‰ahyk

gFj‰I

(i) vyyh t‰dhffSfFk t‰il jUf.
(ii) 01 njhlffk 40 tiuAss t‰dhffs xtnthdw‰Yk (1) (2) (3) (4) vd ,yffk‰ll t‰ilfs‰y ru‰ahd myyJ k‰fgnghUj jkhd t‰iliaj nju‰Tnraf.
(iii) ckfF toqfgglLss t‰iljjhs‰y xtnthU t‰dhTfFk cu‰a tllqfs‰y ckJ t‰ila‰dvz iz xjj tlljj‰DsNsGssbia(X) ,Lf.

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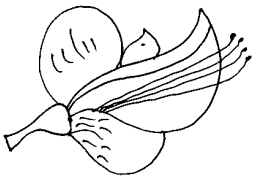
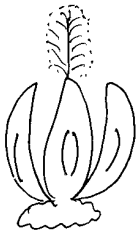
01) g‰dtUtdtwWs t‰jJffis cUthfFkG ffhj jhtukvJ?
1) khffhdr‰ah 2) ryt‰d‰ah 3) nryh[‰ndyyh 4) irff]

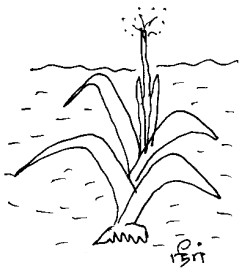
02) kqf‰axs‰ay ghhggjwF ,lhggLf‰dwxUtu‰y ghj‰ffgglbUfff$ba t‰oj j‰iua‰y fhzg glf$ba fytiff fllikgG
1) $kGffyk 2) t‰ont zglyk 3) Nfhyffyk 4) NjhYUffyk

03) ,Qr‰j jhtuknjhlhghd g‰dtUk $wWfSs j twhd $wW
1) Nthfs%yk Gj‰a jhtuqfs cUthf‰dwd.
2) jfhj fhyqfs‰y jiuff‘ogghfk mo‰ahJ
3) fZffs FWfF tufshff fhzggLk
4) kzz‰y jiuff‘oggh fqfs rkhejukhf tsUk

04) Gffs r‰ytww‰d mikgGf fhllgglLssJ.


A)


B)


C)

,twWs fhwwhy kfuejr Nrhfifeilngwf$baJ
1) AAk CAk 2) AklLk
3) BklLk 4) BAk CAk

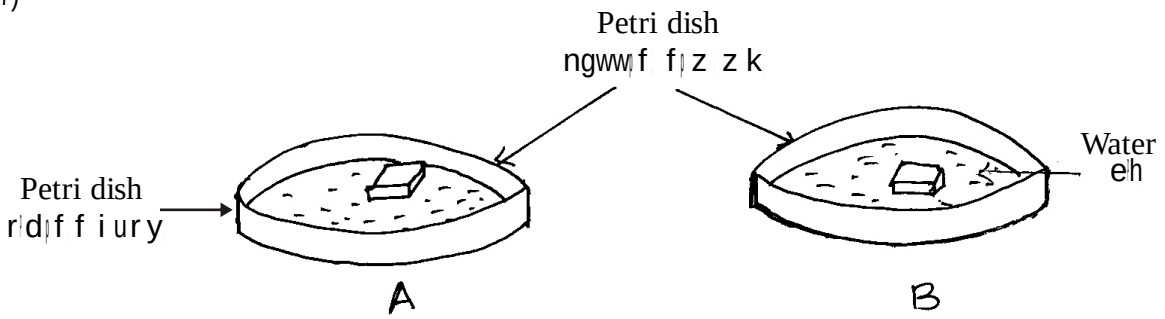
05) ca‰d t‰ay ,Unrhwngau‰lLK iwfNfwggllhz‰ffliyj jhtujj‰dngaiur ru‰ahff Fw‰gg‰Ltj.
1) *Pisum sativam* 2) *Pisum Sativam*
3) *pisum Sativam* 4) *pisum sativam*

06) ABCD vdDk ehdF tpyqFfspd ,ayGfs fotUkhW fhzggl ld.

tpyqF	,ayGfs
A	cUis tbtkhd JzLgll cly czL. ntspjjhffqfs fhzggltpyiy.
B	Gwtd$L czL. jirnrwthd ghjk czL.
C	Miur rkrruhdJ
D	JzLgll cly czL.%lLffis cila Nrhbahd J}ffqfs czL.

