**S6 PHYSICS QUIZ 1 /10 marks**

1. Define a wave. **/1mark**
2. Define a sound wave. **/1mark**
3. Differentiate the categories of sound waves based on the frequency ranges. **/3marks**
4. **C**an a sound wave travel in vacuum? **/1mark**
5. When calculating the speed of sound in air at a given temperature, what is the temperature scale being used? **/1mark**
6. Find the speed of sound in air at 270C if the sound speed in air at 00C is 330 m/s. **/3marks**