

TEST NO - 10

CH - 9

PHYSICS

Time Allowed: 15 Minutes

CLASS 9<sup>TH</sup> - 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.	The way by which transfer of heat takes place are.	1	4	2	3
2.	In solid, heat is transferred by.	Conduction	Convection	Radiation	Absorption
3.	Metal are good conductor of heat due to.	Free electron	Big size of their molecules	Small size of their molecules	Rapid vibration of their atoms
4.	What happens to the thermal conductivity of a wall if its thickness is doubled?	Remain same	Becomes half	Becomes one fourth	Becomes double
5.	False ceiling is done to	Lower the height of ceiling	Keep the ceiling clean	Cool the room	Insulate the ceiling
6.	Land breeze blows from	Sea to land during night	Sea to land during day	Land to sea during night	Land to sea during the day
7.	The thermal conductivity of brick is.	$0.8 \text{ Wm}^{-1}\text{K}^{-1}$	$1.7 \text{ Wm}^{-1}\text{K}^{-1}$	$0.6 \text{ Wm}^{-1}\text{K}^{-1}$	$0.2 \text{ Wm}^{-1}\text{K}^{-1}$
8.	In gases, heat is mainly transferred due to.	Conduction	Convection	Molecular collision	Radiation
9.	Generally surfaces of Leslie's cube are.	2	4	6	8
10.	Rooms are heated using gas heaters by	Conduction	Radiation	Convection	Convection and Radiation
11.	Example of a bad conductor is.	Gold	Iron	Wool	Graphite
12.	The unit of rate of conduction of thermal energy is.	$\text{Js}^{-1}$	J	K	$\text{JK}^{-1}$

	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 – 10**

**CH – 9**

**PHYSICS**

**Time Allowed: 1:45 hours**

**CLASS 9<sup>TH</sup> – 2020**

**Paper : (Essay Type)**

**Maximum Marks: 48**

**(PART – I)**

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

**10**

- (i) Write the ways by which transfer of heat takes place.
- (ii) Why are the metals good conductors of heat?
- (iii) What is meant by conduction?
- (iv) What is thermal conductivity?
- (v) Define thermal conductivity of a substance.
- (vi) What is the effect of length of the solid on thermal conductivity?
- (vii) Why bottoms of cooking pots are made black.
- (viii) What causes a glider to remain in air?

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

**10**

- (i) Write name of two expert Thermal riders.
- (ii) What is meant by convection currents?
- (iii) On what factors radiations depends?
- (iv) What is green house effect?
- (v) How does heat reaches us from the sun?
- (vi) We wear white and light coloured clothes in summer why?
- (vii) What is the thermos flask?
- (viii) In what factors flow of heat depends upon for solids.

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

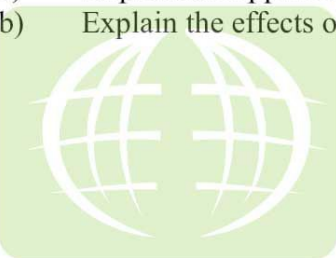
**10**

- (i) Define rate of flow of heat.
- (ii) Write uses of conductors and Non-conductors.
- (iii) Why bottoms of cooking pots are made black?
- (iv) Differentiate between conductors and insulator.
- (v) Differentiate between Conduction and convection.
- (vi) What is meant by gliding?
- (vii) Where is convection currents used?
- (viii) Define land breeze and sea breeze.

**(PART - II)**

**Note:- Attempt any TWO questions.**

5. (a) Write uses of conductors and non-conductors? **4**  
(b) Explain the reason of sea breeze blows during the day and land breeze blows during night. **5**
6. (a) Explain Green House effect? **4**  
(b) What is meant by thermal conductivity? On which things it depends prop. Explain. **5**
7. (a) Explain the application and consequences of radiation. **4**  
(b) Explain the effects of Greenhouse effect in Global warming? **5**



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