**Q1// Define only 5 of the following:**

**1- Meteorology 2- Heat 3- global warming 4- Air Temperature**

**5- Cumulonimbus 6-Wind 7- Humidity**

**Q2// Choose the right answers for the following equations** .

**1-Which type of clouds brings lightning, thunder, and tornadoes?**

(a) Cirrus (b) Cumulonimbus (c) Cirrostratus (d) Altostratus

**2- Layer of atmosphere in which ozone layer lies is**

(a) mesosphere (b) thermosphere (c) troposphere (d) stratosphere

**3-** **Which is the second most abundant gas in earth’s atmosphere?**

( a) hydrogen (b) nitrogen (c) oxygen (d) carbon di oxide

**4- Which of the following terms refers to the sum total of weather conditions and variations over a large area for a long period of time ( more than thirty years)?**

**(**a) atmosphere (b) annual range of temperature ( c) climate (d) monsoon

**5- Which is the topmost layer of the atmosphere?**

(a) ionosphere (b) troposphere (c) stratosphere (d) exosphere

**6- What tool measures air pressure?**

(a)Thermometer ( b) barometer (c) anemometer (d) psychrometer

**7- What type of heat transfer can occur in a vacuum?**

(a) Conduction (b) Convection ( c) Radiation

**8- This type of instrument measures the amount of precipitation.**

(a)Wind vane (b)Barometer (c)Rain gauge (d)Anemometer

**9-** **Which clouds look like heaps of cotton?**

1. Cumulus (b) Stratus (c) Cumulonimbus (d) Cirrus

**10- What clouds look like wispy curls high in the air?**

(a)Cumulus (b)Stratus (c)Cumulonimbus (d)Cirrus

**Q3// A) What are Layers of the Atmosphere in general?**

**B) What are the main differences between weather and climate?**

**C) What the type of the cloud disused in briefly ?**

**D) What are the main differences between low pressure and high** **pressure ?**

**Q4//** **Solve the following temperatures conversions:**

**1- An important conversion that arises for meteorologists is most often temperature conversions. Write down the equations for them:**

**a-Celsius to Fahrenheit ..………..**

**b-Kelvin to Fahrenheit .………….**

**c- Fahrenheit to Celsius …………**

**d- Celsius to Kelvin ………….**

**e- Kelvin to Celsius ………….**

**2- The average body temperature of a house cat is 610 k. What is this temperature in Celsius and Fahrenheit?**