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so many fake sites. this is the first one which worked! Many thanks

DAY — 06

2012	11	29	1100	J - 458	(E)
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CHEMISTRY PAPER - I (55)
(PHYSICAL AND INORGANIC CHEMISTRY)

Time : 2 Hrs. (4 Pages) Max. Marks : 40

Note : (i) All questions carry equal marks.
(ii) Write balanced chemical equations and draw pictorial diagrams wherever necessary.
(iii) Use of logarithmic table is allowed.
(iv) Figures to the right hand side indicate full marks.
(v) Answer to every question must be written on a new page.

Q. 1. Select and write the most appropriate answer from the given alternatives for each sub-question : [8]

(i) The chemical formula of Ziegler-Natta catalyst is (1)
(a) CuCl_2 (b) NiCl_2
(c) CrCl_3 (d) TiCl_4

(ii) Isotonic solutions have the same (1)
(a) Density (b) Osmotic pressure
(c) Molality (d) Normality

(iii) The molecularity and order of the reaction, $2\text{NO}_{(g)} + \text{O}_{2(g)} \rightarrow 2\text{NO}_{2(g)}$ are respectively (1)
(a) one and one (b) two and two
(c) three and three (d) two and three

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