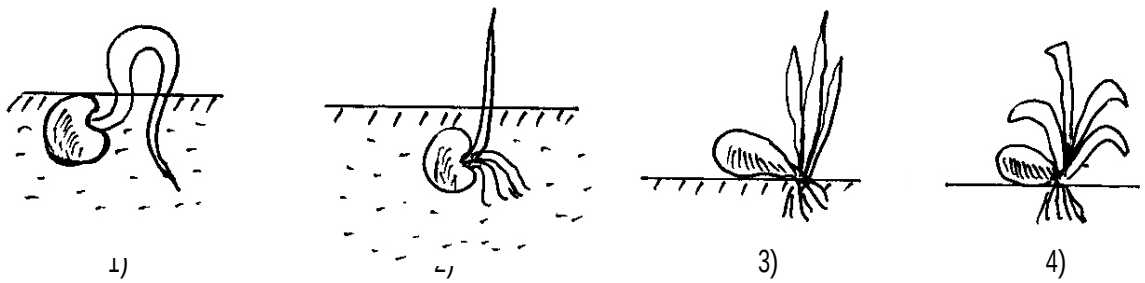
ABCD ahf mikaf$ba tpyqFfisr ruahd xOqfpy Fwpggl Lfpdw tpilgdtUtdtwWs
1) klilj Njs› flydpkzpejij›kzGO
2) kzGO›ejij flydpkzpklilj Njhs
3) klilj Njhs›ejij› flydpkzpkzGO
4) kzGO› flydpkzpejij›klilj Njs

07)



,Urk msthd cUisf fpoqFj JzLfs glj jpy fhllgglLssthW KiwNa rdpf fiurypYk/ epYk ,lgglL Fwpggll rpy kzp Neujjpd gddh mtjhdpffgglJ. A, B Mfpatwwpy Nkwnfhssf$ba mtjhdqfs njhlhghd $wWffspy ruahdJvJ?
1) A, B Mfpa ,uzbYk cUisffpoqFj JzLfs tpqfpaUfFk
2) A, B Mfpa ,uzbYk cUisffpoqFj JzLfs mstpy RUqfpaUfFk
3) cUisf fpoqFj JzL Aapy tpqfpAk Bapy mstpy RUqfpAk fhzggLk.
4) cUisf fpoqFj JzL Aapy msT RUqfpAk Bapy tpqfpAk fhzggLk.

08) juggll tuggpqfspy ,Utpjjpiyj jhtujjpwF cujjhd Kisjjiyf fhlLtJvJ?



09) ehf fisahd rytdpahitf flLggLjjggadgLkgqfR
1) MyllNeupah 2) ngdprypak 3) kpAffh 4) m]ng[py]

10) Rthrg nghwKiwa khhG tisaKk gunkdwfLk mirfdw tjKk mgNghJ rwwiwad mKffk› fdtsTvdgit khWfdw tjKkmlltiza jugglLssJ.

	A	B	C	D
khhG tisak	ntsNehff	csNehff	ntsNehff	csNehff
gunkdwfL	NkyNehff	NkyNehff	foNehff	foNehff
fdtsT	$Lk	FiwAk	$Lk	FiwAk
mKffk	FiwAk	$Lk	FiwAk	$Lk

,twWs clRthrjjwFk nghUjjkhdJ

1) A 2) B 3) C 4) D

11) fotfwWk mqfkhd rWeufjjyeilngWk ry nrawghLfSk mitеilngWk gFjfSk jugglLssd.

nrawghLfs	**gFjfs**
A) cauKff tbflly	P. vdNyad jlk
B) ks mfjJwQry	Q. fydNfhsk
C) rWeh ntsNawy	R. NrhfFkfhd

nrawghLfSfFuagFjfis xOqfhff fhlLtJ

1. A - P B - R C - Q
2. A - Q B - P C - R
3. A - P B - Q C - R
4. A - R B - P C - Q

12) ifjnjhow Gulr fF Kddh kuqfsy ntsisew ,iyffzfs ngUksty fhzgglld. mjdhy fUew meJffs ,iunfstg gwitfsdhy ,iuahffgglld. ,jdhy ntzzw meJffs vzzfifay mjfujjd. ,rnradKiwiaf FwjJewgJ.

