08/12/2021

Control Assessment : MIS MERISE

Time allowed : 2hrs

NB : No document allowed

Class : BA2

Questions

1- What are the 3 sub-systems of an IS ? what are their roles in an IS ? 3mks
2- State the 4 types of IS. 2mks
3- Give the difference between Information system and computer sytem 2mk

Case study 1 6mks

Draw the CMT of the following description

When a customer arrives at the store, he Is received by a salesperson. The seller must check the availability in stock and the price range of the desire item. He also negociates the sale price with the customer in the limit of the range. If the item is available and there is agreement on the price, the seller Issues a duplicate invoice. At the same time, a clearance order Is send to the warehouse. The destoked commodity will wait for the customer at the « pick up » service. If the stock is insufficient to carry out the sale, a replenishment request is sent to the warehouse for transmission to the central purchasing office. If there is no agreement on the price between the seller and the buyer, there is no sale. The customer with Invoice must go to the cash desk to pay. After payment, the cashier affixes a' stamp on the invoice to certify the payement. With his invoice, the customer goes to the « collection » service to receive the goods in exchange for the duplicate of the apid invoice. Sometimes some customers do not show up at the checkout. In the evening, the goods removed from the storage and not delivered to customers must be restocked. At the end of the month, th fund stops sales. The amount of turnover per seller is calculated and then sent to the personnel department responsible for the payroll. The turnover is calculated only on the Invoice paid by customers.

Case study 2 7mks

We want to create a web application for the management of eight hotels. Each hotel is characterized by its name, address, Telephone and a unique code. Each hotel contains about 80 rooms; one room is characterized by its number and a telephone number. These hotels are considered to be classified into 4 kategories or classes: number of stars from one to five stars, and characteristics. Each hotel has a maximum of nine different room categories. A category is known by its Code (Category code) and a Description. This application consists of performing the following tasks:

- consultation of room availability for each reservation
- The recording of a reservation by a customer.
- Archiving and recording of reservations that were made more than 8 days before the client's arrival.
- The recording of various consumptions (Consumption N °, Consumption Date Hour Consumption) during a customer's stay.
- The establishment and registration of the invoice upon departure of the customer; This invoice includes the price of the room and the quantity of services consumed during the stay.

Task : Draw the CDM and derive the LDM