

J&K POLICE PUBLIC SCHOOL, MIRAN SAHIB
ASSIGNMENT-1
SUBJECT- PHYSICS

TIME : 40 minutes
Tr. I/C : SURBHI

M.Marks: 20
CLASS 10TH

General Guidelines

Attempt all questions

Very short Answer Type Questions – 1 Marks Each

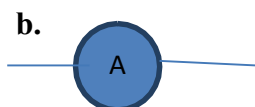
Short Answer Type Questions- 3Marks Each

Long Answer Type Questions – 5 Marks Each

SECTION A

VERY SHORT ANSWER TYPE QUESTIONS

1. The symbol used for denoting battery in a circuit is



2. Resistance of the wire is given by

a. $R = V/I$

c. $R = I/V$

b. $R = IV$

d. $R = I^2V$

3. The resultant resistance when three resistances 2ohms, 4ohms, 5ohms , when connected in series is

a. 12 ohms

c. 11ohms

b. 13 ohms

d. 15 ohms

SECTION B

SHORT ANSWER TYPE QUESTIONS

4. Calculate the number of electrons constituting one coulomb of charge.
5. On what factors does the resistance of a conductor depend?
6. Why the coils of electric toasters and electric irons made of an alloy rather than a pure metal ?
7. What are the advantages of connecting electric devices in parallel with the battery instead of connected them in series?

SECTION C

LONG ANSWER TYPE QUESTIONS

8. (a) Which among iron and mercury is a better conductor ?
(b) Which material is the best conductor ?