

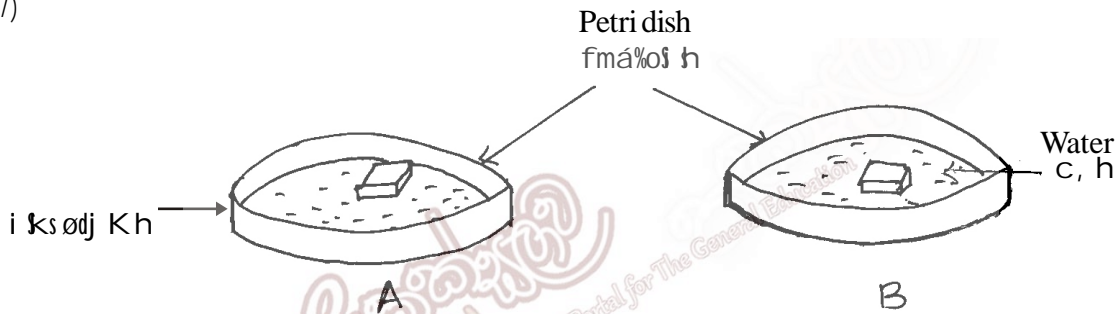
06) A,B,C,D keu; si ; j hkay; rl f. a, l d K my; j . fō oel fōi

i ; j hd	, l d K
A	i s kavrdl dr foayhl kahq a ndyr yd wNHka r j o LKvj , g foayh fnoswe; i
B	ndyr l j pfhkawdj rKh ù we; i wl d si ys . byd d orhs
C	wrh i uñ; d i ys hs
D	Yrsh LKwj , g fnošwe; i i kē i ys Wmdx. we; i

ABCD úh yel si ; kakj eroj wkmsfj <g i |ykaj k mšs # j křka

- 1& m; a Ehd ,uyy u, , f. dēfn, a d, . evú, d
- 2& . evú, d, f. dēfn, a d, uyy u, , m; a Ehd
- 3& m; a Ehd, f. dēfn, a d, uyy u, .. evú, d
- 4& . evú, d, uyy u, ,f. dēfn, a d ,m; a Ehd

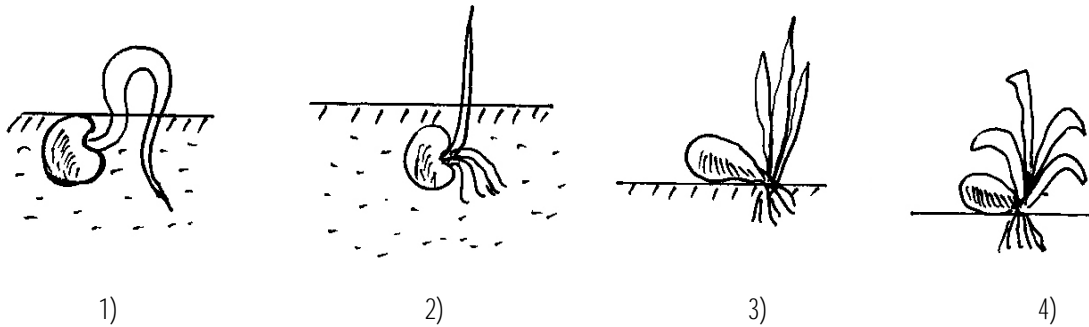
07)



tl i udk w¾; dm, al en, s fol l a rEmfhaol j d we; swkøug i ksødj Khl yd c, fhaoud
khñ; l d, hl g mi q krđ d Kh fl rK; A,B j , krđ d K i i nkDj my; m% dY w; #ka
kj erosm% dYh l el ao@

- 1& A,B fofl yu w¾; dm, al en, sm% drKh ù ; i K
- 2& A,B fofl yu w¾; dm, al en, j i xfl dpkh ù ; i u ol kg , ei Kš
- 3& A ys; nřK w¾; dm, al en, a m% drKh ù o B ys; nřK l en, a i xfl dpkh ù o ; i K
- 4& A ys; nřK w¾; dm, al en, a i xfl dpkh ù o B ys; nřK l en, a m% drK ù o ; i K

