TEST- 6
CH – 1 to 5

PHYSICS **CLASS 9TH – 2020** **Paper: (Objective Type)**
Time Allowed: 15 Minutes **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.	Which is the smallest quantity.	0.019 g	2mg	100 mg	5000 mg
2.	An interval of 200 μs is equivalent.	0.2 s	0.02 s	2×10^{-4} S	2×10^{4} S
3.	A measuring cylinder is used to measure.	Mass	Area	Volume	Level of liquid
4.	A body has translator motion if it moves along a.	Circle	Straight line	Curved path	Line without rotation
5.	The spinning motion of a body its own axis is called.	Circular motion	Vibratory motion	Rotatory motion	Random motion
6.	By dividing displacement of a moving body with time, we obtain.	Speed	Acceleration	Velocity	Deceleration
7.	The multiple of mass and velocity of a body is called.	Torque	Force	Work	Momentum
8.	In isolated system the momentum after collision of two bodies is.	Increases	Constant	Decreases	Zero
9.	The net torque acting on a rotating body with uniform speed is.	1	2	5	0
10.	The value of gravitational filed strength near the surface of earth is.	20 N kg	30 N kg	5 N kg	10 N kg
11.	The value of "g" at the surface of moon is.	1.06 ms^{-2}	1.62 ms^{-2}	1.6 ms^{-1}	0.16 ms^{-2}
12.	The moon completes its one revolution around the earth is.	25.3	27.3	29.3	31.3

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

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۔

FTEST NO. 6
CH – 1 – 5

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 Physics.
(ii) Define derived quantities and write the name of two derived quantities.
(iii) Why is the use of zero error necessary in a measuring instrument?
(iv) Define zero correction.
(v) Write down rules to find the significant digits.
(vi) Difference between Rest and Motion.
(vii) Define rotatory motion and give an example.
(viii) Define vector and write the name of two vector quantities.

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

(i) Difference between distance and displacement.
(ii) Differentiate speed and velocity.
(iii) What would be the shape of a speed-time graph of a body moving with variable speed?
(iv) Write the unit of force and define it.
(v) A force of 20 N moves a body with an acceleration of 2 ms^{-2}. What is its mass?
(vi) Write the advantages of banking of the road.
(vii) Differentiate between torque and couple.
(viii) Define Torque and write its formula.

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

(i) What is meant by axis of rotation of a body?
(ii) Why the height of vehicles is kept as low as possible?
(iii) What is the meant by gravitational field strength.
(iv) What do you know about global positioning system?
(v) What is the height and speed of Geo stationary satellite from the surface of the earth?
(vi) What are artificial satellites? Give the two uses.
(vii) Define law of gravitation and write its equation.
(viii) what is meant by the force of gravitation.

(PART – II)

Note:- Attempt any TWO questions.

5. (a) Find the number of significant figures. **4**
i) 100.8 s ii) 0.00580 km iii) 210.0 g
(b) Prove the third equation of motion with the help of speed time graph. **5**

6. (a) Define rate of change of momentum and also drive its equation. **4**
(b) A body of mass 5 kg moving with velocity 10 ms-1. Find the force required to stop it in 2 Second. **5**

7. (a) Define rectangular components? How can a force be resolved into its rectangular Components. **4**
(b) A man is pulling a trolley on a horizontal road with a force of 200 N making 30 degree with the road. Find horizontal and vertical components of its force. **5**