EXERCISE

1. **Smelting:** The process in which metals are extracted from their ores by heating beyond the melting point
2. **Wrought iron:** A purer form of iron, as carbon has been removed from it
3. **Information Technology:** The technology of storage, processing and distribution of information
4. **Hardware:** Computer parts or machines
5. **Software:** A programme which can be used in the hardware

Q.1 STATE TRUE OR FALSE

1. The pure melted iron in the blast furnace is called steel.
2. Computer is the most important factor in the growth of IT industry
3. Pittsburgh in USA is the largest producer of steel even today
4. Raw cotton is readily available in the surrounding areas of Osaka in Japan
5. Ahmedabad is located along the Sabarmati river in Gujarat
6. Bengaluru is called the Valley of Heart's Delight.

Q.2 FILL IN THE BLANKS

1. As the carbon contents increase, the hardness of steel_____.
2. The old name of Jamshedpur, in Jharkhand, was_____.
3. Pittsburgh, the steel town, is located in the_____ state in USA.
4. The mass production of cotton textile first started in_____.
5. The growth of information technology industry is due to the_____.

Q.3 CHOOSE THE CORRECT ANSWER

1. Which one of the following is not a natural fibre?
   (a) Cotton   (b) Rayon   (c) Jute

2. Information technology is known as the
   (a) Sunrise industry   (b) Highrise industry
   (c) Silicon industry

3. Which of the following is not associated with computer industry in India ?
   (a) Software   (b) Hardware
   (c) Mass media

4. Which place was known as the 'Valley of Heart's Delight' ?
   (a) Silent Valley   (b) Silicon Valley
   (c) California Valley

5. The Pittsburgh steel plants received iron ore from
   (a) Mesabi ranges   (b) Appalachians
   (c) Detroit

6. Which city is known as the 'Manchester of India' ?
   (a) Mumbai   (b) Nagpur
   (c) Ahmedabad

Q.4 GIVE REASONS FOR THE FOLLOWING

1. The iron and steel industry is considered as the basic industry.

2. The textile mills were initially located in Maharashtra and Gujarat.

3. The Information technology industry is the knowledge-based industry.

4. The development of industries helps in the growth of human life.

Q.5 ANSWER THE FOLLOWING QUESTIONS

1. Why is Bangaluru known as the Silicon Valley of India ?

2. Why is the location of iron and steel industry shifting towards the coastal areas ?

3. Describe the importance of Pittsburgh as a steel centre in USA

4. Explain the geographical advantages enjoyed by Mumbai for the initial location of cotton texile industry.

5. Describe the location of Silicon Valley in USA

6. Compare the locational advantages of Jamshedpur and Pittsburgh for the iron and steel industry.

7. What is the role of Stanford University in the development and growth of IT industry in the Silicon Valley in USA ?

8. Name the geographical advantages enjoyed by Ahmedabad and Osaka for the location of cotton textile industry.