



RAMAGYA SCHOOL, NOIDA
VIII/SCIENCE/2018-19
OLYMPIAD PRACTICE WORKSHEET

- 1) At sea level, vertical height of water column would be
a) 13.45 m b) 10.34 m c) 11.25 m d) 12.36 m
- 2) At a height of about 30 km, the atmospheric pressure becomes
a) 1200 Pa b) 1000 Pa c) 1300 Pa d) 1500 Pa
- 3) The bubble is stable because the atmospheric pressure inside and outside is
a) equal b) different c) immeasurable d) none of above
- 4) The density of mercury is
a) 13.6 times of water b) 12 times of water
c) 10 times of water d) 20 times of water
- 5) The Earth is surrounded by a cover of air called
a) gravity b) energy c) ozone d) atmosphere
- 6) Which force is being applied by a vendor when he is pushing the pushcart?
a) Muscular force b) Magnetic force c) Friction d) Electrostatic force
- 7) What will happen to the speed of a car when the driver applies brakes?
a) Speed increases b) Speed decreases
c) No change in speed d) Change in direction
- 8) Which force always opposes motion?
a) Magnetic force b) Electrostatic force c) Friction d) Muscular force
- 9) When your friend pushes your bike from behind, what will happen to the speed of the bike?
a) Speed decreases b) Speed increases c) No change d) Any of the above
- 10) Which of the following possess gravitation?
a) Earth b) Venus c) Saturn d) All of the above
- 11) How much weight of air is always over your head?
a) 1000 kg b) 100 kg c) 10 kg d) 1 kg
- 12) Which force causes a charged balloon to attract another balloon?
a) Muscular force b) Electrostatic force
c) Magnetic force d) Gravitational force

13) A dropper to fill ink works because of which of the following?

- a) Friction
- b) Magnetic force
- c) Air pressure
- d) Electrostatic force

14) What is the SI unit of force?

- a) Newton
- b) Galileo
- c) Einstein
- d) Faraday

15) The strength of force is expressed by

- a) weight
- b) mass
- c) magnitude
- d) longitudinal force

16) The force between two charged bodies is called

- a) muscular force
- b) gravitational force
- c) magnetic force
- d) electrostatic force

17) When two forces act in opposite directions, then net force acting two force

- a) sum of two factors
- b) difference between two factors
- c) both of these
- d) none of these

18) Magnetic force is

- a) contact force
- b) non-contact force
- c) both a and b
- d) none of these

19) Force acts on an object may change

- a) direction
- b) shape
- c) speed
- d) all of above

20) Leaves or fruits fall on the ground due to

- a) magnetic force
- b) gravitational force
- c) electrostatic force
- d) muscular force