CLASS -VIII   **TIME :- 40 MIN**
09.11.14   **M M : 20**

GENERAL INSTRUCTIONS :-
1. Questions 1 to 4 are multiple choice questions - 1 mark each.
2. Questions 5 to 7 are very short answer type questions -1 mark each.
3. Questions 8 to 11 are short answer type questions - 2 marks each.
4. Question no. 12 is a long answer type question - 5 marks.

Q. **Choose the most appropriate answer**.   1x4 = 4

1. An example of contact force is

   a) a car moving on the road   b) a ball dropped from the top of a building

   c) CD attracting bits of paper   d) a magnet attracting iron nails

2 .What is the value of atmospheric pressure at sea level ?

   a) 760 cm column of mercury   b) 76 mm column of mercury

   c) 176 cm column of mercury   d) 76 cm column of mercury

3. Which of these is not a secondary sexual character ?

   a) increase in height   b) release of estrogen   c) voice change   d) hair growth on body

4 .The characteristics of force are :-

   a) Speed & distance   b) magnitude & direction   c) area & pressure   d) all of these

5.**Name the following** :-   1x3 = 3

   a) The friction involved in dragging a large log of wood.

   b) What marks the end of reproductive phase of a woman ?.

6. In frogs ,which important process is affected if sufficient iodine is not present in water? Why?

7.What are endocrine glands? (2 points)

8.Give examples or situations where friction is a) increased   b) decreased   (2 points each)   2 x4 = 8

9. Draw a figure to show sex determination in humans.

10 .Given below are situations that could result due to lack of a certain hormone. Identify the hormone
    & the gland which secretes it :-

   a) Blood sugar level remains high, increased thirst, person feels exhausted & hungry quite often.

   b) A person has excessively tall stature with exceptionally long limbs.

11.   a) Why do mountaineers suffer from nose bleeding at high altitudes?

     b) What will happen if the ovum is not fertilized?

12. a) A tin weighing 8N rest on the table top of dimensions 10 cm x 10 cm. Calculate the pressure
       exerted by the tin on the table.   5 x 1= 5

    b) How does liquid pressure vary with depth? Draw diagram to support your answer.