Home Assignment
Moving Charges and Magnetism

1. (b) Any kind of charged particle.

(d) None of these

(a) Conductor shields any change within it from electric fields created outside the conductor.

(d) The particle's kinetic energy changes.

(a) $V_{max} = \dfrac{qBR}{m}$

(a) any speed can be obtained by a charged particle by choosing suitable the radius.

2 (a) Italian electricity researcher Luigi Galvani

(e) To measure any amount of electric current.

(a) $S_i = \dfrac{\theta}{i} = \dfrac{NBA}{C}$

(a) Surely increases the voltage sensitivity.

(a) $i = \left(\dfrac{C}{BNA} \right) \theta$

(d) none of these

3 (b) Both Assertion and reason are true but Reason is $\overset{\text{not a}}{\cancel{too}}$ Correct explanition of the Assention.

(a) Both Assertion and Reason are true and the Reason is the correct explanition of the Assertion.

(c) Assention Is true but the Reason is false

(d) Both Assention and Reason are false

(b) Both Assention and Reason are true but Reason is not a correct explanation of the Assention

(a) Both Assention and Reason are true and the Reason is the correct explanation of the Assention.

A. 1(a) a Voltmeter is connected in parallel and current through it is negligible.

(d) an ammeter is connected in series in a circuit and the current through it is negligible.

2 (c) Infinity.

3 (a) more

4 (d) none of these

5 (a) $S_i = \dfrac{\theta}{i} = \dfrac{NBA}{C}$