

TEST NO. 1**CH-1****PHYSICS****Time Allowed: 15 Minutes****CLASS 9TH -2020****Paper: (Objective Type)****Maximum Marks: 12**

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 circles in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question

Q. No	QUESTIONS	(A)	(B)	(C)	(D)
1.	The number of base units in System international.	3	6	7	9
2.	Which is not a derived unit.	Pascal	Kilogram	Newton	Watt
3.	Which is the smallest quantity?	0.01 g	2 mg	100 mg	5000 mg
4.	An interval of 200 μ S is equivalent to	0.2 s	0.02 s	2×10^{-3} s	2×10^{-4} S
5.	One tera is equal to.	10^{-12}	10^{-18}	10^{12}	10^{18}
6.	Least count of metre rod is.	1 mm	0.1 mm	0.01 mm	1 cm
7.	Which instrument is most suitable to measure the internal diameter of test tubes?	Metre rod	Vernier calipers	Measuring scale	Screw gauge
8.	A measuring cylinder is used to measure.	Mass	Area	Volume	Level of liquid
9.	Amount of substance in terms of number is measured in.	Gram	Kilogram	Newton	Mole
10.	The study of internal structure of the earth is called.	Atomic physics	Geo physics	Sound	Heat
11.	The basic quantity is.	Mass	Volume	Torque	Momentum
12.	Least count of screw gauge.	1 cm	0.001 m	0.01 mm	1 mm

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 آئیٹن A, B, C, D کو بچین کی سی ایسی یا مار کر سے اس طرح پُر کریں کہ سی ایس دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو پُر کرنے یا کات کر پُر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

TEST NO. 1

CH - 1

PHYSICS

CLASS 9TH – 2020

Paper : (Essay Type)

Time Allowed: 1:45 hours

Maximum Marks: 48

(PART – I)

2. Write short answers to any Five (5) questions: 10

- (i) Define physical quantities and derived quantities.
- (ii) What role SI units have played in the development of science?
- (iii) Define Physics and Mechanics.
- (iv) Define Plasma and geophysics
- (v) Define physical quantities.
- (vi) Define base quantities and unit.
- (vii) Change in 15 years into seconds.
- (viii) What is international system of units?

3. Write short answers to any FIVE (5) questions: 10

- (i) Why is the use of zero error necessary in a measuring instrument.
- (ii) How many divisions are there on Vernier scale?
- (iii) Define prefixes and give examples?
- (iv) What is significant figure?
- (v) What is meant by stopwatch?
- (vi) What you mean zero Error and Zero correction.
- (vii) What is meant by Vernier constant?
- (viii) What is measuring cylinder?

4. Write short answers to any FIVE (5) questions: 10

- (i) Define Screw gauge.
- (ii) A chocolate wrapper is 6.7 cm long and 5.4 cm wide. Calculate its area upto reasonable number of significant figures.
- (iii) How we can take reading on Vernier calipers?
- (iv) Describe scientific notation? Give an example
- (v) What is meant by significant figure in a measured quantity?
- (vi) Differentiate between Physical balance and Electronic balance.
- (vii) Write down rules to find the significant digits.
- (viii) How can we measure the volume of an irregular shaped solid object?

(PART – II)

Note:- Attempt any TWO questions.

- 5. (a) What are measuring instrument? Explain the meter rod. 4
- (b) A chocolate wrapper is 6.7 cm long and 5.4 cm wide. Calculate its area up to Reasonable number of significant figures. 5
- 6. (a) What is meant by stopwatch describe about the digital stopwatch 4
- (b) Your hair grows at the rate of 1mm per day. Find their growth rate in nm s^{-1} . 5
- 7. (a) What is meant by Vernier calipers? Write its construction. 4
- (b) How do the prefixes micro. Nano and Pico relate to each other? 5