Holiday package S2PHYSICS

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	a) The center of gravity is the point where the total weight of an object acts.					
	b) In a symmetrical object, the center of gravity remains at the					
	center regardless of any c	center regardless of any changes to its shape or mass distribution.				
	c) An object's center of gravity can lie outside its physical boundaries.					
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d) The center of gravity of a hanging object always aligns vertically below the						
	point of suspension					
	e) If the vertical line through the center of gravity falls outside the base of					
	support, the object is unstable					
	the object has a uniform	mass distribı	ution			
2)	() Identify the choice that best answers the question below.					
	I) Express the room temperature of 27 °C in Kelvin.					
	a) 246 K b) 273	K	c) 300 K	d)320 K.		
	II) A faulty thermometer has fixed points 5°C and 95°C. What is the correct					
	temperature if it reads 59°C?					
	a) 50°C b) 54°C	c) 60ზ		d) 63C		
	III) Convert 37 degree Celsiu	s to degree F	ahrenheit			
	a) 100.4°F b) 9	8.6°F	c) 95°F	d) 104°F		
3)	3) State whether each of the following statements is True or False					
a) Given that a ray of light strikes a plane mirror at an angle of 30°,				an angle of 30°, the		
	angle of reflection is	60°.				

b)	A plane mirror always forms an image that is virtual and erect/upright.
c)	If two plane mirrors are inclined at 90 degrees to each other, three
	images of an object placed between them will be formed.
d)	A pinhole camera of length 20 cm is used to view the image of a tree of
	height 1200 cm which is 4000 cm away from the pinhole. The height
	of the image of the tree obtained on the screen is 60 cm
e)	The pinhole camera works on the principle of linear propagation of light.
	Have a good holiday and remember what we have talked vesterday!!!!!!