

## XII PHYSICS IMPORTANT SHORT QUESTIONS -2023

UNIT : 4 LESSON

TIME : 1 HRS

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Prepared by

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SHORT ANSWER QUESTIONS :

1. What is meant by electromagnetic induction?
2. State Faraday's laws of electromagnetic induction.
3. State Lenz's law.
4. State Fleming's right hand rule.
5. How is Eddy current produced? How do they flow in a conductor?
6. Mention the ways of producing induced emf.
7. What for an inductor is used? Give some examples.
8. What do you mean by self-induction?
9. What is meant by mutual induction?
10. Give the principle of AC generator.

11. List out the advantages of stationary armature-rotating field system of AC generator.
12. What are step-up and step-down transformers?
13. Define average value of an alternating current.
14. How will you define RMS value of an alternating current?
15. What are phasors?
16. Define electric resonance.
17. What do you mean by resonant frequency?
18. How will you define Q-factor?
19. What is transformer efficiency
20. Difference between self induction and mutual induction