

Home Assignment

Moving charges and magnetism

1(b) Any kind of charged particle

(d) None of these

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

(d) The particle's kinetic energy changes

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

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

2(a) Italian electricity researcher Luigi Galvani

(c) To measure any amount of electric current.

(d)
$$S_i = \frac{\theta}{i} = \frac{NBA}{C}$$

(a) Surely increases the voltage sensitivity

(a)
$$i = \left(\frac{C}{NBA} \right) \theta$$

(d) None of these

3(b) Both Assertion and reason are true but Reason is not a correct explanation of the Assertion.

(a) Both Assertion and reason are true and the Reason is the ~~correct~~ explanation of the Assertion

(c) Assertion is true but the Reason is False

(d) Both Assertion and Reason are False

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

(a) Both Assertion and Reason are true and the reason is the ~~central~~ correct explanation of the Assertion.

4(d) None of these

$$5(a) \quad S_i = \frac{Q}{i} = \frac{MBA}{C}$$