1) kifcwgjj 2) khwy 3) Nghlb 4) jffdgiojjy

13) kdjdd ,ajjy ,jaKLffad mikt ljijr ruahff FwggJ?

1) tyJ ,jamiway Rthrgigehb Mukg fFk ,ljjwF mzikahf
2) ,lJ ,jamiway njhFjg ngUehb Mukg fFk ,ljjwF mzikahf
3) KwngUehsk tyJ Nrhizmiway jwggjwF mzikahf
4) Eiuauyehsqfs ,lJ Nrhizmiwa Ds jwggjwF mzikahf

14) gdtUkmZkhjuAUffisffzLgbjj tQQhdfisr ruahd xOqfy xOqFgLjjdhy

A - Nfhsfkzlykhjuh AU
B - gskGbqkhjuh AU
C - etdkhjuh AU

1) Vhd] ujNghl : eyNghh : njhkrd
2) njhkrd : eyNghh : Vhd] ujNghl
3) ehNghh : njhkrd : Vhd] ujNghl
4) Vhd] ujNghl : njhkrd : eyNghh

15) gsrrlLkdFkod (Flash bulb) , ioahdJ MffgglbUfFk cNyhfk
1) Ca - fyrak 2) Mg - kfdrak 3) Na - Nrhbak 4) Pb - <ak

16) kfetd jai zgghd vdf fUjggLtJ
1) `Nyhd jai zgghd
2) J}s jai zgghd
3) fhgdnuhlirl jai zgghd
4) Eiu jai zgghd

17) Grykh (Powder) Talk Rz zhkG (CaO), ehfxlirl (ZnO) thridgnghUlfisAknfhzbUfFk. ,qF ZnO Nrhffggltjwfhd fhuzk
1) Njhiynkdikahffttjwf
2) tahitia cwQRtjwF
3) tahitj Jthuk%Ltjwf
4) thridia VwgLjJtjwF

18) jzTffhgG tjjfF mikthfeilngWk jhffkvdW wfbaJ.
1) $H_2(g) + O_2(g) \longrightarrow H_2O(l)$
2) $Mg(s) + O_2(g) \longrightarrow MgO(s)$
3) $CuSO_4(aq) + Mg(s) \longrightarrow Mg_2SO_4 + Cu(s)$
4) $BaCl_2(ag) + Na_2SO_4(ag) \longrightarrow 2NaCl(aq) + BaSO_4(ag)$

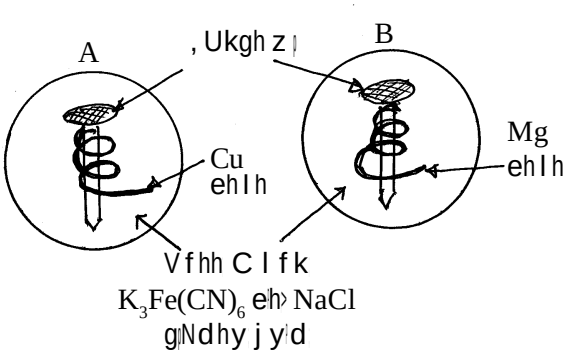
19) kdgFgG njhlhghd $wWffs fNo cssdkfruahd njhlhigf fhlLtJ

A - cUfa/fiuryeiyay	P - mNdhl
B - xlrNawwjjhffk	Q - fNjhl
C - ,UkGkJntss cNyhfkGry	R - kdgFnghUs
D - jhojjy jhffkeilngwy	S - kdKyhkly

1)	2)	3)	4)
A - P	A - R	A - Q	A - S
B - Q	B - P	B - S	B - R
C - R	C - S	C - P	C - Q
D - S	D - Q	D - R	D - P

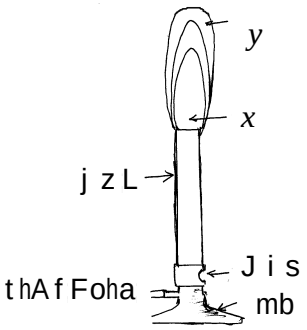
20) kddurhad mugGj jhffk njhlhghd gu Nrhjidmikg GmUfYssJ.mjdmtjhdqfs mlltizaYssJ.mtwWs nghUjjkhdJ.

