

CLASS -9 SUBJECT -PHYSICS DATE 28.5.2020 PAWAN KR.

HOMEWORK

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 |

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) $F=ma$ | |

3 .what is a head -on collision ?

4.what is a system ?

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