

Grade- VII

Name of the Student: _____ Grade/Sec: _____ Branch _____

PHYSICS

- 1) The basic unit of speed?
- 2) What are the ancient time measuring devices?
- 3) The meters that used to measure the speed and distance of a vehicle.
- 4) Explain the types of motion? Explain neatly by giving examples related to your daily life
- 5) Convert 54km/hr into m/s.
- 6) Guess:
 - a) The to and fro motion of a simple pendulum
 - b) The metallic ball in the simple pendulum
 - c) One billionth of a second.
- 7) Fill in the Blanks
 - a) An instrument showing the time by the shadow of a pointer cast by the sun on to a graduated plate is called_____
 - b) Time taken by a pendulum to complete one oscillation is called_____
 - c) When a body doesn't change its position with respect to its surroundings. It is said to be_____
- 8) Unscramble the given words.
 - a) UNELDPMU
 - b) RUINFMO
 - c) IIDOCEPR
 - d) SICATEDN
- 9) Which is the most common thing in almost all the clocks?
- 10) Briefly explain how you will decide that which objects is moving fast and which is moving slow.

- 11) If you did not have clock, how would you decide what time of the day is?
- 12) Determine the number of seconds there in a day.
- 13) A bus travels 360km/hr. Then estimate its speed in m/s.
- 14) Name the different types of graphs.
- 15) Differentiate uniform and non-uniform motion.

BIOLOGY

I. Fill in the blanks

1. The Contraction of the _____ pulls the bones during movements
2. The bones meet at place called _____
3. The knee allows movement in _____
4. The strongest and longest bone in the body is the _____
5. The last two last two ribs are free and are called _____

II. Answer the following questions

1. What is exoskeleton ?
2. What is locomotion?
3. How does a snail move?
4. What is ball and socket joint?
5. Why animals move?

III. Write movements in following

1.

- Snakes
- Cockroaches
- Earthworms

2.

Jumbled words

1. T N E M E V O M

2. S E H C A O R K C O C

3. S m R O w H T R A E

4. S L I A N S

5. S R O T A D E R P

IV. Answer the following questions

1. What would happen if backbone was made up of Single long bone?
2. Bones are hard structure but still we can move our hands, legs etc. comment?
3. What are functions of skeleton?
4. Write about ribcage?