A	B
1. ,Ukghziar #o eyewk	,Ukghziar #o eyewk
2. nrgGf fkgfF mzikaynkd rtgG	,Ukghziar #o nkd rtgG
3. ,Ukghziar #o nkd rtgG	,Ukghziar #o eyewk
4. nrgGf fkgiar #o eyewk	kfdrajijr #o eyewk

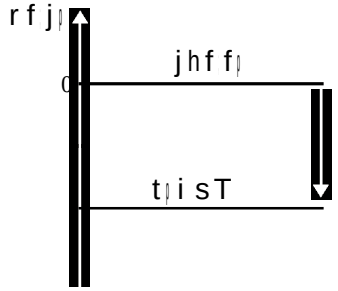


21) gdrd Rthiynjhlhghd $wWffSs VwWf nfhssf$baJ

1) Jisia%Ltjhyeiwjfdk VwgLk
2) vujYfFj Njitahd xlrird Nkwfh Tif%yk fjilfFk
3) Gssj Y , Yk X , yntggk mjfk
4) fUey tyajjYk ghhff , sey tyajjy Fiwjfdkeilng Wfj wJ.



22) ,urhadj jhffnkhdwd ntggkhwwjjwfhd tiuG mUfjYssJ , t tiugjyjUeJ



1) , jjhffjjdNghJ rfj cwQrggLf wJ
2) , J mfntggjjhffjjwFuaJ
3) ntggjij toqFk NghJ , jd jhfFjwd mjfufFk
4) Ijhd HCl cld NaOH lj jhffkilar nrajhy , ttifahd tiuG fjilfFk

23) $4 dm^3$ fdtsTilaghjjujjDs xlrird thA cssNghJ mjdhy VwgLj Jk mKffk 2×10^3 Pa MFk.mjd mKffjij 1.6×10^3 Pa Mfkhw Wtjw FvffdtsTilaghjjujj Ds nrYjj Ntz Lk (ntgge iy› jjzT khwtyiy)

1) $4 dm^3$ ghjjujj Ds
2) $5 dm^3$ ghjjujj Ds
3) $3 dm^3$ ghjjujj Ds
4) $6 dm^3$ ghjjujj Ds

24) eakf fiury jahujjy njhlhghd nrawghLfsy nraaf$lhjJ

1) fdkhdf fLit›Gdy fbfhuf fz zhb Mfatwiw fharr tbjjeudhy fOTjy.
2) jahuffNtzba fiuryd nrw T› fdtsitfnfhzL fiuajjd jzitff zjjy
3) fdkhdf FLitia jahufFk fiuryjdhyedF fOTjy
4) fdkhdf FLitajd Fkoggjiaf ifahygbjjy $lhJ

25) ksggsjqfhffy njhlhghd $wWffSs VwWfnfhss KbahJ.

1) gjhhjjkxdwDss khRffis Kwwhf mfwWtjwFg nghUjjkhdJ
2) njuTnraAk fiugghd fiuajjd KidTKidtww , ayGld nghUeJjy
3) ntggeiymjfugGld fiujwd mjfujjy
4) fiuriyrLjahff Fsutl LgsjqFfisg ngwy

26) rjWeufggurridfsnrqFUjffyqfsrijtiljy Mfaghjjg GfSfF fhuzkhf css ghu cNyhfk.

1) <ak Pb
2) flkjak Cd
3) ,urk Hg
4) ehfk Zn

27) fotUk $wWffis mtjhdjfFf.

