**Table 1. A layered architecture of e-commerce systems.**

**Application layer**

• C2B e-commerce

• B2B e-commerce

• C2C e-commerce

• C2G e-commerce

**Middleman services layer**

• Value-added networks

• Digital signature certifying authority

• Electronic payment schemes

• Electronic cash

• Hosting services

**Messaging layer**

• Digital encryption standard

• Advanced encryption standard

• Public key encryption

• Digital signature

• Electronic data interchange

**Network services layer**

• E-mail

• World wide web services; browsers

• Hyper-text transfer protocol: http

• Hypertext markup language: html

• Extensible markup language: XML

• Search engines

• Software agents

**Logical layer**

• Internet

• Intranet

• Extranet

• Firewalls

**Physical layer**

• Local area networks

• Public switched telephone networks

• Private communication networks

• Optical fibre and coaxial cable networks

• Routers

• Satellite-based networks

• Cellular networks

***Which e-business model allows consumers to name their own price for products and services ?***

(A) B2B (B) B2G (C) C2C (D) C2B(yes)

***\_\_\_\_\_\_\_\_\_\_ model is designed to bring prices down by increasing the number of customers who buy a particular product at once.***

(A) Economic Order Quantity (B) Inventory

(C) Data Mining (D) Demand-Sensitive Pricing(yes)

***Consider the following statements S1 and S2 :***

***S1 : A hard handover is one in which the channel in the source cell is retained and used for a while in parallel with the channel in the target cell.***

***S2 : A soft handover is one in which the channel in the source cell is released and only***

then the channel in the target cell is engaged.

(A) S1 is true and S2 is not true. (B) S1 is not true and S2 is true.

(C) Both S1 and S2 are true. (D) Both S1 and S2 are not true.(yes)

***The \_\_\_\_\_\_ is a set of standards that defines how a dynamic web document should be written, how input data should be supplied to the program, and how the output result should be used.***

(A) Hyper Text Markup Language(B) File Transfer Protocol

(C) Hyper Text Transfer Protocol(D) Common Gateway Interface(YES)

**LPP:-**

The Duality in Linear Programming states that every linear programming problem has another linear programming problem related to it and thus can be derived from it. The original linear programming problem is called “Primal,” while the derived linear problem is called “Dual.”

***In LPP Dual of the dual is***

1) Dual 2) Alternative 3) Prima(YES)

4) Optimal