

The Punjab School-DRC
Class 9th
Physics- Vacation Engaging Task

Answer the following short question.

1. Estimate your age in seconds.
2. What role SI units have played in the development of science?
3. What is meant by vernier constant?
4. What do you mean by zero error of measuring instruments?
5. Why is the use of zero error necessary in measuring instruments?
6. Why do you need to measure extremely small interval of time?
7. What is meant by significant figures of instruments?
8. How is the precision related to the significant figures in a measured quantity?
9. How the prefixes micro, nano and pico do related to each other?
10. Your hair grow at the rate of 1mm per day. Find their growth rate in nms^{-1} .
11. Find the zero error of screw gauge.
12. Define physical quantities.
13. Define any three branches of physics.
14. Define base units and derived units with example.
15. What is scientific notation form?
16. What is kinematics? Explain with real life examples.
17. Which body is said to be in rest?
18. Differentiate b/w circular and rotatory motion.
19. Differentiate scalar and vector quantities.
20. Can a moving body with a constant speed have acceleration?