

HOME ASSIGNMENT

MOVING CHARGES AND MAGNETISM

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(1) (b) Any kind of charged particle.

(d) None of these

(a) Conductor shields any charges within it forms electric field created outside the conductor.

(d) The particle's kinetic energy.

(a) $v_{max} = qBR/m$

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

(2)

(a) Italian electricity researcher Luigi Galvani

(c) to measure any amount of electric current.

(a) $S_i = \frac{\theta}{i} = \frac{NBA}{c}$

(a) surely increases the voltage sensitivity

(a) $i = \left[\frac{c}{BNA} \right] \theta$

(d) none of these.

(3) 1) (B) Both Assertion and reason are true but reason is not correct explanation of Assertion.

2) (A) Both Assertion and reason are true and reason is the correct explanation of Assertion.

3) (C) Assertion is correct but the reason is false

4) (D) Both Assertion and reason are false

5) (B) Both Assertion and reason are true but reason is not the correct explanation of assertion.

(6) (A) Both Assertion and reason are true and reason is the correct explanation of assertion.

(4) 1) (A) A voltmeter is connected in parallel and current through it is negligible

2) (C) Infinity

3) (A) more

4) (D) none of these

5) (B) $S_2 = \frac{Q}{I} = \frac{NB}{CA}$