

**Question No: 1 ( Marks: 1 ) – Please choose one**

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Which of the following statements is correct.

- ▶ **Neutrons and protons lie inside the nucleus.** Lecture 1 Page 4, 5, 6..
- ▶ Protons revolve around the nucleus.
- ▶ Neutron is +ve particle.
- ▶ Electron lies inside nucleus

**Question No: 2 ( Marks: 1 ) – Please choose one**

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Current through a short circuit is

- ▶ zero
- ▶ minimum
- ▶ **Maximum** Page 14 'Topic Short Circuit'.
- ▶ leakage current

**Question No: 3 ( Marks: 1 ) – Please choose one**

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When two resistances are connected in series

- ▶ They must both have same resistance value
- ▶ The voltage across each must be the same.
- ▶ They must have different resistance value.

▶ **There is only one path for current for both resistances** Sure

**Question No: 4 ( Marks: 1 ) – Please choose one**

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Using voltage divider in the figure below Voltage drop across  $3\Omega$  will be

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