1. Briefly describe the different E-Commerce business models based on classification using (a) revenue models (b) relationship between transaction parties. Mention one example each. [10+10=20]

2. Design an E-Commerce application for either a book selling business OR a local procurement process. You must specify in detail the type of E-Commerce business model used, how the E-Commerce business solves some of the existing problems, database design as well as screen/form specifications along with flow of business process. [20]

3. Briefly explain any two modes of operation of DES. Explain the principle of Diffie-Hellman key exchange protocol with the help of an example (which may be trivial but complete). [8+12=20]