ame:		Subject: Physics	Class: 9 th	Time: 80 minutes	Total Marks:	40
Chapter No.8		MJDexpert.com		Obtained marks		
Note	e: Please attempt	any 10 short quest	ions from Quest	ion 2. Also, attem	pt both parts	
	(a and b) of Qu	estion 3. Cutting a	nd removal of ar	ny content is strict	ly prohibited.	
Q.1: T	ick (🖌) the correct an	swer.				
1.	Water freezes at:					
	A) 0°F B) -273K	C) 0K D) 32°F				
2.	Which of the followi	ng factors influences	evaporation?			
	A) Temperature	B) Surface area of th	e liquid C) Air	movement D)	All of these	
3.	The term for the deg	gree of hotness or co	Idness of an objec	ct is:		
	A) Heat capacity	B) Heat C) Therr	nal conductivity	D) Temperature		
4.	The latent heat of fu	ision of ice is:				
	A) 334 kJ/kg B) 2	230 kJ/kg C) 420 ł	J/kg D) 280 k.	J/kg		
5.	The operational rang	ge of a clinical therm	ometer is:			
	A) 20 - 42°C B) 2	5 - 42°C C) 30 - 4	2°C D) 35 - 42	°C		
6. 7.	The coefficient of vo	olume expansion for a	aluminum is:			
	A) 1.8 × 10 ⁻⁵ K ⁻¹	B) 2.4 × 10 ⁻⁵ K ⁻¹	C) 7.2 × 10⁻⁵ K⁻¹	D) 6.5 × 10⁻⁵ K⁻¹		
	Which substance ha	s a high specific heat	capacity?			
	A) Copper B) Ice	C) Water D)	Mercury			
8.	The coefficient of vo	olume expansion for l	prass is:			
	A) 1.5 × 10 ⁻⁴ K ⁻¹	B) 2.4 × 10 ⁻⁵ K ⁻¹	C) 7.2 × 10 ⁻⁵ K ⁻¹	D) 4.2 × 10 ^{−5} K ^{−1}		
9.	Complete the equat	ion:				
	A) 273 + C B) 273	3 - C C) 273 + F	D) 273 - F			
10). The crocus flower of	pens at:				
	A) 21°C B) 22°C	C) 23°C D) 24	°C			
			•			
Write	short answers to any	ten (10) of the follow	ving questions:			
1.	What factors affect	Internal energy?				
2.	Define specific neat	and provide its form	ula.			
3. 4	Convert 300 K to deg	grees Ceisius.		-		
4. r	Evolution hour host of	en neat and tempera	ture.			
Э. С	Explain now near ca	t host of fusion rofo		nce.		
ס. ד	Define the coefficier	at of linear thormal of	ur voancion in colida			
7. o	Explain the significan	nce of the upper and	lower fixed point	s on a thermomoto	r	
o. 0	Define latent heat of	f vanorization	iowei iikeu poliitt		1.	
9. 10	Mention two applies	tions of thermal even	ansion			
10						

- 11. Name two factors that influence evaporation.
- 12. Why are gaps included in railway tracks?

Write answers the following questions:

- 1. Discuss the concepts of latent heat of fusion and latent heat of vaporization.
- 2. Describe and compare the three different temperature scales.

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