



DEPARTMENT : PHYSICS

ACTIVITY : ENTRY LEVEL TEST

YEAR : 2022 – 2023

DEPARTMENT OF PHYSICS

DATE	TIME	VENUE
30.08.2022	10:00 a.m. to 11:00 a.m.	I B.Sc. Physics Classroom E.M.G Yadava Women's College, Madurai
Nature of the Activity		Entry Level Test
Title		Basics of Physics
Convener		Mrs. R. Kayalvizhi Head, Assistant Professor of Physics E.M.G. Yadava Women's College Madurai
Resource Person		Ms.E.Chris Monica Assistant Professor of Physics E.M.G. Yadava Women's College Madurai
No. of Participants		Students - 10

ENTRY LEVEL TEST "BASICS OF PHYSICS"

Objectives:

The session focused on Student's knowledge in Physics at higher secondary level.

Programme Outcome:

The program outcome is a familiarity with the terminologies and principles used in Physics.



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DEPARTMENT OF PHYSICS
I YEAR PHYSICS (2022-2023)
ENTRY LEVEL TEST

STUDENT NAME:

DATE:

CHOOSE THE BEST ANSWER:

(25X1=25)

- Coulomb's Law is valid for _____.
 - Only point charge
 - For both point charge and distributed charge
 - Only distributed charges
 - Neither distributed nor point charge
- The electric field lines diverge from _____.
 - Negative charge
 - Positive charge
 - Dipole
 - Zero potential point
- The amount of force exerted on a unit positive charge in an electric field is known as _____.
 - Electric field intensity
 - Electric flux
 - Electric potential
 - Electric lines of force
- When 'n' capacitors are connected in series the total capacitance(C) of the combination is given by _____.
 - $C = C_1 + C_2 + C_3 + \dots + C_n$
 - $C = C_1 * C_2 * C_3 * \dots * C_n$
 - $1/C = 1/C_1 + 1/C_2 + 1/C_3 + \dots + 1/C_n$
 - $C = (C_1 + C_2 + C_3 + C_4 + \dots + C_n)m$
- Dipole moment depends on _____.
 - Charge only
 - Charge and length of a dipole
 - Charge, length of a dipole and dielectric constant of the medium
 - Charge and dielectric constant of the medium
- What is the SI unit of current?
 - Coulomb
 - Ampere
 - Farad
 - Newton
- Which type of current is flowing through a circuit?
 - Static current
 - Conventional current
 - Electronic current
 - Potential current

Choose the Best answer

- 1) Only point charge
- 2) Dipole \checkmark
- 3) Electric flux \checkmark
- 4) $\frac{1}{\epsilon_0} + \frac{1}{\epsilon_1} + \frac{1}{\epsilon_2} + \frac{1}{\epsilon_3} + \dots + \frac{1}{\epsilon_n}$ \checkmark
- 5) Charge and length of a dipole \checkmark
- 6) Ampere \checkmark
- 7) Conventional current \checkmark
- 8) Static electricity \checkmark
- 9) Ohm's law \checkmark
- 10) Kirchhoff's Second rule \checkmark
- 11) Resistivity \checkmark
- 12) Tesla \checkmark
- 13) Vector quantity \checkmark
- 14) Distance \checkmark
- 15) Mechanical Work \checkmark

E. M. G. Yadava Women's College, Modhera

Name : P. Dhiman priya

Class : I B. Sc Physics

Sub : Entry level test

Date : 22.8.23

17
25

c. Student participants:



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Entry Level Test - 30.8.2022

S.No.	REGISTER NO.	NAME	DEPARTMENT
1	22PHY01	M. ABILA	PHYSICS
2	22PHY02	K. ABIRAMI	PHYSICS
3	22PHY03	P. DHARANI PRIYA	PHYSICS
4	22PHY04	S. FATHIMA BEGAM	PHYSICS
5	22PHY05	M. JAYALAKSHMI	PHYSICS
6	22PHY06	M. KARUNIYA	PHYSICS
7	22PHY07	V. POTHIALAGI	PHYSICS
8	22PHY08	C. PRADEESHA	PHYSICS
9	22PHY09	M. SARIGA BANUMATHI	PHYSICS
10	22PHY10	T. SARITHA	PHYSICS

E. Shrin Monica
Coordinator:


Head of the Department


Principal
PRINCIPAL T/C
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