**Midterm revision**

**1st term (2017)**

**Complete the following sentences**

1. Each degree in the medical thermometer is divided into----------------- parts, each equals -----------degree.
2. Mass is a constant value and is not affected by ----------------------.
3. Wool is used in making ----------------- and --------------------- that keep the body warm.
4. --------------------- conducts heat faster than aluminum.
5. The effect of weight is always directed towards the ------------------------.
6. The mass is measured by ----------------------- balance, while the weight is measured by the --------------------- scale.
7. The ---------------------thermometer is used to measure the water temperature.
8. ---------------------- is made by bonding two glass sheets and leaving a s space between them filled with air.
9. ------------------------ And ------------------------- are some usages of good conductors of heat.
10. The scale of ---------------------------thermometer starts with 35 C and ends with 42 C, while the scale of Celsius thermometer starts with ------------------------ and ends with --------------------.
11. The ----------------------- decreases when the distance between an object and the center of earth increases.

**Choose the correct answer**

1. The bulb of the medical thermometer is filled with -----------------------.

(Alcohol- water- mercury- air).

1. The melting point of ice is -----------------

( 0 C- 100 C- 37 C- 42 C)

1. -------------------- is the mass of an object on the moon where its mass on earth is 12 Kg. ( 12Kg- 2Kg- 6Kg- 3 kg)
2. The idea of making thermometer depends on

( the change of gas volume by changing temperature- the change of liquid volume by changing temperature – the change of gas mass by changing temperature- the change of liquid mass by changing temperature|)

1. The medical thermometer is difficult is different from Celsius thermometer

(the type of matter present in bulb- the presence of constriction in capillary tube- the effect of changing temperature on the volume of the liquid)

1. All the following are used of the good heat conductors except the manufacturing of (cooking pans – handles of boilers – spoons- kettle).
2. The weight of an objects on the earth is 600 N so its weight on moon’s surface is ------------ N.( 6 – 60 – 100 – 10 ).
3. The best metal in conducting eat is ------------------ (Aluminum- Copper- Iron- Wood).
4. Photosynthesis process in the plant depends on the presence of ------------------gas

(Oxygen- Nitrogen- Carbon dioxide- Ozone).

1. If the weight of a body is 20 N, its mass equals (2Kg- 20 Kg- 200 Kg- 2000Kg).
2. The gas which is used with acetylene in welding metals is (Oxygen- Nitrogen – Hydrogen – Carbon dioxide).
3. The degree of hotness and coldness of a body is called (temperature- heat- insulator – good conductor).
4. Iron oxide is formed as a result of combination between ( iron & hydrogen- Iron& oxygen- Iron & nitrogen – Iron and carbon dioxide ).

**Write the scientific term**

1. The device that is used to measure the human body temperature (------------------)
2. The device used in measuring the gravitational force an object. ( --------------------)
3. A type of scales that is used to measure gold and chemicals. (-------------------------)
4. Materials that are used in making cooking pots and kettles. (-------------------------)
5. The liquid used in sterilizing the medical thermometer. (--------------------------)
6. The amount of matter in an object.(--------------------------).
7. The liquid metal that is good conductor of heat and used in making thermometer. (--------------------).
8. Weight/10. (------------------------------)
9. Materials that let heat flow through. (----------------------------)
10. The degree of hotness or coldness of the body. (---------------------------).
11. A form of energy that transfers from higher temperature object to lower temperature object (--------------------------)
12. Materials that don’t allow heat to flow through. (--------------------------)
13. The measuring unit of weight that equals the weight of an object whose mass is 100gm. (------------------------)
14. The part of the medical thermometer that prevents mercury from going back to the bulb. (-------------------------)

**Give reason for**

1. In the medical thermometer, there is constriction above the mercury bulb.

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1. The gravitational force on the moon’s surface is less than that on the earth surface.

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1. Aluminum is used in making cooking pans.

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1. The handle of iron is made of plastic.

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1. Your weight on the ground is greater that your weight in a flying plane.

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1. Mercury is the suitable liquid to be used in making the thermometer.

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1. The medical thermometer is damaged when it is put in boiling water.

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1. The air is used in making insulating glass windows.

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1. We have to shake the thermometer before and after usage.

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1. Mass of 1 Kg of copper= Mass of 1 Kg of feathers.

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1. Copper, Iron, and Aluminum are good conductors of heat.

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