



Padalsalai's Telegram Groups!

(தலைப்பிற்கு கீழே உள்ள லிங்கை கிளிக் செய்து குழுவில் இணையவும்!)

- **Padalsalai's NEWS - Group**
https://t.me/joinchat/NIfCqVRBNj9hhV4wu6_NqA
- **Padalsalai's Channel - Group**
<https://t.me/padasalaichannel>
- **Lesson Plan - Group**
<https://t.me/joinchat/NIfCqVWwo5iL-21gpzrXLw>
- **12th Standard - Group**
https://t.me/Padalsalai_12th
- **11th Standard - Group**
https://t.me/Padalsalai_11th
- **10th Standard - Group**
https://t.me/Padalsalai_10th
- **9th Standard - Group**
https://t.me/Padalsalai_9th
- **6th to 8th Standard - Group**
https://t.me/Padalsalai_6to8
- **1st to 5th Standard - Group**
https://t.me/Padalsalai_1to5
- **TET - Group**
https://t.me/Padalsalai_TET
- **PGTRB - Group**
https://t.me/Padalsalai_PGTRB
- **TNPSC - Group**
https://t.me/Padalsalai_TNPSC

ST.JOHNS MATRIC .HR.SEC.SCHOOL

No:13 New colony, Porur Chennai -116.

MONTHLY TEST (2019-20)**TIME: 1 hrs****STD - IX****SCIENCE - I****MAX.MARKS:25****I. Choose the correct answer :****6 x 1 = 6**

- Rubbing of comb with hair
 - creates electric charge
 - transfers electric charge
 - either (a) or (b)
 - neither (a) nor (b)
- Electroplating is an example for
 - heating effect
 - chemical effect
 - flowing effect
 - magnetic effect
- Heating effect of current is called,
 - Joule heating
 - Coulomb heating
 - Voltage heating
 - Ampere heating
- The element that would form anion by gaining electrons in a chemical reaction is _____
 - potassium
 - calcium
 - fluorine
 - iron
- Covalent bond is formed by _____
 - transfer of electrons
 - sharing of electrons
 - sharing a pair of electrons
- Number of valence electrons in carbon is
 - 2
 - 4
 - 3
 - 5

II. Answer any Two questions**2x 2 = 4**

- Define electric field.
- State Ohm's law.
- Write a note on different types of bonds.
- Correct the wrong statements.
 - Ionic compounds dissolve in non polar solvents.
 - Covalent compounds conduct electricity in molten or solution state.

III. Answer any Two questions**2x 4 = 8**

- Calculate the amount of charge that would flow in 2 hours through an element of an electric bulb drawing a current of 2.5 A.
- A bird sitting on a high power electric line is still safe. How?
- An atom X with atomic number 20 combines with atom Y with atomic number 8. Draw the dot structure for the formation of the molecule XY.
- Find the oxidation number of the elements in the following compounds.
 - C in CO_2
 - Mn in MnSO_4

III. Answer any ONE questions**1x 7 = 7**

- List the safety features while handling electricity.
- How are the home appliances connected in general, in series or parallel. Give reasons
- Discuss in brief about the properties of coordinate covalent compounds.