

**Batika Vidyapith, Lakhisarai**

**Class 12Sc**

**Sub Physics**

**Date 17 11 XX**

**Answer the following questions :-**

**1 What is SI unit of induced emf?**

**2 Lenz'law is a consequence of which law of conservation?**

**3 The direction of induced emf is given by which rule? State the rule.**

**4 What is the SI unit of self inductance? Define it.**

**5 Which physical quantity remains unchanged in a transformer?**

**6 A transformer works on the principle of which phenomenon?**

**7 Name the best material for the core of a transformer.**

**8 The working of a dynamo is based on which principle?**

**9 What is the power factor of an ac circuit containing inductor only?**

**10 What is the range of power factor of an ac circuit?**

**11 What is frequency of ac in India?**

**12 In which form energy is stored in an inductor?**

**13 Define impedance. What is its SI unit?**

**14 What is power factor of LCR-series circuit?**

**15 Wb is the SI unit of which physical quantity?**

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