Part C [10 points]

The following schemas describe relations in the sample database in CS:I.

- A) Movie (MovieId: key, Title, Genre, Rating)
- B) Customer (CustomerId: key, Name, Address, CreditCardNumber)
- C) Rents (CustomerId, MovieId, DateRented, DateDue)
- D) NEW ← SELECT from MOVIE where RATING = "PG"
- E) PGmovies ← PROJECT MovieId, Title from NEW
- F) TEMP1 ← JOIN CUSTOMER and RENTS where CUSTOMER.CustomerId = RENTS.CustomerId
- G) RENTALS ← PROJECT Name, Address, MovieId from TEMP1
- H) TEMP2 ← JOIN RENTALS and PGmovies
 where RENTALS.MovieId = PGmovies.MovieId
- I) PGrenters ← PROJECT Name, Address, Title from TEMP2

For each relation below, select its schema from the list above.

		_A		
	Movield	Title	Genre	Rating
	101	Sixth Sense, The	thriller, horror	PG-13
	102	Back to the Future	comedy adventure	PG
	1033	Monsters, Inc.	animation, comedy	G
	104	Field of Dreams	fantasy drama	PG
	105	Alien	sci-fi horror	
	107	X-Men	action, sci-fi	PG-13
	7442	Platoon	action drama war	R

I	I				
Name	Address	Title			
Dennis Cook	789 Main	Back to the Future			
Dennis Cook	789 Main	Field of Dreams			
Randy Wolf	12 Elm	Field of Dreams			
Randy Wolf	12 Elm	Back to the Future			

Part C [10 points]

E		
Movield	Title	
102	Back to the Future	
104	Field of Dreams	

Select one of the following terms to complete each of the following statements.

A) attribute	B) cardinality constraint
C) database	D) database engine
E) database management system	F) database model
G) Entity-relationship modeling	H) ER diagram
I) Join	J) key
K) physical database	L) Project
M) query	N) relation
O) relational model	P) schema
Q) Select	R) SQL
S) subschema	T) tuple

Place the appropriate **LETTER** in the blank.

1)	A(n) is a combination of software and data that includes a physical database, a database engine, and a schema.	E
2)	A record is also called a(n)	Т
3)	is a database operation to extract attributes from a relation.	L
4)	is a comprehensive database language for managing relational databases.	R
5)	In a(n) data and relationships are organized into tables.	0
6)	A(n) restricts the number of members in a relationship in Access.	В
7)	is a database operation to create a relationship.	I