



## CHEMISTRY

## **BOOKS - MAXIMUM PUBLICATION**

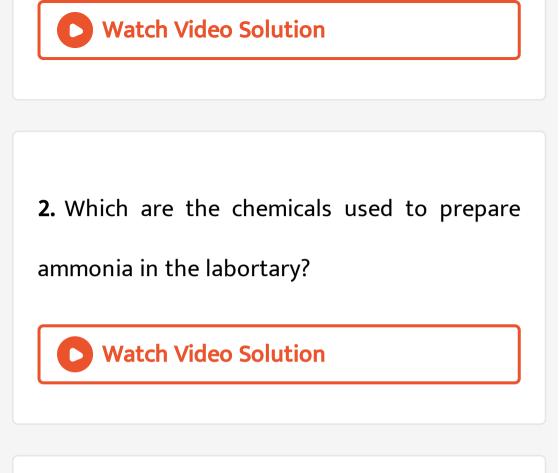
## **QUESTION PAPER MARCH 2020**



1. Which one of the following metals is refined

by liquation?

(Zinc, Iron, Copper, Tin)



3. If we show a red litmus paper over ammonia

gas, what change can be observed?

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**4.** The outer most subshell electronic configuration of an element is  $3d^54s^2$ .

Write the complete subshell electronic

configuration of this element.

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5. The outer most subshell electronic configuration of an element is  $3d^54s^2$ .

Write the atomic number of the element.

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6. The outer most subshell electronic configuration of an element is  $3d^54s^2$ . Identify its block and period.



7. The outer most subshell electronic configuration of an element is  $3d^54s^2$ .

(d) This element shows variable oxidation state. Why?

**8.** Some information about an organic compound is given:

(i) It has three carbon atoms in its main chain.

(ii) It has a hydroxyl group (- OH) attached to

its second carbon atom.

Write the structural formula of this organic compound.



**9.** Some information about an organic compound is given:

(i) It has three carbon atoms in its main chain.

(ii) It has a hydroxyl group (- OH) attached to

its second carbon atom.

Write its molecular formula.



**10.** Some information about an organic compound is given:

(i) It has three carbon atoms in its main chain.

(ii) It has a hydroxyl group (- OH) attached to

its second carbon atom.

Write the structural formula of a functional

isomer of this'compound and write the IUPAC

name of this isomer.

