

# BOARD OF INTERMEDIATE EDUCATION, KARACHI

INTERMEDIATE EXAMINATION, 2016 (ANNUAL)

Date: 04.05.2016  
9:30 a.m. to 9:50 a.m.

## CHEMISTRY PAPER – II (Science Pre-Engineering & Pre-Medical Groups)

Max. Marks: 17  
Time: 20 minutes

The correct answers are highlighted in red colour.

### SECTION 'A' (MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)

Code No: CH-01

Write this Code No. in the Answerscript.

#### NOTE:

- This section consists of 17 part questions and all are to be answered. Each question carries one mark.
- Do not copy the part questions in your answerbook. Write only the answer in full against the proper number of the question and its part.
- The code of your question paper is to be written in bold letters in the beginning of the answerscript.

1. Select the most appropriate answer for each from the given options:

- Hydrides of group IV A are:  
\* Acidic \* Basic \* **Neutral** \* Amphoteric
- Ruby is an oxide of:  
\* Zinc \* **Aluminium** \* Copper \* Iron
- The electronic configuration of the outer shell of an element is  $4s^2, 3d^{10}, 4p^1$ . It belongs to:  
\* IA group and 3<sup>rd</sup> period \* IIA group and 4<sup>th</sup> period  
\* IIIA group and 3<sup>rd</sup> period \* **IIIA group and 4<sup>th</sup> period**
- $H_2S$  is:  
\* an oxidizing agent \* **a reducing agent**  
\* a sulphonating agent \* a bleaching agent
- Sodium amalgam is an alloy of:  
\* Sodium and Lead \* **Sodium and Mercury** \* Sodium and Iron \* Sodium and Silver
- Elements of group IB are called:  
\* Alkali metals \* Rare earth metals  
\* Alkaline earth metals \* **Coinage metals**
- Rhombic sulphur and Monoclinic sulphur are in equilibrium at this temperature:  
\*  **$95.5^\circ C$**  \*  $96.6^\circ C$  \*  $105^\circ C$  \*  $113^\circ C$
- Stainless steel is an alloy of:  
\* **Fe, Cr and Ni** \* Al, Cu and Ni \* Al, Cr and Zn \* Fe, Cu and Al
- Propanal and Propanone are:  
\* Chain isomers \* Position isomers  
\* Metamers \* **Functional group isomers**
- This is a natural polymer:  
\* **Cellulose** \* PVC \* Nylon \* Terylene
- The number of monosaccharide units in oligosaccharides is:  
\* 2 – 8 \* **2 – 10** \* 2 – 12 \* 2 – 20
- This is the general formula of ketones:  
\*  $R-\overset{O}{\parallel}C-H$  \*  **$R-\overset{O}{\parallel}C-R$**  \*  $R-\overset{O}{\parallel}C-OH$  \*  $R-O-R$
- Another name for Wood spirit is:  
\* Ethyl alcohol \* **Methyl alcohol** \* Propyl alcohol \* Butyl alcohol
- Cod liver oil is a source of:  
\* **Vitamin A** \* Vitamin B \* Vitamin C \* Vitamin K
- This acid is used for etching of glass:  
\* **HF** \* HCl \* HBr \* HI
- Ethyl acetate is present in:  
\* **Pineapple** \* Orange \* Guava \* Lemon
- This is used to increase the Octane number and efficiency of petrol:  
\* Ni \* Pt \*  $V_2O_5$  \* **(C<sub>2</sub>H<sub>5</sub>)<sub>4</sub>Pb**

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