08) my; ošwe; rEm i gykj , kaouī c m; %Ydl hg wod, m%rdyKh ol j d we; f; a



09) c, c me<eáhl aj li e, úkhd Ydl h md, kh l ršug Ndú; d l rk oš š j ¾. h j křka

- 1) wd, gřkřhd
- 2& fmká š hi
- 3& řhđ ¾
- 4& wei fmcš i a

15& cj , k n, nhl (Flash Bulb) i 0 % dj i dod we; s f, dayh l eul ao@
 1) Ca - l e, a hi 2) Mg - ue. ks hi 3) Na - fi dahi 4) Pb - Bhi

16) b; d u kük . kskj kh f, i i e, l h yel fl a
 1& yef, dka. kskj kh
 2& úh<sl vq. kskj kh
 3& l dnkavfhd l a hâ . kskj kh
 4& fmK . kskj kh

17) mhrj , (Powder) Talk yKq(CaO), i kd aTl a hâ (ZnO) i j | øj Hh o wvx. =ù ; fí j ZnO wvx. =
 l rñg fya j j kfk a
 1& i u udÿ l rñ i | yd
 2& oyoh Wrd . ekñ i | yd
 3& oyosi ÿre j ei ñ i | yd
 4& i j | we; sl ru i | yd

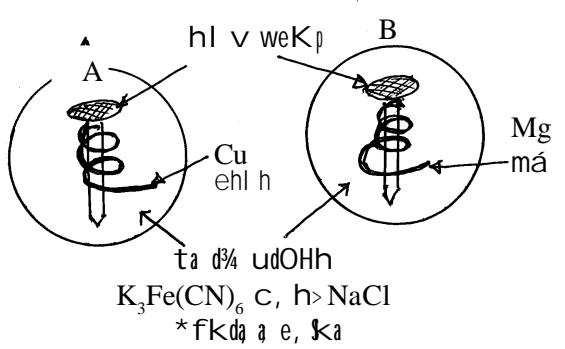
18& my; i | ykam% d ñd w; fka i kd i xi 0; skhuh wkj i sj k m% d ñdj l ahehsl j yel sj kfk a
 1) $H_2(g) + O_2(g) \rightarrow H_2O(l)$
 2) $Mg(s) + O_2(g) \rightarrow MgO(s)$
 3) $CuSO_4(aq) + Mg(s) \rightarrow Mg_2SO_4 + Cu(s)$
 4) $BaCl_2(ag) + Na_2SO_4(ag) \rightarrow 2NaCl(aq) + BaSO_4(ag)$

19) my; oSwe; s úOHq a úÉFP0k i i nkD m% dY w; fka kj erosi i nkD; dj h ol j d we; f; a
 A - ødj K wj i a dfö P - wefk d a v
 B - Tl a d rK m% d ñdj Q - l ef; d a v
 C - hl v u; r0s wdf, mkh l rñ R - úOHq a úÉFP0Hh
 D - Tl a ÿrK m% d ñdj S - úOHq a f, daydf, mkh

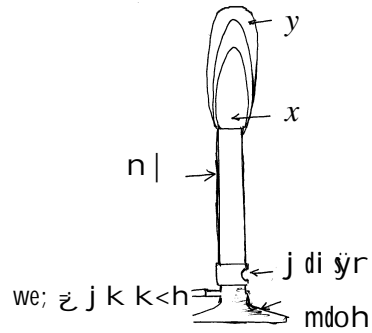
- | | | | |
|-------|-------|-------|-------|
| 1) | 2) | 3) | 4) |
| A - P | A - R | A - Q | A - S |
| B - Q | B - P | B - S | B - R |
| C - R | C - S | C - P | C - Q |
| D - S | D - Q | D - R | D - P |

20& úOHq ari dhkd f, day úLdok m% d ñd i i nkDj mrd d K wegj qul amy; ol j d we; j

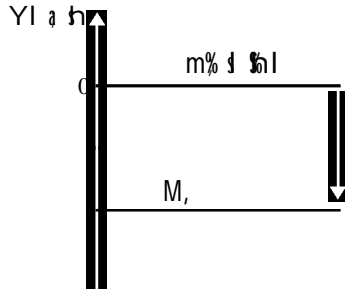
A	B
1i hl v weKh j gd kş a meyh	hl v weKh j gd kş meyh
2i ; U l i i hg wdi kş j <d meyh	hl v weKh j gd <d meyh
3i hl v weKh j gd <d r; =meyh	hl v weKh j gd kş meyh
4i ; U l i i h j gd kş a meyh	ue. ks i j gd kş ameyh



