

TEST – 7**CH – 6****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 energy stored in coal is.	Nuclear energy	Heat energy	Chemical energy	Electrical energy
2.	The work will be maximum when angle between force and displacement will be.	45°	0 °C	90 °	180°
3.	The work done lifting a brick of mass 2 kg through a height of 5 m above the ground will be.	2.5 J	10 J	50 J	100 J
4.	The kinetic energy of a body of mass 2 kg is 25 J . Its speed will be.	5 ms ⁻¹	12.5 ms ⁻¹	25 ms ⁻¹	50 ms ⁻¹
5.	The energy is the stretched bow is.	Elastic potential energy	Kinetic Energy	Heat Energy	Sound Energy
6.	Energy stored in a Dam's water is.	Electrical energy	Kinetic energy	Potential energy	Thermal energy
7.	The formula of kinetic energy.	mv ² /r	mgh	½ mv ²	mv
8.	The device converts light energy into electrical energy	Electric bulb	Electric generator	Electric cell	Photo cell
9.	In Einstein's mass –energy equation. C is the.	Speed of sound	Speed of light	Speed of earth	Speed of electron
10.	Rate of doing work called.	Energy	Torque	Power	Momentum
11.	Power is equal to.	W x t	W / t ²	W ² / t	W / t
12.	One horse power is equal to.	764 W	746 W	100W	1100W

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 بچین کی سیاہی یا مارکر سے اس طرح بھر کرین کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو بھر کر نے یا کاٹ کر بھر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

TEST NO. 6

CH – 6

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) Define Work and Joule.
 - (ii) Define kinetic energy and write its equation.
 - (iii) 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 the time of strike to the ground?
 - (iv) Define potential energy and write its formula.
 - (v) A body of mass 50 kg is raised to height of 3 m. What is its potential energy?
 - (vi) Define energy. Write any two kinds.
 - (vii) Define mechanical energy and give two examples.
 - (viii) Name such a device that convert mechanical energy into electrical energy.
- 3. Write short answers to any Five (5) questions. 10**
- (i) Differentiate between mechanical and chemical energy.
 - (ii) What meant by Nuclear energy?
 - (iii) Write down the two disadvantages of fossil fuels.
 - (iv) What is meant by non-renewable sources? Write any one example.
 - (v) On what parts a heating system consist of?
 - (vi) Write two uses of wind energy.
 - (vii) Write mass-energy equation.
 - (viii) Define efficiency and write its equation.
- 4. Write short answers to any Five (5) questions. 10**
- (i) Define power and write its formula.
 - (ii) A machine does 4 joule of work in 2 sec. Calculate its work.
 - (iii) Define Joule and watt.
 - (iv) If a pump has power of 1120 watt convert it into horse power (hp)
 - (v) Define power and watt.
 - (vi) What is meant by Energy from Biomass?
 - (vii) What do you mean by solar cell?
 - (viii) Difference between work and energy.

(PART – II)

Note:- Attempt any TWO questions.

- 5. (a) Define Potential energy. Give its examples and derive its equation P.E. = mgh. 4**
- (b) A car weighing 12 KN has speed of 20 ms⁻¹. Find its kinetic energy. 5**
- 6. (a) Define efficiency. Write its formula. 4**
- (b) Calculate the power of pump which can lift 70 kg of water through a vertical Height of 16 meter in 10 seconds. Also find the power of the pump convert its power into horse power. 5**
- 7. (a) Write is the uses of Wind Energy. 4**
- (b) Define Kinetic energy. Derive its formula K.E. = $\frac{1}{2}mv^2$ 5**