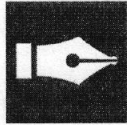


Name

Class.....

Roll No.....

Time
25 Min.Max.
Marks
17Marks
Obtained**TOPIC-1**
Electric Current**R Q. 1.** Define the SI unit of potential difference. [Board Term I, Set-1ZHNPNO, 2016] (1)

Ans.

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R Q. 2. Name the device that helps to maintain a potential difference across a conductor. [Board Term I, Set-NS9SX1D, 2016] (1)

Ans.

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R Q. 3. Define electric current. Name the particles that constitute electric current flowing through the metallic wires. [Board Term I, Set-3R6WRQL 2013] (2)

Ans.

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R Q. 4. Define '1 Volt'. State the relation between work, charge and potential difference for an electric circuit. Calculate the potential difference between the two terminals of the battery if 100 joules of work is required to transfer 20 coulombs of charge from one terminal of the battery to the other. [Board Term I, Set (48), 2012] (2)

Ans.

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R Q. 5. (i) What is meant by the statement : The potential difference between two points is 1 volt ?
(ii) What do the symbols given above represent in a circuit ? Write one function of each.[DDE - 2014] (3)

Ans.
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Q. 6. Draw symbol of :
(i) Rheostat, (ii) Voltmeter, (iii) Electric bulb [NCT-2014] (3)

Ans.
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Q. 7. What does an electric circuit mean ? Name a device that helps to maintain a potential difference across a conductor in a circuit. When do we say that the potential difference across a conductor is 1 volt ? Calculate the amount of work done in shifting a charge of 2 coulombs from a point A to B having potentials 110 V and 25 V respectively. [Board Term I, Set-L7ZSVLH, 2016] (5)

Ans.
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