



## WEEKLY HOME STUDY PACKAGE - WEEK 2 (12/07/21 – 16/07/21)

### Year 12 Applied Technology

Total 6 Marks

#### Solution

- 1) Define the term viscosity? (1 Mark)  
Oil's viscosity is its resistance to flow. The thicker a lubricating oil or grease is, the higher its viscosity number.
- 2) How are two stroke engines cooled? (1 Mark)  
Metal fins around the outside of the combustion chamber help dissipate the internal heat.
- 3) What is friction? (1 Mark)  
Friction is resistance that occurs when one surface rubs against another.
- 4) Differentiate between friction bearing and non- friction bearing? (2 Marks)  
A friction bearing relies on lubricants to minimize friction. A non-friction bearing uses hard steel rollers or balls to prevent wear, though it too requires some lubrication.
- 5) What is a filter? (1 Mark)  
filters remove contaminants from the circulating oil.