Q. 1 Answer any four of the following questions:
   (i) Explain any two types of files in a file management system.
   (ii) What is a function in Excel? Give examples of different functions.
   (iii) Explain any four operators in MS Excel.
   (iv) Explain data warehouse and networked databases.
   (v) Give any two advantages of direct file organization.
   (vi) Explain data integration with example.

Q2. Answer any four of the following questions:
   (i) What is a database? What can databases do?
   (ii) Give any two applications of data analytics.
   (iii) Explain the following database statements with examples: CREATE and DROP.
   (iv) What is big data? Give any two applications of big data.
   (v) Explain any two reasons why data quality is important.
   (vi) Explain the four main elements of DBMS.

Q3. Answer any one of the following questions:
   (i) Explain indexed sequential file organization with neat and labeled diagram.
   OR
   (i) Explain the three different management levels in an organization with a neat diagram.

Q4. Answer any one of the following questions:
   (i) Explain the following spreadsheet concepts with examples: range, function, absolute reference.
   OR
   (i) Explain the following spreadsheet concepts with examples: cell, autofill, formula.

Q5. Answer any one of the following questions:
   (i) Explain the different data types in MS Access.
   OR
   (i) Draw an Entity Relationship diagram for a library management system.

Q6. Answer any one of the following questions:
   (i) Explain Business analytics. Explain various applications of business analytics.
   OR
   (i) Explain the data mining process in detail with a neat diagram.