

9/11/2020  
MONDAY

# PHYSICS

STD - 8  
class - 28

Let us Assess 10 questions Answers  
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- 1. Ans) Generator, dynamo, moving coil microphone, transformer, inductor.
- 2. Ans) Solenoid, bar magnet, galvanometer.
- 3. Ans) No. of windings or turns, power of magnet, speed of motion of solenoid or magnet.
- 4. Ans) The needle of galvanometer deflects to one side.
- 5. Ans) solar cell, dry cell, dynamo, DC generator
- 6. Ans) a) 1. Field magnet      2. Armature  
                  3. Slip rings        4. Brush  
                  b) Electromagnetic Induction - define it.

7. Ans)
- | <u>AC</u>  | <u>DC</u>                              |
|--|--|
| • Flows in both directions.                                    | • Flows in the same direction          |
| • Electrons oscillate  | • Electrons move from -ve to +ve side. |
| • cannot be stored   | • can be stored in batteries.          |
| • The voltage can be increased or decreased using transformers | • Transformer does not work on DC.     |

8. Ans) Maximum at  $\frac{T}{4}$ ,  $\frac{3T}{4}$ , Minimum at  $0$ ,  $\frac{T}{2}$ ,  $T$ .

9. Ans) There are two types. AC and DC generator.

10. Ans) a) first DC and the second one AC produces.  
b) Fig. 1 - produces AC      Fig. 2 - produces AC  
c) when armature turns

