

# DC CIRCUITS

- ① Current - Flow of electron in a closed circuit is called current or amount of charge passing through the conductor in unit time also called current.

$$I = \frac{Q}{t}$$

- ② Potential or voltage - The capacity of charge body to do work is called potential or voltage.

$$V = \frac{W}{Q} = \frac{\text{Joule}}{\text{Coulomb}} = \text{volt}$$

- ③ Potential difference - The difference of electrical potential between two charged bodies is called potential difference.

- ④ Electromotive force - The force required to move the electron from negative terminal to positive terminal of electrical source in electrical circuit is called EMF. Its unit is volt and denoted by E.

# Basic Electrical Engineering Vtu Notes

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Kulkarni, K. S. Shivaprakasha**

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The National Union Catalogs, 1963- , 1964

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**Electrical Engineering Handbook** KELVIN UKOIMA,2016-11-04  
Rajput,2012

*Basic Electrical and Electronics Engineering* R. K.

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