

Time : 03 hrs.

Marks : 80

**Note : Question No 1 is compulsory.
Attempt any 3 questions from remaining.
Assume suitable data whenever necessary.**

- Q1. You are appointed as developer of e-commerce website for Online Education Portal. Design and develop website to promote the same. 20
- Q2 A) Define e commerce and explain its different types with examples. 10
B) Explain E commerce Trade cycle with example. 10
- Q3 A) Explain various session management techniques in e- commerce. 10
B) Write short note on middleware technologies. 10
- Q4 A) Explain security aspects of E-commerce. 10
B) Discuss SET protocol architecture with diagram. 10
- Q5 A) Explain characteristics of Internet Payment System. 10
B) What is value chain process in E-commerce? Discuss with diagram. 10
- Q6 A) Explain critical elements of E-business. 10
B) Write short note on EDI. 10
-