



Ntj pary; tpdh tqf; ghl k; 1: c Nyhf tary;

Neuk; 3 hrs

12-Mk; t FgG

kj pgnz fs; 70

I. mi dj; J tpdhffS fFk; tpi laspfFTk;

15 x 1 = 15

1. i rdhffspad; , i aG  
(m)  $Al_2O_3$  (M)  $Al_2O_3.nH_2O$  (, )  $Al_2O_3.2H_2O$  (<)  $Al_2O_3.3H_2O$
2. j dtk epi yfF xLf;fp tbgbthff; tpi dard; j qfj j pd; Mfrp[ Ndw w epi y  
(m) +1 (M) +2 (, ) 0 (<) +3
3. i ` lu[ i d fhl bYk; Fi wthd vyf; Nuh Nehkpd; j di k ci la c Nyhf Mfi rL vJ  
(m)  $Fe_3O_4$  (M)  $Al_2O_3$  (, ) MgO (<) CaO
4. mYkpdja J)shy;  $Cr_2O_3$  xLf;fki l j y; tpi dard; vclj hygp kj pGg.  
(m)  $853 \text{ KJ mol}^{-1}$  (M)  $854 \text{ KJ mol}^{-1}$  (, )  $852 \text{ KJ mol}^{-1}$  (<)  $855 \text{ KJ mol}^{-1}$
5. Gyj J}ai kahf;fy; Ki wfF vLj J f;fhl L  
(m) Si (M) Ge (, ) As (<) Sb
6. Nrhyhh; nryfspd; j pwi d mj pfhpf;fg; gadgLk; J fs; vJ?  
(m) ntssp ehNdh J fs; (M) nrkG ehNdh J fs;  
(, ) j qf ehNdh J fs; (<) rnyf;fd; ehNdh J fs;
7. fhgi df; nfhz L c Nyhfkhf xLff , ayhj c Nyhf Mfi rL  
(m) PbO (M)  $Al_2O_3$  (, ) ZnO (<) FeO
8. mYkpdhtypUe;J > kpdhw; gFj j y; Ki wary; mYkpdaj j j ghj nj Lj j y; FhNahi yl;  
Nrhff;fggLtj d; fhuz k>  
(m) mYkpdhtpd; c UF epi yapi d Fi wff  
(M) mYkpdhtypUe;J khRf;fi s elf  
(, ) kpd; flj j k; j pwi d Fi wff (<) xLFFk; Ntfj j pi d mj pfhpf
9. gpd;Ut dtwWs; rhparyhj \$wW vJ?  
(m) epf;fy; khdl; Ki wary; J}ai kahf;fggLfwJ  
(M) i l l NI d;ak; thd; Mhfy; Ki wggb J}ai Kahf;fggLfwJ  
(, ) [ qf;gsz l; (Zns) Ei u kj gG Ki wary; ml hgf;fggLfwJ  
(<) j qfj j j ghj nj LfFk; Ki wary> c NyhfkhDj ehj j Nrhbak; FNshi uL  
fi uri yf; nfhz L Ntj pf; fOTggLfwJ
10. gpd;Ut dtwWs; vej c Nyhfj j j J}ai kahf;fy; Gi klj y; gadgLfwJ  
(m) ntssp (M) Fhhak; (, ) j hkuk; (<) , UKG
11. mYkpdaj j pd; kpd; Ntj g; ghgG Ki wary; 10% thyrak; FNshi uL Nrhff;fggLtj J?  
(m) fyi tapd; c UFei yapi d Fi wff gadgLfwJ  
(M) fyi tapd; c UFei yapi d rhpahf gunkhpf;fg; gadgLfwJ  
(, ) fyi tapd; c UFei yapi d mj pfhpf;fg; gadgLfwJ  
(<) fyi tapd; Fshtpf;fg; gadgLfwJ
12. xU ryi gL jhJi t tWfFk; NghJ (A) vd w epkww thA nts;NaWfwJ. (A) d; eh;  
fi ury; mkyj; j di k ci la J. thA (A) MdJ  
(m)  $Co_2$  (M)  $So_3$  (, )  $So_2$  (<)  $H_2S$
13. c ygui kl; jhJi t ntssaf; fyyp; , Ue;J ghj nj LfFk; Ki w  
(m) c UfFj y; (M) fhwwpy;yh #oyy; tWj j y;  
(, ) tWj j y; (<) kpd; fhej ghgG Ki w
14. gpd;Ut dtwWs; vj j dtk ghj nj Lj j ypd; kpd; Ntj p Ki w gadgLfwJ.  
(m) , UKG (M) nyl; (, ) Nrhbak; (<) rpy;th;
15. j hJ ffi s ml hgf;fg; gadgLk; Ki wfS s; xdW  
(m) Ntj pf; fOTj y; (M) tWj j y; (, ) Ei u kj gG Ki w (<) (m) kwWk; (, )