$wW A : cejkhwW tjkmOjja tjirfF Nehtjfj rkdhFk.
$wW B: MhKLfy cejkhwW tjjjjwF Nehtjfj rkdhFk.
$wW C : MhKLfy jzjtwF Nehtjfj rkdhFk.
Nkw$wa $wWfsjy ruahdit

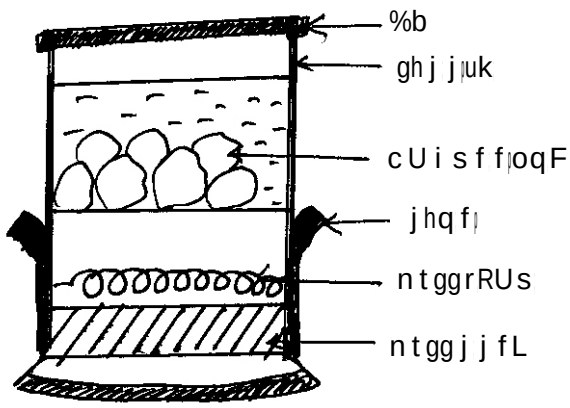
1) A, B, C Mfja%dWk
2) B, C Mfja , uzLk
3) A, B Mfja , uzLk
4) A, C Mfja , uzLk

28) nghUs xdwd kJ tjir jhfFk NghJ mgnghUsjd , ayGfsjy khwhjJ

1) esk
2) jzjT
3) Ntfk
4) tbtk

29) 800 kgm^{-3} mlhjj jAilanghUs xdW Fwjj jutjj jDs ,LkNghJ mjd fdtstymiu (1/2) gqF mkjof$bathW mkjoeJ kjjffjdwJ Majd jutjj jd mlhjj jahJ?
1) 400 kgm^{-3} 2) 800 kgm^{-3} 3) 1200 kgm^{-3} 4) 1600 kgm^{-3}

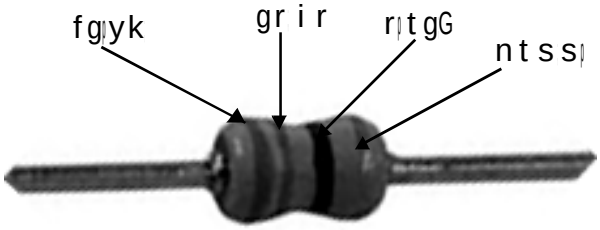
30) cUty ghjj juk xdwjDs eh ,lLmjDs cUisf fjoqFfs ,lLntggjjlbd cjt jAld ghjj juk ntggNkwwggLfjdwJ. ghjj juj jjd mb› cUisf fjoqFfs ghjj jujjjd %b vdgd KiwNa ntggj ijg ngWk Kiwfis KiwNa ruahff fhlLtJ



1) fjhgG› fljjy› NkwfhTif
2) fljjy› fjhgG› NkwfhTif
3) NkwfhTif› fljjy› fjhtry
4) fjhgG› NkwfhTif› fljjy

31) Ftis xdwYss eujd ntggejiy 32^0c vd mstlggllJ. ,tntggejiyianfytjd (K) mstlby $WkNghJ miktJ
1) 0 2) 273 3) 305 4) 241

32)



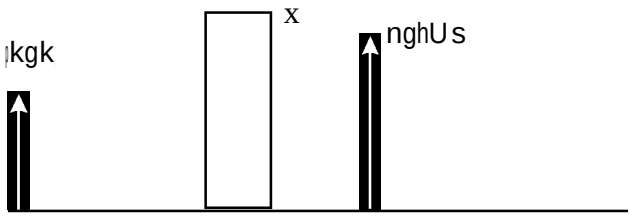
cUty fhllggll jilaajd cahjilgngWkhdkhfmiktJ
1) 1650Ω 2) 1500Ω 3) 1350Ω 4) 3000Ω

33) xNu gjhhjjjjjdhy Mffggll ,U fkgjfsjd e'sk› FWfFntlL KfggugG vdgd f'Oss mlltizay juggllLssJ.

	A	B
e'sk	2m	1m
FWfFntlL Kfggug G	$1mm^2$	$0.5mm^2$

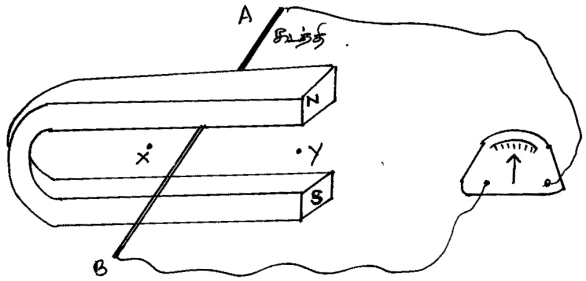
fljjfs A, B ,djilfs njhlhghfr ruahdJ
1) A ajd jil Bay Yk $baJ
2) Aajd jil B ,djilajd ,UklqF
3) Aajd jil Bay Yk Fiwej J
4) Aajd jilAk Bajd jilAk rkdhFk.

