

MULTIPLE CHOICE QUESTIONS

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1.	All the bodies expand on heatin	All the bodies expand on heating:			
	(a) Variable	(b) Constantly			
	(c) Uniformly	(d) All of them			
2.	Temperature is the:				
	(a) Mass contained by the body	(b) Force of the molecules of body			
	(c) Degree of hotness or coldness of the body	(d) none of above			
3.	The SI unit of temperature is:				
	(a) °C	(b) °F			
	(c) K	(d) °K			
4.	Temperature of 30 °C in Fahrenheit is:				
	(a) 86 °F	(b) 80 °F			
	(c) 30 °F	(d) 90 °F			
5.	Human normal body temperature of 37				
53.65	(a) 98. 6 °F	(b) 98 °F			
	(c) 100 °F	(d) None of above			
6.	Boiling point of water in Fahrenheit is:				
1	(a) 100 °F	(b) 273 °F			
STATE	(c) 212 °F	(d) 373 °F			
7.	Celsius equivalent of 0K is:				
	(a) -273 °C	(b) -459.4 °C			
	(c) 0 °C	(d) 100 °C			
8.	Fahrenheit equivalent of 0K is:				
	(a) -273 °F	(b) -459.4 °F			
	(c) 0 °F	(d) 100 °F			
9.	Heat is a type of energy:	I GUIII			
	(a) Kinetic	(b) Potential			
	(c) Mechanical	(d) None of above			
10.	Linear expansion of a rod occur along				
	(a) One	(b) Two			
	(c) Three	(d) All			
11.	The characteristic of unequal expansio	on of different metals is employed in a device			
	known as:	CHAPTER STOCKED CONTROL OF THE CONT			
	(a) Thermometer	(b) Burner			
	(c) Calorimeter	(d) Thermostat			
12.	Linear expansion depends on:				
	(a) Length of rod	(b) Change in temperature			
	(c) Nature of material of rod	(d) All of above			
13.	Thermostat works on the principle of:	33. 4			
	(a) Unequal expansion of solids	(b) Pascal's law			
	(c) Anomalous expansion of water	(d) Vaporization			
14.	Thermostat is used in:	A second by anticonnection of the second sec			
	(a) Electric iron	(b) Refrigerator			
	(c) Fire alarm	(d) All of above			
	(C) THE alaim	(u) All of above			

15	SI unit of Coefficient of linear & volume expansion is:						
15.	(b) K						
	(a) m (c) K ⁻¹	(d) °C					
16.	Volume expansion depends on:	(a) C					
10.	(a) Volume of block	(b) Change in temperature					
	(c) Nature of material of block	(d) All of above					
17.	$\beta =$	(d) All of above					
17.	(a) α	(b) 2α					
	(a) α (c) 3α	(d) 5α					
18.	, ,						
10.	(a) One	(b) Two					
	(c) Three	(d) Four					
19.							
17.	(a) Mercury	(b) Alcohol					
	(c) Water	(d) Both a & b					
20.	Ice is a (an):	(d) Both a & o					
20.	(a) Good conductor	(b) Bad conductor					
	(c) Perfect Conductor	(d) None					
21.	A STATE OF THE STA	nge in temperature in a substance of mass 1 Kg					
21,	is called:	ige in temperature in a substance of mass 1 kg					
	(a) Specific heat	(b) Latent heat					
	(c) Heat of exchange	(d) None of above					
22.	Unit of specific heat is:	(a) None of above					
LL.	(a) Jkg ⁻¹ K	(b) JkgK ⁻¹					
	(c) Jkg ⁻¹ K ⁻¹	(d) J					
23.	Which of the following has highest specif						
20.	(b) Ice						
	(a) Water (c) Mercury	(d) Alcohol					
24.	Specific heat of water is:	(GRW 2013, 2014)					
	(a) 2100 Jkg ⁻¹ K ⁻¹	(b) 2500 Jkg ⁻¹ K ⁻¹					
	(c) 3200 Jkg ⁻¹ K ⁻¹	(d) 4200 Jkg ⁻¹ K ⁻¹					
25.	Climate of regions near sea shore remain						
). 1900 .300.00	(a) Greater specific heat of water	(b) Less specific heat of water					
	(c) Low freezing point of water	(d) High boiling point of water					
26.	Cause of land and sea breeze is:						
	(a) Greater specific heat of water	(b) Less specific heat of water					
	(c) Low freezing point of water	(d) High boiling point of water					
27.							
	(a) Thermometer	(b) Burner					
	(c) Calorimeter	(d) Thermostat					
28.	Quantity of heat that changes one kilogra						
	(a) Specific heat	(b) Latent heat of fusion					
	(c) Latent heat of vaporization	(d) All of above					
29.	Quantity of heat that changes one kilogra						
	(a) Specific heat	(b) Latent heat of fusion					
	(c) Latent heat of vaporization	(d) All of above					
30.	Unit of latent heat is:						
	(a) Jkg ⁻¹ K	(b) Jkg					
	(c) I	(d) Iko ⁻¹					

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31. Latent heat of fusion of ice is:

(a) 2,260,000 Jkg⁻¹

(b) 336,000 Jkg⁻¹

(c) 3,260,000 Jkg⁻¹

(d) None of above

32. Latent heat of vaporization of water is:

(a) 2,260,000 Jkg⁻¹

(b) 336,000 Jkg⁻¹

(c) 3,260,000 Jkg⁻¹

(d) None of above

ANSWER KEY

Q.No	Ans	Q.No	Ans	Q.No	Ans	Q.No	Ans
1	c	11	d	21	a	31	b
2	c	12	d	22	c	32	a
3	c	13	a	23	a		
4	a	14	d	24	d		
5	a	15	c	25	a		
6	C	16	d	26	• a		
7	a	17	c	27	C		
8	b	18	c	28	b		
9	a	19	d	29	c		
10	a	20	b	30	d		

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