

TEST NO – 12
GRAND TEST
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.1	QUESTIONS	(A)	(B)	(C)	(D)
1.	Amount of a substance in terms of number is measured in.	Gram	Kilogram	Newton	Mole
2.	Least count of meter rod is.	1 mm	0.1 mm	0.01 mm	1 cm
3.	The spinning motion of a body its own axis is called.	Circular motion	Rotatory motion	Vibratory motion	Random motion
4.	Unit of Momentum is.	Kgms-1	Kgms-2	Kg-1ms	Kgm2s-1
5.	If 10 Newton force is making an angle 30° with x-axis then value of horizontally component is.	4 N	5 N	7 N	8.7 N
6.	Earth's gravitational force of attraction vanishes at.	6400 km	Infinity	42300 km	1000 km
7.	The orbital speed of a low orbit satellite is.	80 ms-1	8 ms-1	800 ms-1	8000 ms-1
8.	Rate of doing work is called.	Energy	Torque	Power	Momentum
9.	At sea level, the atmospheric pressure is about.	101300 Pa	110300 Pa	103100 Pa	100130 Pa
10.	Which of the following affects evaporation.	Temperature	Surface area of liquid	Wind	All of these
11.	The unit of thermal conductivity is.	Wmk	Wm ⁻¹ K ⁻¹	Wmk ⁻¹	Wm ² K ¹
12.	In gases, heat is mainly transferred by.	Molecular	Convection	Radiation	Conduction

	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 بچھن کی سیاہی یا مارکر سے اس طرح پیکرین کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو پیکر کرنا یا کاٹ کر پیکر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

TEST NO – 12
GRAND TEST

PHYSICS

Time Allowed: 1:45 hours

CLASS 9TH – 2020

Paper : (Essay Type)
Maximum Marks: 48

(PART – I)

2. Write a short answer any FIVE (5) questions.

10

- (i) Define scientific notation.
- (ii) Define least count and write the least count of vernier calipers.
- (iii) Write down rules of find the significant digits.
- (iv) Difference between distance and displacement.
- (v) Define acceleration and write its equations.
- (vi) Define gravitational acceleration.
- (vii) What is meant by momentum?
- (viii) State Newton's first law of motion.

3. Write a short answer any FIVE (5) questions.

10

- (i) What are like and unlike parallel forces?
- (ii) Define Resolution of force.
- (iii) Define equilibrium.
- (iv) State second condition of equilibrium?
- (v) Define law of gravitation and writ its equation.
- (vi) Give the orbital speed formula for artificial satellite.
- (vii) Define work and joule.
- (viii) A stone of mass 500 g strikes the ground with a velocity of 20 m/s. How much is the kinetic energy of the stone at th time of strike to the ground.

4. Write a short answer any FIVE (5) questions.

10

- (i) What is meant by Nuclear Energy?
- (ii) What is meant by pressure? Write its unit in system international.
- (iii) Define density and elasticity.
- (iv) Difference between stress and strain.
- (v) Define Specific heat.
- (vi) Why gaps are left in railway tracks?
- (vii) What is meant by convection currents?
- (viii) On what factors radiations depends?

PART - II

Note:- Attempt any TWO questions.

5. (a) Prove that third equation of motion with the help of speed time graph. **4**
(b) A stone is dropped from the top of tower. The stone hits the ground after 5 seconds. Find (i) The height of tower (ii) The velocity with which the stone hits the ground. **5**
6. (a) Define Young's Modulus and derive its formula. **4**
(b) The weight of a metal spoon in air is 0.48 N. While its weight in water is 0.42 N. Find its density. **5**
7. (a) Define evaporation. Write factors which effect it. **4**
(b) Define linear thermal expansion in solids. Derive its formula $L=L_a (1 + \alpha \Delta T)$ **5**