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## GCSE Physics P15

Magnetic Fields

Assignment Questions

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Year 2023

## P15: Magnetic Fields

Q1 : What are magnetic field lines ?

Q2: Explain the meaning of induced magnetism. Give examples.

Q3: Why Steel is more suitable than Iron for making permanent magnets ?

Q4: What is a solenoid? With diagram illustrate the magnetic field lines in solenoids.

Q5 : What is motor effect ? Explain the working of electric motor with diagram.

Q6 : What is Fleming's left hand rule ? How reversing the direction of current affects the magnetic field.

Q7 : Why spring – ring commutators are used in electric motors?

Q8 : Calculate the magnetic flux density of the field when the wire of length 50 mm is placed in the magnetic field. The current in the wire is 2.5 A.

Q9: Describe the ways by which force of motor effect can be increased.