

## CLASS -9 SUBJECT -PHYSICS DATE 30. 5.2020 PAWAN KR.

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### LEARNING MATERIALS

### SOLUTION OF PREVIOUS QUESTIONS

### CHAPTER (FORCES AND LAWS OF MOTION)

#### 1 .MATCH THE FOLLOWING :

- |                              |            |
|------------------------------|------------|
| I) 1 kg wt.                  | A) 1N      |
| II) $10^3 \times 10^2$ dyne. | B) 1000 kg |
| III) 1 metric ton.           | C) 100 kg  |
| IV) 1 quintal.               | D) 9.8 N   |

Ans. I) D. II) A III) B IV) C

#### 2.MATCH THE FOLLOWING FOR MULTIPLE ANSWERS:

- |                                 |                        |
|---------------------------------|------------------------|
| I) Galileo's Law of Inertia.    | A) Newton's second law |
| II) rate of change of momentum. | B) Newton's first law  |
| III) Action-reaction pair.      | C) Newton's third Law. |
| IV) Definition of force         |                        |
| V) $F=ma$                       |                        |

Ans I) B II) A III) C IV) B v) A

#### 3 .what is a head -on collision ?

Ans. A head- on- collision is one in which the colliding bodies before and after collision move along the same straight line.

#### 4.what is a system ?

Ans. A system is a body or a set of bodies under consideration.

5. An apple falls towards the Earth due to the attraction of the earth. Does apple also attract the earth?

Ans. Yes, apple also attract the earth.