- 21) nkā kaœ, a i i nkD m% dY w; #ka
 m&s ; yel sm% dYhl aj kfha
 1& új rh j ei fukam&K oykh l ai ý fj hš
 2& oykhg wj YH TI á ckai xj dyk Odrd
 f, i , efi j
 3& Y , l á Hfhayd X , l á Hfhawl K ; j h
 wêl h j
 4& kš amdg l , dmhg j vd , d kš amdg
 l , dmfhaw%O oykh i ý fj hš



- 22& ri dhk& m% d šdj l ; dm úm&hdi i |yd j 0m% a drhl amy; oel fōi m% d šdj i i nkDj
 kj erosm% dYh j kfka



- 1& fuu m% d šdfō oSYl a h wj fYdd Kh fōi
 2& fuu m% d šdj ; dmdj fYdd l fōi
 3& WI K ; j h i emhf i oSfuysm% d šdj ; dj h j eä
 fj hs
 4& ; k& HCl i u. NaOH m% d šdj i ýj kfka ki fi
 wdl drfhau m% a drhl a, efnhš

- 23& 4dm³ mruđfj kah& a Ndckhl TI á ckaj dhq; fnk úg tau. kawe; d rj k m&kh 2 x 10³ Pa
 fj hš tysm&kh 1.6 x 10³ Pa f, i fj ki al rúg l ek mruđ l kah& a Ndckhl a; <g
 wvx. =l < hq =o@^ WI K ; j h , i á kDh fj ki afkdfj h&

- 1& 4 dm³ Ndckh
 2& 5dm³ Ndckh
 3& 3dm³ Ndckh
 4& 6 dm³ Ndckh

- 24& kšYñ ; i dk&K we; šdj K m&fh< l rú i i nkD l šdl drl ul ošfkd l < hq f; a
 1& mruđñ ; d ma di á j , m&s , Trf, dá q; eáh hkdoh WKql r fmrđ . ; ac, fhkafi oú
 2& m&fh< l < hq =ođj Kfhai dk&K h , mruđj wei rka&đj H; d i á kDh . Kkh l rú
 3& mruđñ ; d ma di á j m&fh< l rk ođj Kfhkafyd|g fi oú
 4& mruđñ ; d ma di á fō mhkafi dgi we, a šu fyd| l šdj l afkdfōi

- 25& m&šai Mál rKh i i nkDj ošwe; sm% dY w; #kams&s ; fkdysel sm% dYh f; drkk&j
 1& ođ Hhl mj ; k wmoj Hh i i m&K fhk&j ; al rug i ýi qfōi
 2& f; drd . k&d ođj l h ođj Hfhaw%h , k&O%h . Kkh . e, m&š
 3& WI K ; j h j eäúu i u. ođj H; dj h j eäúu
 4& ođj Kh j yd i šš al r i Mál , nd . ekú

- 26& j l = vqwdndO, r; =reêrdKqffi , úkdY úu hkdohg fya =j k ner f, d&yh j kfka
 1& Bhi Pb 2& l eāñhi Cd 3& ri oh Hg 4& ; ÷ a kd. i Zn

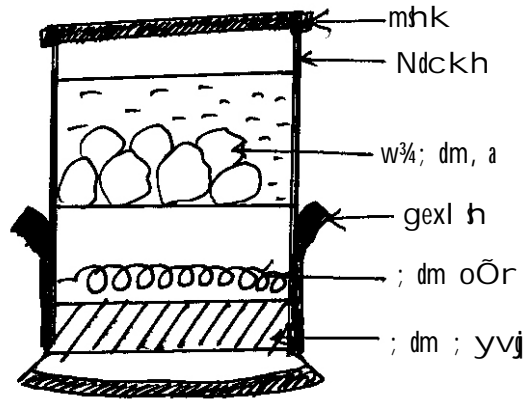
- 27& my; i |ykam% dYk kr& d Kh l rkk&j
 m% dYh A : j i a j l au; l šdl rk wi x; =s ndyr n, h . uH; dj fj ki ūfi i š% dj hg
 wkf, dau j i udk&nd; d fōi
 B : ; j rKh . uH; dj fj ki ūfi i š% dj hg wkf, dau j i udk&nd; d fōi
 C : ; j rKh i á kDhg wkf, dau j i udk&nd; d fōi
 by; m% dY w; #kai ; H j kfka

