Class: 6 (Six)

(Students Promoted from Cl.5 to Cl.6 or New Admissions)

Holiday Assignment -5

(Holiday Assignments to be solved on loose sheet of paper. Mention student's name, class, registration number, subject and assignment number on top of paper. Students can also use school copy if available with them). **Students can take help of Google search engine for answers.**

1) Answer the following questions:

a. What is the difference between clinical thermometer and laboratory thermometer?

b. Mention three advantages of using mercury in thermometers.

c. What are the advantages of SI units over other units of measurements?

d. What are the different types of forces? Give an example3 of each type of force.

e. Describe various effects of force.

f. A boat comes to rest if you stop rowing it. Name the force that makes the boat stop? Give two more examples of this type of force.

g. Draw a neat and labeled diagram of a clinical thermometer.

2) Solve the problems:

a. The length and breadth of your classroom are 9m and 7m respectively. Calculate the area of your classroom.

b. The height of a stack of 15 coins is 4.5cm calculate the thickness of one coin.

2) Fill in the blanks:

a. One decade is equal to _____ years.

b. A _____ is used for measuring the temperature of human body.

c. The SI unit of time is _____

d. The volume of a liquid can be measured by using a _____

e. Units of area, volume and density are called _____ units.

f. Units of area and speed are called _____ units.

g. In CGS system , length is measured in _____

h. 1Km is = _____m.

i. Force is a _____ or a _____

j. A force can change the _____ and the _____ of motion of a moving object.

3) Write True or False:

a. The unit of area is derived from the unit of length.

b. The full name of a unit should always start with a capital letter.

c. Cubit is the reliable method for measuring length.

d. The upper fixed point of a clinical thermometer is 42^0 C.

e. In a 24 hour clock 3 am will be shown as 15:00 hours.

f. Mercury has a very low boiling point.

g. 00:00 hours are the same as 24:00 hours.

h. The force exerted on an object may make it move in the direction in which the force is applied.
i. Mechanical force is non contact force.
j. Friction occurs when two object are in contact with each other.

4) Match the following:

a. State of rest or motion   1. Opposite motion
b. Electrostatic force   2. Muscular force
c. Rickshaw puller   3. Force between charges
d. Force of friction   4. Is relative
e. 1 litre   5. 1xbxh
f. 1quintal   6. $10000m^2$
g. Volume of a cuboid   7. 1000 milliliter
h. Area of a rectangle   8. 1xb

5) Write the SI units and symbol of the following physical quantities:

a. Mass
b. Length
c. Area
d. Volume
e. Temperature

6) Choose the correct answer:

a. The normal body temperature is: i. $37^0 C$ ii. 35^0C iii. 42^0C
b. The SI unit of temperature is: i. Fahrenheit   ii. Kelvin   iii. Celsius
c. Which of the following cannot be measured by a spring balance? i. force   ii. Weight   iii. Mass
d. Which of the following is not a contact force? i. frictional force ii. Muscular force iii. Mechanical force
e. What is the force exerted by each and every object in the universe on other object called?
 i. magnetic   ii. Frictional   iii. Gravitational