

1) Two students are standing on a cross road with four paths. Path A is laid with polished marble, path B with brick surface, path C with loose soil, path D with sand, on rainy day which path should they choose to avoid slipping —

(a) Path A (b) Path B (c) Path C (d) Path D.

2) Which friction is maximum →

(a) Sliding (b) Limiting (c) Rolling (d) Static.

3) The force of friction between two objects at rest is called _____.

4) T/F $2 \times 1 = 2\text{M}$

a) More streamlined the shape of an object, greater is fluid friction.

b) Rolling friction is more than the sliding friction.

5) Why is friction referred to as a necessary evil? 3

6) What is fluid friction. How can you reduce drag on an object moving through air? (1+2)

7) Discuss what would happen if there was no friction at all. (2)

8) How is heat produced by friction both an advantage and a disadvantage? (2)