

EMMANUEL MISSION SR SEC SCHOOL, BEAWAR
ONLINE CLASSES
DAY 39 (08.10.2020)

SCIENCE MATHS (XI)

Physics: Kindly see below

Chemistry: <https://youtu.be/8-GA1MKIkNs>

Mathematics: <https://youtu.be/9HnyP7xMJFY>

Physical Education: <https://youtu.be/cTBHh8tStMo>

Computer Science: <https://youtu.be/NPdX8brgask>

SCIENCE BIOLOGY (XI)

Physics: Kindly see below

Chemistry: <https://youtu.be/8-GA1MKIkNs>

Biology: <https://youtu.be/to8PIuvzzwQ>

Physical Education: <https://youtu.be/cTBHh8tStMo>

Computer Science: <https://youtu.be/NPdX8brgask>

COMMERCE (XI)

Accountancy: <https://youtu.be/w7HTnJpeEKI>

Business Studies: <https://youtu.be/7zCZAEdlHj8>

Economics: <https://youtu.be/ZkbjpKxCkr8>

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PHYSICS

CLASS - XI

Self Assessment : Chapter - 3

1. The distance x of a particle moving in one dimension, under the action of a constant force is related to time t by equation

$$t = \sqrt{x} + 3$$

where x is in metres and t in seconds. Find the displacement of the particle when its velocity is zero.

2. A motor car starts from rest and accelerates uniformly for 10 s to a velocity of 30 ms^{-1} , it then runs at a constant speed and is finally brought to rest in 80 m with a constant retardation. Total distance covered is 830m . find the value of acceleration, retardation and total time taken.
3. A body travels a distance of 2 m in 2 second and 2.2 m in next 4 seconds. What will be the velocity of the body at the end of 7th second from the start?
4. From the top of a tower 100 m in height a ball is dropped and at the same time another ball is projected vertically upwards from the ground with a velocity of 25 ms^{-1} . Find when and where the two balls will meet.
5. A stone is dropped from a stationary hot air balloon in the air and travels 14.7 m in the last second before it hits the ground. Find the height of the balloon from the ground.