**Bonding and Periodicity – Homework 2**

**1.**

(a) Describe the bonding that is present in metals.

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(3)

(b) Explain how the bonding and structure lead to the typical metallic properties of electrical conductivity and malleability.

*Electrical conductivity* .....................................................................................

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*Malleability*.......................................................................................................

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(4)

(c) Suggest a reason why aluminium is a better conductor of electricity than magnesium.

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(2)

(Total 9 marks)

**........... Out of 9 (Grade )**