TEST NO - 9
CH – 8

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.	Water start freeze at the temperature.	0 °F	32 °F	-273 K	0 K
2.	Normal human body temperature is.	15 °C	37 °C	37 °F	98.6 °C
3.	The value of absolute zero at Kelvin scale is.	0 °C	100 K	100 °C	-273 °C
4.	Which material has large specific heat?	Copper	Ice	Water	Mercury
5.	Which gas is used in spite of frozen gas in refrigerator?	CO_2	H_2	NH_3	N_2
6.	Which of the following material has larger value of temperature coefficient of linear expansion?	Gold	Brass	Aluminum	Steel
7.	The co-efficient of linear expansion and volume expansion are related by the equation	$B = a\alpha$	$B = 3a$	$B = 2a$	$B = 2/a$
8.	Co-efficient of volume expansion of aluminium is.	$4.2 \times 10^{-3}\ K^{-1}$	$7.2 \times 10^{-1} K^{-1}$	$2.4 \times 10^{-3}\ K^{-1}$	$6 \times 10^{-3}\ K^{-1}$
9.	The specific heat of iron in joules per kilogram per kelven is.	387.0	920.0	470.0	503.0
10.	Unit of heat is	Joule	Joule per second	Kelvin	Meter per second
11.	The specific heat of ice is.	$2100\ Jkg^{-1}\ K^{-1}$	$2200\ Jkg^{-1}K^{-1}$	$2300\ Jkg^{-1}K^{-1}$	$2400\ JKg^{-1}K^{-1}$
12.	Refrigerator is based on the principles of.	Mechanics	Thermodynamics	Sound	Light

	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 مار کر 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۔

TEST NO – 9
CH – 8

PHYSICS **CLASS 9TH – 2020** **Paper : (Essay Type)**
Time Allowed: 1:45 hours **Maximum Marks: 48**

(PART – I)

2. Write a short answer any FIVE (5) questions. **10**

(i) Define temperature.
(ii) Define thermal equilibrium.
(iii) Define temperature and heat.
(iv) Define internal energy.
(v) How does heating affect the motion of molecules of a gas?
(vi) What is thermometer? Why mercury is preferred as a thermometric substance?
(vii) What is clinical thermometer?
(viii) What is meant by upper and lower fixed pont in thermometer.

3. Write a short answer any FIVE (5) questions. **10**

(i) Write the scales of temperature.
(ii) Change 300 K on kelvin into Celsius scale.
(iii) . How can Celsius scale be converted into Kelvin and Fahrenheit scales?
(iv) Convert 100 °F temperature into Celsius scale.
(v) Define specific heat.
(vi) Define latent heat of vaporization.
(vii) What is meant by Evaporation?
(viii) What is the effect of temperature on evaporation?

4. Write a short answer any FIVE (5) questions. **10**

(i) Define thermal expansion.
(ii) What is meant by bimetallic strip?
(iii) Define co efficient of linear thermal expansion and what its SI unit is.
(iv) What is meant by anomalous expansion of water?
(v) Why gaps are left in railway tracks?
(vi) Write two applications of thermal expansion.
(vii) Difference between Linear thermal expansion and volume thermal expansion.
(viii) What is meant by latent heat of fusion?

PART - I I

Note:- Attempt any TWO questions.

5. (a) Define evaporation. Write factors which affect it. **4**
(b) Normal body temperature is 98.6 ° F. Convert into Celsius scale and kelvin scale. **5**

6. (a) Explain three scale of temperature. **4**
(b) How much heat required to change 100 g of water at 100 °C into steam? **5**
Latent heat of vaporization of water is 2.26×10^6 jkg^{-1}

7. (a) Define evaporation. Write factors which affect it. **4**
(b) Explain the reason of sea breeze blows during the day and land breeze blows during night. **5**