**Gulistan Academy**

Physics (9th) Max.Marks = 40

Chapter No. 7, 8, 9 Pass Marks = 30

**Time Allowed = 50 min**

**Question No.1: Give short answers. ()**

1. How kinetic molecular model of matter is helpful in differentiating various stages of matter?
2. Can we use a hydrometer to measure the density of milk? Why or why not.
3. Why water is not suitable to be used in barometer?
4. Why does a piece of stone sink in water but a ship with a huge weight floats?
5. How does heating affect the motion of molecules of gas?
6. Define specific heat. How would you find the specific heat of a solid?
7. Why metals are good conductors of heat?
8. Why double walled glass vessel is used in thermos flask?
9. Why transfer of heat in fluids takes place by convection?
10. How does heat reach us from sun?

**Question No.2: ()**

1. Explain the volumetric thermal expansion.
2. A uniform rectangular block of wood and of mass stands on a horizontal surface with its longest edge vertical. Find (i) the pressure exerted by the block on the surface (ii) density of the wood.

**Question No.3: ()**

1. What is greenhouse effect? Explain the impact of greenhouse effect in global warming.
2. Find the quantity of heat needed to melt of ice at into water at .

**Gulistan Academy**

Physics (9th) Max.Marks = 40

Chapter No. 7, 8, 9 Pass Marks = 30

**Time Allowed = 50 min**

**Question No.1: Give short answers. ()**

1. How kinetic molecular model of matter is helpful in differentiating various stages of matter?
2. Can we use a hydrometer to measure the density of milk? Why or why not.
3. Why water is not suitable to be used in barometer?
4. Why does a piece of stone sink in water but a ship with a huge weight floats?
5. How does heating affect the motion of molecules of gas?
6. Define specific heat. How would you find the specific heat of a solid?
7. Why metals are good conductors of heat?
8. Why double walled glass vessel is used in thermos flask?
9. Why transfer of heat in fluids takes place by convection?
10. How does heat reach us from sun?

**Question No.2: ()**

1. Explain the volumetric thermal expansion.
2. A uniform rectangular block of wood and of mass stands on a horizontal surface with its longest edge vertical. Find (i) the pressure exerted by the block on the surface (ii) density of the wood.

**Question No.3: ()**

1. What is greenhouse effect? Explain the impact of greenhouse effect in global warming.
2. Find the quantity of heat needed to melt of ice at into water at .