

TEST NO. 8**CH – 7****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.	In which state molecules do not leave their position?	Liquids	Solid	Gas	Plasma
2.	In SI system unit of density is.	Kgm-l	Kgm-3	Kgm-2	Kgm
3.	Which of the substance is the lightest one?	Copper	Mercury	Aluminum	Lead
4.	SI unit of pressure is Pascal, which is equal to.	10^4 Nm^{-2}	10^3 Nm^{-2}	10^2 Nm^{-2}	1 Nm^{-2}
5.	In SI unit of Pressure is.	N	Nm	Nm^{-2}	J
6.	What should be the approximate length of glass tube to construct a water barometer?	0.5 m	1m	2.5 m	11 m
7.	In SI system, the unit of Young modulus is.	Nm^{-1}	Nm	Nm^{-2}	Nm^{-3}
8.	At sea level, the atmospheric pressure is about.	101300 Pa	1110300 Pa	103100 Pa	100130 Pa
9.	According to Hooke's law.	Constant = strain x stress	Constant = stress/strain	Constant = strain/stress	Strain = stress
10.	The ratio between stress and tensile strain is.	Elastic modulus	Bulk Modulus	Young's Modulus	Shear Modulus
11.	One litre is equal to.	1 Kgm^{-1}	1000 cm^{-3}	10^{-6} m^3	10^{-3} m^3
12.	Density of ice is	900 kgm^{-3}	910 kgm^{-3}	920 kgm^{-3}	930 kgm^{-3}

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 پُر کریں کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو پُر کرنے یا کاٹ کر پُر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

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TEST NO.8

CH - 7

PHYSICS

Time Allowed: 1:45 hours

CLASS 9TH –2020

Paper : (Essay Type)

Maximum Marks: 48

(PART – I)

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

- (i) Write some important features of kinetic molecular model of matter.
- (ii) Define Plasma.
- (iii) The mass of 200 cm³ of stone is 500 gram. Find its density.
- (iv) Define pressure. Also write it in mathematical form.
- (v) What is a barometer?
- (vi) State the Pascal's law.
- (vii) Write down any two application of Pascal's law.
- (viii) State Archimedes principle. Write its equation.

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

- (i) What is up thrust? State principle of floatation?
- (ii) Why does a piece of stone sink in water but a ship with a huge weight floats?
- (iii) Define stress and write its units.
- (iv) What is Tensile strain?
- (v) Differentiate between Stress and Strain.
- (vi) State Hook's law. What is meant by elastic limit?
- (vii) Define Young's Modulus.
- (viii) Define deforming force.

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

- (i) Why does atmospheric pressure vary with height?
- (ii) Write two properties of liquids.
- (iii) What is meant by atmospheric pressure?
- (iv) Explain how a submarine moves up the water surface and down into water.
- (v) Define elasticity and stress.
- (vi) Define strain and write its unit.
- (vii) What is difference between ships and submarines?
- (viii) Calculate the volume of a gold bar of mass 0.2 kg, the density of gold is 19300 kg m⁻³

(PART – II)

Note:- Attempt any Two questions.

5. (a) Define Young's modulus and derive the formula of Young Modulus. 4

(b) The mass of 200 cm² of stone is 500 g. Find its density. 5

6. (a) State the Pascal's law. What are its applications in our daily life? 4

(b) A wooden cube of sides 100 m each has been dipped completely in water calculate the up thrust force of water acting on it. 5

7. (a) State Archimedes principle and prove it and derive equation of up thrust of Liquid. 4

(b) The weight for a metal spoon in air is 0.48 N. While its weight in water is 0.42 N. Find its density. 5