34) mjUk nghUs xdwjdhy cUthffggLk xyjmiyajd kbwdjy jqfjAss xyajd rwggjayG
1) trrk 2) RUjj 3) gzG 4) cuhaT

35) 

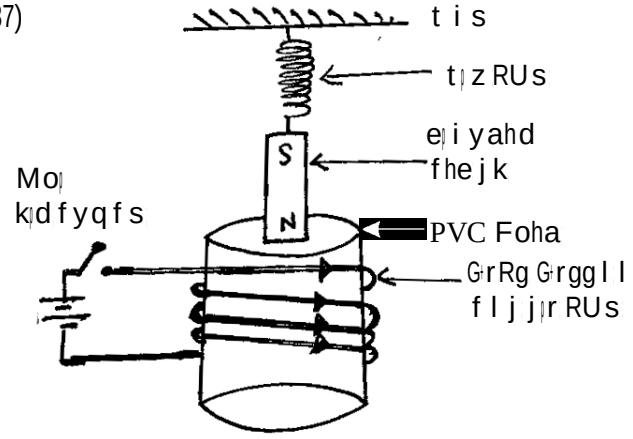
X vdgJ xU t i f MbahFk. mjd Kddhy t i f f f g g l l nghUs|d t|kgk NjhdWk t|jk cUt|y fhllgglLss J. X Mf mikAk Mb t i f ahJ?

1) j s t h b 2) F t|t h b 3) gu t i s t h b 4) Fo|t h b

36) 

g|sk|qf|d tyf i f t|j| njhlhghd gu|Nrhj i d j njhFj|i a cUf fhlLf|dwJ. f l j j|a|d m i r t|d j|i r f F Vwg f l j j|a|y k|d Ndhl l k ghAk j|i r i aAk ru|ahf f fhlLt J.

	f l j j|m i r f Fk j|i r	**f l j j|a|y k|d Ndhl l k ghAk e|i y**
1)	X Nehf f| m i r f Fk NghJ	AB j|i ra|y
2)	Y Nehf f| m i r f Fk NghJ	AB j|i ra|y
3)	X Nehf f| m i r f Fk NghJ	BA j|i ra|y
4)	Y Nehf f| m i r f Fk NghJ	k|d Ndhl l k ghahJ

37) 

cUt|y fhlbathW t|wRUs|y f l l gg l l r l l f fhejkhdJ f l j j|r RUs xdw|d k|J njhqf t|lgglLss J. Mo|i a %LkNghJ

1) fhejk f l j j|r RU i s Nehf f|f f tuggLk.
2) fhejk f l j j|r RUs|y ,UeJ NkyNehf f| j s sggLk.
3) fhejk Nky f|ohf khw|khw| m i r TWk.
4) khwwqf s v j i dAk m t j hd|f f KbahJ.

38) geJ xdW e|yk l l j j|y|UeJ 20ms^{-1} N t f j J l d e|i y f F j j hf vw|agg l l J. geJ m i l af $ba c r r c auk ahJ?

1) 40m 2) 10m 3) 20m 4) 60m

39) ,u z L ngag Gf s nkaahf ,Uf Fk re j hggq f s|y gag Gnkaahf ,Uf Fk j hf f ggl i y vJ?

1) AND 2) OR 3) NOT 4) AND/OR

40) CFL (m i l f f ggl l Gnshnuhs|hT t|s f F) ,y Gnshnuhs|hT g j hhj j j j|y n t snshs|h i t g ngw c j Tk f j|h t i f vJ?

1) fo|A+j hf f j|h 2) nrq f|o f j|h
3) Nyrh f j|h 4) f l Gydh Fk xs|f f j|h

(40x2= 80 Gss|f s)