- 1) A, B, C ; ku i ; H h j
 2) B, C fol i ; H h j
 3) A, B fol i ; H h j
 4) A, C fol i ; H h j

- 28& j i a j l au; n, hl al šdl rfi oštu j i a fō , l á K j , kafj ki afkdj kfkañkal ul ao
 1& os 2& i á kDh 3& m&ō. h 4& yevh

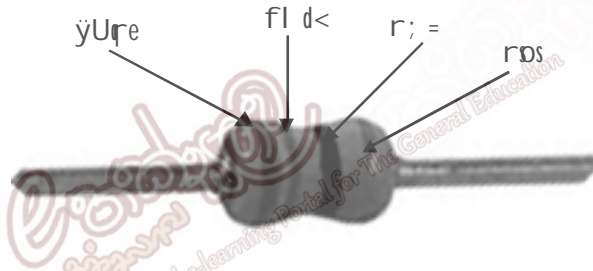
- 29) >K; j h 800 kgm⁻³ j 0j i a j l akYñ; øj hl a; < . s j k úg tu j i a fõ mruðfj kawv (½) fl dgi l a. s h yel s; rug . s smðfõ ki øj fha>k; j h fl dmuK o@
 1) 400 kgm⁻³ 2) 800 kgm⁻³ 3) 1200 kgm⁻³ 4) 1600 kgm⁻³

30& fuysol j d we; sNdckfhac, h oud th ; < w¾; dm, aoud ; dml hl awdOdrfhkaNdckh r; al rk , oq Ndckfhac; < ,w¾; dm, a ,Ndckfhacmhkawdoh ; dmh , nd . kkd l w h wkmsfj <kaol j d we; f; a



- 1& úl rKh ,i kkhkh ,i xj ykh
 2& i kkhkh ,úl rKh ,i xj ykh
 3& úl rKh ,i kkhkh ,úl rKh
 4& úl rKh ,i xj ykh ,i kkhkh

- 31& üyre Ndckhl a; < c, fhaWl K; j h 32°C f, i uek . kkd , oq fuu Wl K; j h fl , ðka (k) mruðKfhkam% dY l rk úg m&s f j kfkka
 1& 0 2& 273 3& 305 4& 241



- 32& rEmfhaol j d we; sm% frdOl fham% frdOh j kfkka
 1) 1650Ω 2) 1500Ω 3) 1350Ω 4) 3000Ω

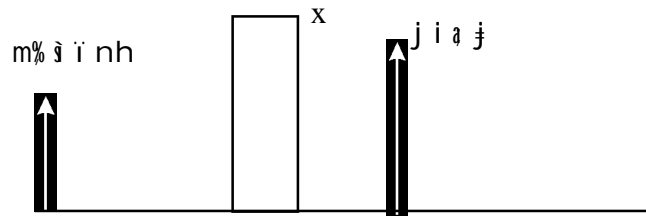
33& tl i udk øj Hhl kak¾udKh l rk , o l i i fol l os yd yri al v mDl Á j ¾. M, h wdoh my; j . fõ oel fõj

	A	B
os	2m	1m
yri al v mDl Á j ¾. M, h	1mm ²	0.5mm ²

- A,B i kkdhl j , m% frdO i i nkDj kj erosm% dY j kfkka
 1& A ysm% frdOh B m% frdOhg j vd j eä h;
 2& A ysm% frdOh B m% frdOh fukafo. Khl afõ;
 3& A ysm% frdOh B m% frdOhg j vd wvqh;
 4) A ysm% frdOhhsB m% frdOhhsi udk h;

