

**INDIAN SCHOOL MUSCAT**

**DEPARTMENT OF SCIENCE**

<b>SUBJECT: SCIENCE</b>	<b>CLASS: V</b>
<b>TOPIC: SIMPLE MACHINES</b>	<b>DATE OF ISSUE: 07/ 12/ 2017</b>

Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No: \_\_\_\_\_

**Q 1 Name the following:**

- a) A winding mountain road is an example of -----
- b) A machine containing many simple machines. -----
- c) A rod free to rotate about a fixed point. -----
- d) The force applied to move a load. -----
- e) Two second class levers. -----
- f) Two third class levers.-----
- g) The lever in which the fulcrum is between the load and the effort. -----  
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- h) The winding edge of a screw. -----

**Q 2 Answer the following:**

- a) Less force is needed to insert a screw into wood than a nail. Why?

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**b) Many hospitals, supermarkets and public places have ramps. Why?**

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**c) Draw a labelled diagram for second class lever. Give two examples.**

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**d) The winding edge of a screw is an inclined plane. Justify**

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**e) Define Load, Fulcrum Effort and Lever.**

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**f) Write two uses of pulleys.**

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**g) Winding mountain road is an example of an inclined plane. Explain.**

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