

TEST-4**CH - 13****PHYSICS****-2020-(10TH CLASS)****Paper: (Objective Type)****Maximum Marks : 12****Time Allowed: 15 Minutes**

Note : You have four choices for each objective type question as A,B,C and D. The choice which you think is correct fill that circle in front of that question number. Use marker or pen in fills this circle. Cutting or filling two or more circles will result in zero mark in that question.

Q. 1	QUESTIONS	(A)	(B)	(C)	(D)
1.	S.I unit of capacitance is	Coulomb	Electric volt	Farad	Volt
2.	Capacitance is defined as	VC	Q/V	QV	V/Q
3.	The unit of electric intensity.	ms ⁻¹	NS	Nm	Ne ⁻¹
4.	Electroscope is used to detect:	Charge	Current	Voltage	Resistance
5.	How many factors are which affect the ability of a capacitor to store charge?	2	3	4	5
6.	The value of k in coulomb's law is.	$9 \times 10^9 \text{ Nm}^2\text{C}^{-2}$	$9 \times 10^9 \text{ Nm}^2\text{C}^{-2}$	$9 \times 10^8 \text{ Nm}^2\text{C}^{-2}$	$9 \times 10^{-9} \text{ Nm}^2\text{C}^{-2}$
7.	The SI Unit of charge is.	Volt	Coulomb	Ampere	Ohm
8.	Five joules of work is needed to shift 10 C of charge from one place to another. The potential difference between the places is.	0.5 V	2 V	5 V	16 V
9.	The coulomb's law is.	$F = k \frac{q_1 q_2}{r^3}$	$F = k \frac{q_1 q_2}{r^2}$	$F = qE$	$F = G \frac{m_1 m_2}{r}$
10.	Positive Electric charge is	Repels other positive charge	Attract other positive charge	Attract a neutral charge	Repels a neutral object
11.	To protect the gold leaves of electroscope from the external electric disturbances, the aluminum foil is grounded by a thin wire, which is made up of.	Aluminium	Silver	Copper	Brass
12.	One volt is equal to.	1 JC	1J	1JC ⁻¹	1 C ⁻¹

A B C D**A B C D****A B C D****A B C D****A B C D**

1	☐ A ☐ B ☒ C ☐ D	4	☐ A ☒ B ☐ C ☐ D	7	☐ A ☒ B ☐ C ☐ D	10	☒ A ☐ B ☐ C ☐ D	13	☐ A ☐ B ☐ C ☐ D
2	☐ A ☒ B ☐ C ☐ D	5	☐ A ☒ B ☐ C ☐ D	8	☒ A ☐ B ☐ C ☐ D	11	☒ A ☐ B ☐ C ☐ D	14	☐ A ☐ B ☐ C ☐ D
3	☐ A ☐ B ☒ C ☐ D	6	☐ A ☒ B ☐ C ☐ D	9	☐ A ☒ B ☐ C ☐ D	12	☐ A ☐ B ☒ C ☐ D	15	☐ A ☐ B ☐ C ☐ D

نوٹ: معروضی سوال نامے کو توجہ سے پڑھیں اور ہر MCQ کی درست آپشن A,B,C,D کو پین کی سیاہی یا مارکر سے اس طرح بھر کرین کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو بھر کرنے یا کاٹ کر بھر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