



Part II (110 Marks)

Structured questions (please provide the answer within the given space only)

1. "Type of bonding in minerals determines the physical properties of minerals". Fill in the blanks in the following table to support the above statement. (12 marks)

Property	Bond Type			
	Ionic	Covalent	Metallic	Van der Waals
Bond strength				
Electrical				
Thermal (melting point)				

2. Define the following terms (8 marks)

a. Crystalline Structure

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b. Mineraloid

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c. Unit Cell

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d. Atomic Packing Fraction

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