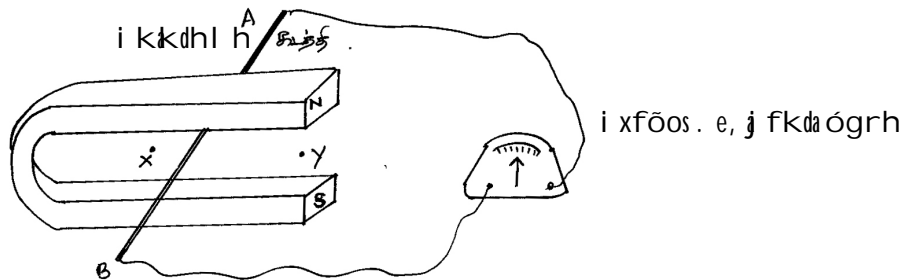
- 34& l i mkh j k j i a j l au. kak¾udKh l < èj ks; rx. fhai xLHd; h u; r|d mj ; k èj kfh a , l d Khl aj kfkka
 1& mrdi h 2& ; dr; dj 3& èj ks. K 4& i m¾l h

35&



X hkqtl a rd j ¾. hl o¼mkhl afõ; tysborfhka; nk , o j i a ð l m% ð i ñ h i Efok wdl drh by; rEmfhafmkj d we; ; X o¼mkh l ki j ¾. hg wh; aj kfka@
 1& ; , o¼mkh 2& W; a , o¼mkh 3& mrduj , hl o¼mkh 4& wj ; , o¼mkh

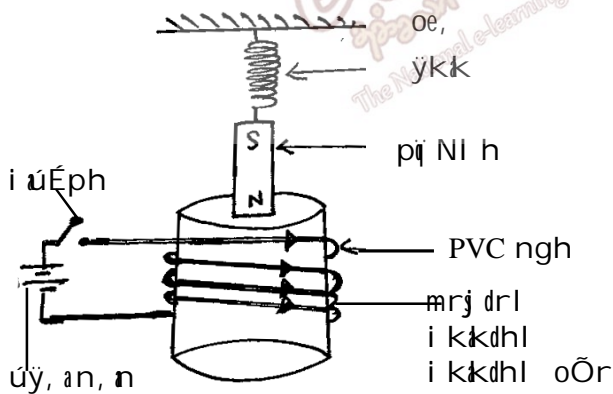
36&



*a ñkf. ai r; akS h i i ñkDj mrd ð K wegj ul arEmfhkael fõ; i kkdhl fhap, kh oYdj g wkj i kkdhl fhaúoHq h . , k oYdj o kj eroj fmkj kfka

- | | |
|-------------------------------|-------------------------------------|
| i kkdhl h\fhap, k oYdj | i kkdhl fhaúoHq h . , k oYdj |
| 1& X fj ; g p, k ùfi oS | AB oYdj g |
| 2& Y fj ; g p, k ùfi oS | AB oYdj g |
| 3& X fj ; g p, k ùfi oS | BA oYdj g |
| 4& Y fj ; g p, k ùfi oS | úoHq h fkd. , hs |

37&



rEmfhaol j d we; swkðug ýkk l n|k , o oKav piq nl hl ai kkdhl oÕrhl au; g t, a d we; ; i úÉph jei fi oS

- 1& piq nl h i kkdhl oÕrh fj ; wdl ¾Ykh fj hS
- 2& piq nl h i kkdhl oÕrfhkaby<g ; , ð fj hS
- 3& piq nl h by<g yd my<g p, kh fj hs
- 4& l i ý fj ki l akrð ð Kh l < fkdyl

38& fndá hl afmdf<dj uÜgfi i g 20ms^{-1} m%õ. hl kai ri aj úi sl rk , oS fndá h <Õd úh yel s Wmru Wi fl dmuK o@

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

39& m%ðk l d¼hh fol l ai enE j k wj i a dj l oSm% ðk l d¼hh i enE ù mj ; k ; d¼l ð oj drh l ùl ao@

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

40& m% ðña mykj , (CFL & wvx. =*f, dfrda ¾ øj Hfhkam% ðña wdf, dá h , nd . ekSug odhl j k l rK j ¾. hl ùl ao@

- 1& mdrci nq l rK
- 2& wfOdr l a l rK
- 3& f, ð ¾ l rK
- 4& oDYH wdf, dá l rK