



THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

Q.1. Answer the following short questions. (15x2=30)

- i. What are electromagnetic radiations?
- ii. Name two ores of iron.
- iii. What is difference between mineral and ore?
- iv. What is peptide linkage?
- v. What are polysaccharides? Give two examples.
- vi. What is Lambert Beer Law?
- vii. What is molecular spectroscopy?
- viii. What is pig iron?
- ix. How does copper occur in nature?
- x. What raw material is required for sugar industry?
- xi. What is annealing process?
- xii. What is difference between IR & FTIR spectroscopy?
- xiii. Give four examples of lipids
- xiv. What is the functional group in urea?
- xv. Define the term metallurgy?

Q.2. Answer the following questions (3x10=30)

- i. What is glass? Describe its manufacturing process in detail.
- ii. What is principle of flame emission spectroscopy? Discuss its working and applications?
- iii. What are Carbohydrates? Discuss their different types with examples.