

**CCE RF
UNREVISED
FULL SYLLABUS**

Code No. : 83-E

**Subject: Science
(Physics, Chemistry, Biology)**

Time: 3 hr. 15 min.

General Instructions to the Candidate.

1. There are three parts to the question paper.
Part A: Physics, Part B: Chemistry, Part C: Biology.
2. This question paper consists of objective and subjective types of 38 questions.
3. This question paper has been sealed by reverse jacket. You have to cut on the right side to open the paper at the time of commencement of the examination. Check whether all the pages of the question paper are intact.
4. Follow the instructions given against both the objective and subjective types of questions.
5. Figures in the right hand margin indicate maximum marks for the questions.
6. The maximum time to answer the paper is given at the top of the question paper. It includes 15 minutes for reading the question paper.

**PART A
(PHYSICS)**

I. Four alternatives are given for each of the following questions / incomplete statements. Choose the correct alternative and write the complete answer along with its letter of the alphabet. [4 x 1 = 4]

1. The device used to measure the rate of current in a circuit is
 - a. Ammeter
 - b. Voltmeter
 - c. Galvanometer
 - d. Battery

Answer: The correct option is a. Ammeter

An ammeter is an instrument that is used to measure the current in a circuit.

2. Observe the given figure. Identify the eye defect indicated in this figure.

199physical Science Question Paper

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 $\text{N}_2 + 3\text{H}_2 \rightarrow 2\text{NH}_3$
 $\text{Mg}(\text{OH})_2 + 2\text{HNO}_3 \rightarrow \text{Mg}(\text{NO}_3)_2 + 2\text{H}_2\text{O}$
 $2\text{NaClO}_3 \rightarrow 2\text{NaCl} + 3\text{O}_2$
 $4\text{Al} + 3\text{O}_2 \rightarrow 2\text{Al}_2\text{O}_3$
 $2\text{NH}_3 + 3\text{O}_2 \rightarrow 2\text{N}_2 + 6\text{H}_2\text{O}$

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 $\text{Mg}(\text{OH})_2 + \text{HCl} \rightarrow \text{MgCl}_2 + \text{H}_2\text{O}$
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 metal acid salt hydrogen

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 $2\text{C}_2\text{H}_2 + 5\text{O}_2 \rightarrow 4\text{CO}_2 + 2\text{H}_2\text{O}$
 if 1.0 mol of C_2H_2 is burned how many moles of CO_2 are formed
 2.5 mol C_2H_2 is burned how many moles of oxygen gas are consumed
 9 a

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