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WORKSHEET – II

PHYSICS ( VIII)

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| Q 1 | How does the pressure of a liquid depends on its depth? Draw a labelled diagram to show that the pressure of liquid depends on its depth. | 3 |
| Q 2 | Explain why, atmospheric pressure decreases as we go higher up above the earth’s surface. | 2 |
| Q 3 | Why are our bodies not crushed by the large pressure exerted by the atmosphere? | 2 |
| Q 4 | What is meant by atmospheric pressure? What is the cause of atmospheric pressure? | 3 |
| Q 5 | What is drag? Give two examples of drag force. | 2 |
| Q 6 | Explain why, objects moving in fluids should have streamlined shape. | 2 |
| Q 7 | What is the cause of friction? Explain with the help of labelled diagram. | 3 |
| Q 8 | Write advantages and disadvantages of friction. | 5 |
| Q 9 | What is meant by lubrication? Why is it important? | 3 |
| Q 10 | How will you reduce friction between those machine parts which rub against each other? Give the simplest method. | 2 |
| Q 11 | What is the difference between static and sliding friction? For a given pair of objects, which of the two is greater? | 2 |
| Q 12 | You spill a bucket of soapy water on a marble floor accidently. Would it make easier or difficult for you to walk on the floor? Why ? | 2 |
| Q 13 | What kind of friction comes into play:1. When a block of wood kept on table moves slowly?
2. When a block of wood kept on table just tends to move or slip?
3. When a block of wood kept on cylindrical iron rods moves?
 | 3 |
| Q 14 | How can a very heavy machine be moved conveniently from one place to another in a factory? ( no crane is available for this purpose). | 2 |
| Q 15 | Friction is a necessary evil. Explain. | 1 |
| Q 16 | Why do gymnasts apply coarse material to their hands? |  |
| Q 17 | State one way in which the friction between wheel and its axle can be reduced. | 1 |
| Q 18 | Explain why, it is easier to drag a mat on floor when nobody is sitting on it but much more difficult to drag the same mat when a person is sitting on it. | 2 |
| Q 19 | Suppose your writing desk is tilted a little. A book kept on it starts sliding down. Show the direction of frictional force acting on it by diagram. | 2 |
| Q 20 | Give examples to show that friction is both a friend and foe. | 1 |