

1. Question Number IOT technology is a technology in which devices will allow us to sense and control the physical world by making objects smarter and connecting them through an intelligent network. End of solution.

2. Question number The second law of motion gives us a method to measure the force acting on an object as a product of its mass and acceleration. While catching a fast moving cricket ball, a fielder in the ground gradually pulls his hands backwards with the moving ball. Thus the rate of change of momentum of the ball will be large. End of solution.

3 Question ~~number~~ number Cross breeding is the process of breeding with the intention to create offspring that share the traits of both parent lineages or to produce an animal with hybrid (the improved or increased function of any biological quality in a hybrid offspring). End of solution.

4 Question number Tides are the rise and fall caused by the combined effects of the gravitational forces exerted by the moon and the sun. and the rotation of the earth.