

## Master Math for JEE Main & JEE Advanced

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For JEE Main 2020 April



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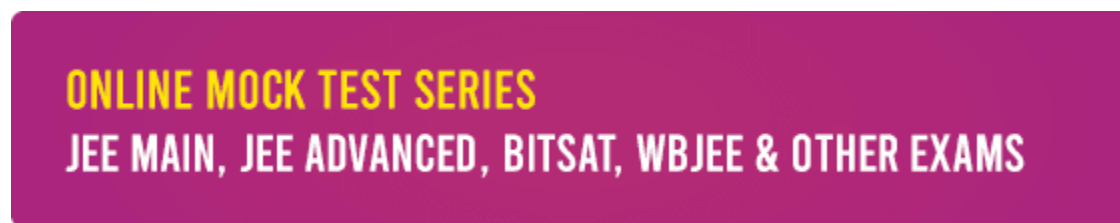
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## JEE Mains 2020 Jan Chapter wise Question Bank

## Hydrogen

Q1

Which of the following statements are correct ?

- (I) On decomposition of  $\text{H}_2\text{O}_2$ ,  $\text{O}_2$  gas is released .  
(II) 2-ethylanthraquinol is used in preparation of  $\text{H}_2\text{O}_2$   
(III) On heating  $\text{KClO}_3$ ,  $\text{Pb}(\text{NO}_3)_2$ ,  $\text{NaNO}_3$ ,  $\text{O}_2$  gas is released.  
(IV) In the preparation of sodium peroxoborate,  $\text{H}_2\text{O}_2$  is treated with sodium metaborate.
- (1) I, II, IV                      (2) II, III, IV                      (3) I, II, III, IV                      (4) I, II, III

7<sup>th</sup> Jan Evening

Sol

(3)

Theory based

Q2

Determine total number of neutrons in three isotopes of hydrogen.

हाइड्रोजन के तीन समस्थानिकों में न्यूट्रॉनों की कुल संख्या का निर्धारण कीजिए।

- (1) 1                      (2) 2                      (3) 3                      (4) 4

8<sup>th</sup> Jan Evening

Sol

(3)

Number of neutrons                       ${}^1_1\text{H}$                        ${}^2_1\text{H}(\text{D})$                        ${}^3_1\text{H}(\text{T})$   
 $0 + 1 + 2 = 3$

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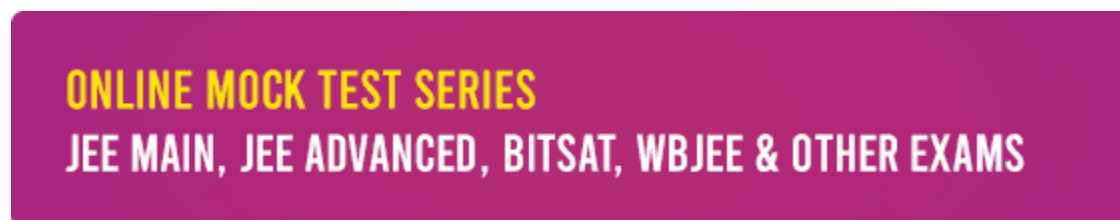
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