

KENDRIYA VIDYALAYA BEML NAGAR K G F-563115

SUBJECT: PHYSICS

CLASS & SECTIONS: IX A, B & C

WINTER BREAK HOME WORK DECEMBER -2017

DO THE FOLLOWING EXERCISES:-

- 1. What are the differences between the mass of an object and its weight?**
 - 2. (i) State Archimedes principle.**
(ii) What are the applications of Archimedes principle?
 - 3. Define the following terms and also give their S I units.**
(i) Work (ii) Pressure (iii) Thrust
 - 4. List out the differences between 'g' and 'G'.**
 - 5. What do you mean by buoyant force?**
 - 6. An object weighs 18 Newtons when measured on the surface of the earth. What would be its weight when measured on the surface of the moon?**
 - 7. Why does an object float or sink when placed on the surface of water?**
 - 8. Define one joule of work.**
 - 9. Why is it difficult to hold a school bag having a strap made of a thin and strong string?**
 - 10. Learn portions covered from April 2017 to Dec 2017 for your third periodic test.**
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