

For Term End Online Examination, there will be 25 (15 x 1Mark questions + 10 x 2Marks questions = 35 Marks) questions each on Physics and Chemistry.

Suggestive Sample Questions

Physics Q.P. Code 22102 (Topic No. 1 to 3)

Topic No: 1:

Q. Select the correct option of Fundamental Quantities with SI Units. 1 Mark

Quantity	units
a) Length	i) A
b) Temperature	ii) m
c) Electric current	iii) mol
d) Amount of substance	iv) K

Options:

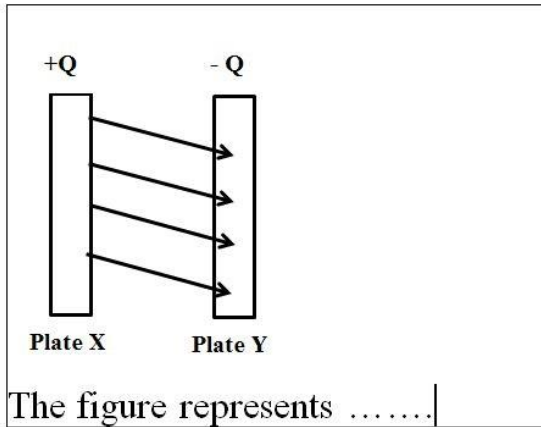
- A) a-ii, b-iv, c-i, d-iii B) a-iii, b-i, c-iv, d-ii,
C) a-ii, b-i, c-iv, d-iii D) a-iv, b-iii, c-ii, d-i

Q. Dimension of power is _____ 2 Marks

Options:

- A) $L^1 M^1 T^{-2}$ B) $L^2 M^{-1} T^3$
C) $L^2 M^1 T^{-3}$ D) $L^2 M^{-1} T^3$

Q. The figure represents



- A) Electric lines of force in uniform electric field
- B) Electric lines of force in non - uniform electric field
- C) Electric lines of force in uniform magnetic field
- D) Electric lines of force in non - uniform magnetic field

Q: One ampere Current is given by _____

1 Mark

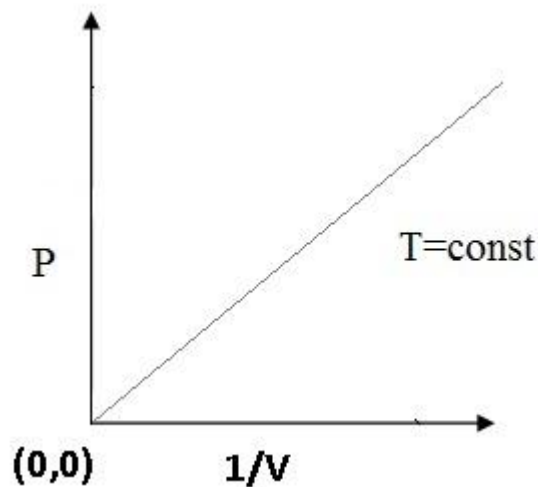
- A) $1A = 1C/1ohm$
- B) $1A = 1C/1s$
- C) $1A = 1s * 1C$
- D) $1A = 1s/1C$

Topic: 3

Q: Given Below is the graphical representation of _____

1 Mark

Figure:-



Options:

- A) Joules Law
- B) Charles Law
- C) Boyles Law
- D) Gay Lussacs Law

Q: The measure of hotness or coldness of a body is known as_____. 1 Mark

Options

- A) heat energy
- B) temperature
- C) chemical energy
- D) potential energy

Q: A dimensionless quantity

1 Mark

Options

- A) Never has a unit
- B) Always has a unit
- C) May have a unit
- D) Does not exist

Q: A wire of resistance R is stretched which increases its length by 1%. Its new resistance is =

2 Marks

Options

- A) $(1.01)^2R$
- B) $1.01R$
- C) $R/1.01$
- D) $R/(1.01)^2$

Q: Temperature scales degree Celsius ($^{\circ}\text{C}$) & degree Fahrenheit ($^{\circ}\text{F}$) are related as

2 Marks

Options

- A) $^{\circ}\text{C} = 9/5(^{\circ}\text{F}-32)$
- B) $^{\circ}\text{F} = 5/9 (^{\circ}\text{C}+32)$
- C) $^{\circ}\text{C}/9 = (^{\circ}\text{F}-32) / 5$
- D) $^{\circ}\text{C}=5/9(^{\circ}\text{F}-32)$

Q: When an impurity is doped into an intrinsic semiconductor the conductivity of the semiconductor

2 Marks

Options

- A) Increases
- B) Decreases
- C) Remains the same
- D) Becomes Zero