II. vnaadk bly d pdhffS fF tpi laspfFTk; tpdh vz; 24 fF fz bgghf  
tpi laspfFTk;

6 x 2 = 12

16. fdkk; kwWk; jhJ , i l NaAss NtWghLfs?
17. j Fej c j huz qfSl d; tpsf;Ff. (m) khR (M) frL
18. fhp kwWk; CO Mfpa , uz bDs; Zno i t xLff; rwej xLFFk; fhuz p vJ? Vd?
19. Mtp epi yi k Ki wad; j j Jtj j j gwwp FwpgG ti uf.
20. thi y tbj j y; Ki wapi d vLj J f;fhl L d; tpsf;Ff.

- 21. vypqf;k; ti ugl k; gwwp rW FwpgG ti uf.
- 22. cNyhf Mfi rLfi s cNyhfkhf xLf;Fk; tpi dff , U vLj JffhL Lfs; j Uf.
- 23. Jj j ehfj j pd; gadfi s \$Wf.
- 24. (i) Ei u kpi gG Ki wapy; Nrhbak; rai dbd; gadghL
- (ii) mYkpdak; ghij nj Lj j ypy; 10% fhypak; FNshi uL

**III. vi tNaDk; MW tpdhffS fF tpi laspf;fTk; tpdh vz ; 33 fF fz bgghf tpi laspf;fTk;**

6 x 3= 18

- 25. vypqf;k; ti ugl j j pd; tukGfs; ahi t?
- 26. kpdhdw; J}ai kahf;fy; j j J tk; ahJ?
- 27. , sff;f; vdwhy; vdd? mj d; gadghl bi d \$Wf.
- 28. fhwwpyyh #oyy; tWj j i y vLj JffhL LId; tpsf;Ff.
- 29. XLk; ehpy; fOTj y; Ki wapi d vLj JffhL LId; tpsf;Ff.
- 30. rai dL Ntj p fOTj y; Ki wf;fhd rkdghl bi d vOJf.
- 31. cUffp ghij j y; Ki wapi d xU cj huz j JId; tpsf;Ff.
- 32. epff;f; yj; J}ai kahf;Fk; xU Ki wapi d tpthp
- 33. rai dL Ntj pf; fOTj y; Ki wapy; j qfj; j hJ vt;thW ml hgpf;fggLfpwJ?

**IV mi dj J tpdhffS fFk; tpi laspf;fTk;**

5 x 5 = 25

- 34. Gyj J}ai kahf;fy; Ki wapi d vLj JffhL LId; tpthp
- 35. Ei u kpi gG Ki wapy; vt;thW j hJ ml hgpf;fggLfpwJ
- 36. xLf;Fk; fhuz papi d Nj hT nraj y; vdgJ ntgg , afftray; fhuz pi ag; nghU j J. j Fej cj huz j JId; tpsf;Ff.
- 37. fhej ghpgG Ki wapi d tpsf;Ff.
- 38. kpdhdw; J}ai kahf;fy; Ki wapi d xU vLj JffhL LId; tpsf;Ff.

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# +2 வேதியியல்



ஐ ] ண ய ஜ ஃ



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1. AXhYãÁVãL &RÁÍ È ] ã | RãÔ – 15
2. AWr &RÁÍ UãŞÁ È ] ã | RãÔ – 5
3. AWr &RÁÍ ; RãÔ – 5  
(H±WÅ, ^ \$ ß – 2023, 2024, H±WÅ 2025)

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