

BHARATH COACHING CENTRE

8thCBSE

Science

Total: 50

Friction

Time: 1.30 hrs

SECTION – A

5 X 1 = 5

- Which of the following is not a lubricant?
a) Oil b) Grease c) Water d) Graphite
- Force of friction in smooth surfaces will be
a) Low b) High c) moderate d) Extreme
- Friction is a type of _____ force.
a) Contact b) non-contact c) gravitational d) nuclear
- Friction produces
a) Light b) alpha rays c) gamma rays d) heat
- Friction always _____ motion.
a) Oppose b) Support c) Both A and B d) None

SECTION – B

5 X 2 = 10

- What is force of friction and explain its cause?
- Why do luggage's are fixed with wheels?
- List out the uses of lubricants.
- Name the various types of frictions.
- Why are worn out tires discarded?

SECTION – c

7 X 5 = 35

- Differentiate between sliding friction and rolling friction.
- What are the causes of friction? Explain.
- Example increasing and decreasing friction with example.
- What do you mean by fluid friction?
- What are the advantages and disadvantages of friction?
- Why do kabaddi players rub their skin with soil? Explain in detail.
- When a writing desk is tilted downwards explain the forces acting on objects over the desk using diagrams.