

**School of Information Technology
IIT Kharagpur**

Course Id: IT60104 Electronic Commerce Technology (Mid Semester Examination)

Date: February 21, 2011

Total Time: 2 Hours

Max. Marks: 60

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]**