

ELECTROSTATICS

Test Paper-I

MAX MARKS: 30

TIME: 90Mts

1	What is Electrostatics?	Page:1	1
2	Find the correct choice from the following		
	a. when two glass rods rubbed with wool or silk cloth are brought close to each other, they Attract/repel		2
	b. When the two strands of wool or two pieces of silk cloth with which the rods were rubbed are brought each other, they attract/repel		
	c. Two plastic rods rubbed with cat's fur are brought close to each other, they attract/repel		
	d. The pith ball touched with glass rod when brought nearer to another pith ball touched with plastic rod they attract/repel	Page:2	
3	What happens to the bodies when they are rubbed on each other?	Page:2	1
4	How many kinds of electrification are there? What are they?	Page:2	1
5	Name the property of charge which differentiates the two kinds of charges.	Page:2	1
6	What happens to the electrified glass rod When brought in contact with silk, with which it was rubbed? Why?	Page:2	2
7	Who named the charges as positive and negative?	Page:3	1
8	What happens to a compass needle when a current carrying wire is placed nearer to it? Who discovered this phenomenon?	Page:3	2
9	How can you say that electricity and magnetism are interdependent?	Page:3	1
10	What is electromagnetism?	Page:3	1
11	Who claimed that science of optics is intimately related to that of electricity and magnetism?	Page:3	1
13	Name the device used to detect charge on a body? Give a brief description of it.	Page:3	2
14	How can you make a simple electroscope	Page:4	2
15	Is there a new charge is created in the process of rubbing? Give your answer.	Page:5	1
16	What are conductors and insulators? What is the difference between them when they are given charge to them	Page:5	2
17	Why nylon or plastic comb gets electrified on combing hair, but a spoon does not? Give reason.	Page:5	1

18	What is meant by earthing? What is the other name for earthing? How earthing can be done? What is the advantage of it?	Page:5	3
19	Explain What is charging by induction	Page:6	3
20	How can you charge a metal sphere positively without touching it?	Page:7	2