

**GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ**

**SESSION 2020 – 2021**

**CLASS 8(A, B, C, D, E)**

**SUBJECT – PHYSICS**

**ASSIGNMENT-2**

**CHAPTER- FORCE AND PRESSURE**

**Instructions for the E- Learn assignment:** The parents to ensure that their ward watches the video instructions for this assignment by clicking on the given link: [https://youtu.be/dN5L\\_jn\\_71E](https://youtu.be/dN5L_jn_71E) She should revise the lesson given in the book and then work on the assignment. The completed assignment is to be downloaded and filed/ pasted in the subject file/ copy and kept ready for submission. The day,date and procedure of submission shall be notified later.

**Q1. Fill in the blanks:**

- a. The SI unit of force is .....
- b. The moment of force is also called .....
- c. The fixed point about which a body rotates is called the .....
- d. A clockwise moment is taken to be.....

**Q2. State true or false:**

- a. The handles of doors and windows can be fitted anywhere.
- b. The long arm of the spanner decreases the moment of force applied.
- c. The rotation of a body depends upon the point of application of force.

- d. If the line of action of force passes through the pivot, the body cannot be rotated.

**Q3. Answer in short:**

- a. State the principle of moments.
- b. Define moment arm and the moment of force.
- c. What are positive and negative moments?

**Q4. Answer in detail:**

- a. Why the handles of doors and windows are fitted opposite to the hinge?

**END**