SPECIMEN PROJECTS IN ACCESS - 2007

PROJECT-1

Creation of a database for storing Accounting Transactions using MS-Access-2007. Consider the following accounting transactions

Date April, 2010	Transaction	Amount ₹
01	Commenced business with cash (Sandeep ₹ 5,00,000; Naveeen ₹ 4,00,000)	9,00,000
01	Cash deposited into Bank	4,00,000
02	(i) Goods purchased and payment made by Cheque No.: 765421	1,50,000
	(ii) Cheque No.: 765422 issued to M/s Nahar Transports for Carriage	3,000
	(iii) Rent for the month April 2010 paid by Cheque No.: 765423	9,000
03	Goods purchased for cash from M/s R.S. & sons	18,000
	Paid for Carriage to M/s Saini Transports	200
04	Goods sold to Kemp & Co.	1,75,000
05	Goods purchased from M/s Jay Ram Bros.	2,50,000
06	Sold goods for cash to M/s Kumbley & Co.	45,000
08	Paid for advertisement by Cheque No. : 765424 to M/s ABN cables	2,500
09	Received Bill of Exchange from Kemp & Co. payable after 3 months	1,75,000
10	Bill of Exchange received from Kemp & Co. discounted	1,71,500
12	Goods returned to Jay Ram Bros., being defective	10,000
15	Advance cash payment to salesman for marketing tour	10,000
17	Paid for Insurance of godown Cheque No. : 765425	5,500
18	Paid for Fuel, Power and Electricity	1,000
18	Salary paid in advance to Bimal	10,000
19	Accepted a Bill of exchange payable after four months in favour of Jay Ram Bros. in full settlement of account	2,35,000
21	Returns from M/s Kumbley & Co., settled by Cheque No.: 765427	5,000

23	Cash withdrawn by Sandeep for household expenses	20,000
25	Advance to salesman adjusted:	
	(i) Entertainment	4,500
	(ii) Travelling	2,200
	(iii) Boarding and lodging	3,500
27	Goods taken from stock for personal use by Sandeep	5,000
28	Furniture purchased from M/s S.N. Furniture by Cheque No.: 765428	45,000
29	A part of existing stock set aside for usage as office furniture	35,000
30	Salary for the month paid by cheques:	
	(i) Cheque no. : 765429 to Aditya	9,000
	(ii) Cheque no. : 765430 (1/4th of advance adjusted)	5,500
	(iii) Cheque no. : 765431 to Smith	6,000
	(iv) Cheque no. : 765432 to Sunil	5,000
30	Payment of Telephone bill by Cheque No.: 765433	1,500
30	Paid for wages by cash	7,000

Note: Provide the V-no (sequentially) and V-date (chronologically) to each accounting transaction.

Required:

1. Build the conceptual database design for following three tables : Account type table, Accounts table and vouchers table.

   a) Categorise the individual accounts and diagrammatically represent the chart of account.

Table-1: Account Type

Cat-id	Categories
1	Assets
2	Liabilities
3	Expenses
4	Capital
5	Revenues

b) Codify the individual accounts and represent the scheme of codification in the following format.

Table 2: Accounts

Code	Account Name	Account Type
The length of the code can be decided as per requirement	List all individual accounts appearing in the given accountancy transaction	Same as cat-id

c) Structure the data content in the following format:

Table 3: Vouchers Table

V. No.	Debit	Amount	V-date	Credit	Narration
Enter voucher number sequentially	Enter the codes of the account to be detailed	Enter the amount of transaction	Enter the voucher date	Enter the code of the account to be credited	State the narration

2. Implement the above conceptual design (Model) using MS-Access-2007.

PROJECT-2

Preparation of a Purchase Book. Carefully look at the following information.

Tables	Table Name	Fields in the Table
Table-1	Purchase Bill	Purchase voucher no, Purchase voucher, date, supplier code, quantity, rate, bill account, update.
Table-2	Supplier Master	Supplier code, Supplier name, Total purchase amount, total paid amount, outstanding amount.
Table-3	Purchase-Payment	Payment voucher no., Payment voucher, date, supplier code, amount paid, update.

Field Properties

Purchase voucher no.	Number	
Purchase voucher date	Date/time	
Supplier code	Number	
Quantity	Number	Table-1
Rate	Number	(Purchase Bill)
Bill Amount	Number	
Update	Yes/No.	
Supplier code	Number	
Supplier name	Text	
Total purchase amount	Number	Table-2
Total paid amount	Number	(Supplier Master)
Outstanding amount	Number	
Payment voucher no.	Number	Table-3
Payment voucher date	Date/Time	(Purchase payment)
Supplier code	Number	
Amount paid	Number	
Update	Yes/No.	

Indicating the Primary Key

Table-1	Purchase Voucher No.
Table-2	Supplier code
Table-3	Payment Voucher No.

Required :

1. Show the database design in terms of data tables and their inter-relationship.

2. Implement the design using Access 2007, updating the "Supplier Master Table" with every subsequent accounting transaction.

3. Create a Report "Purchases Book" in the following format.

<Report Name>   <Date and Time>

   Fields < Supplier code, Supplier name, total purchase amount,

      Total paid amount, outstanding amount>