1. Problem
1: Which column is the most appropriate to be a primary key in Customer table:

- ○ Address
- ○ Phone
- ◉ CustNo
- ○ CustName

✓ **Correct**

2. Problem 1: How many
columns are in the Customer table:

- ○ 7
- ○ 10
- ◉ 9
- ○ 8

✓ **Correct**

3. Problem 1: How many constraint types are in the problem 1 statement:

- ○ 3
- ○ 1
- ○ 4
- ◉ 2

✓ **Correct**

4. Problem 1: Which constraints are required in problem 1 statement

- ◉ Primary key and NOT NULL constraints
- ○ Check and NOT NULL constraints
- ○ Primary key and Foreign key constraints
- ○ Foreign key and NOT NULL constraints

✓ **Correct**

5. Problem 1: Which of
the followings is the most appropriate data type for address column:

- ○ INTEGER
- ◉ VARCHAR2
- ○ DECIMAL
- ○ DATE

✓ **Correct**

6. Problem 2: Which
column is the most appropriate to be a primary key in Facility table:

- ○ FacName
- ○ CustNo
- ◉ FacNo
- ○ No need for Primary key in this table

✓ **Correct**

7. Problem 2: How many columns are in the Facility table:

- ○ 4
- ○ 3
- ◉ 2
- ○ 1

Correct

8. Problem 2: How many constraint types are in the problem 2 statement:

- ○ 1
- ○ 3
- ○ 4
- ◉ 2

Correct

9. Problem 2: Which constraints are required in problem 2 statement

- ○ Foreign key and NOT NULL constraints
- ○ Check and NOT NULL constraints
- ○ Primary key and Foreign key constraints
- ◉ Primary key and NOT NULL constraints

✓ **Correct**

10. Problem 2: Which of the followings is the most appropriate data type for FacName column:

- ◉ VARCHAR2
- ○ DECIMAL
- ○ INTEGER
- ○ BOOLEAN

✓ **Correct**

11. Problem 3: Which
column is the most appropriate to be a primary key in Location table:

- ○ LocName
- ◉ LocNo
- ○ FacNo
- ○ Location

✓ **Correct**

12. Problem 3: How many
columns are in the Location table:

- ○ 1
- ○ 4
- ◉ 3
- ○ 2

✓ **Correct**

13. Problem 3: How many constraint types are in the problem 3 statement:

- ○ 4
- ○ 1
- ○ 3
- ◉ 2

✓ **Correct**

14. Problem 3: Which constraints are required in problem 3 statement

- ○ Foreign key and NOT NULL constraints
- ○ Primary key and Foreign key constraints
- ◉ Primary key and NOT NULL constraints
- ○ Check and NOT NULL constraints

✓ **Correct**

15. Problem 3: Which of
the followings is the most appropriate data type for LocNAme column:

- ○ INTEGER
- ○ BOOLEAN
- ◉ VARCHAR2
- ○ FLOAT

✓ **Correct**

16. Problem 4: How many 1-M relationships are
there among the Customer, Facility and Location tables:

- ○ 3
- ○ 2
- ○ 0
- ◉ 1

✓ **Correct**

17. Problem 4: Which of the following tables have 1-M relationship:

- ○ Customer and Location
- ○ Facility and Customer
- ○ There is no 1-M relationship among these tables
- ◉ Facility and Location

✓ **Correct**

18. Problem 5: Which of the followings is the appropriate referential integrity constraint for problem 5:

- ◉ CONSTRAINT FK_FACNO FOREIGN KEY (FacNo) REFERENCES FACILITY (FacNo)
- ○ CONSTRAINT FK_LOCNO FOREIGN KEY (LocNo) REFERENCES FACILITY (LocNo)
- ○ CONSTRAINT FK_FACNO FOREIGN KEY (FacNo) REFERENCES FACILITY (LocNo)
- ○ CONSTRAINT FK_FACNO FOREIGN KEY (FacNo) REFERENCES LOCATION (FacNo)

✓ **Correct**

19. Problem 6: Which of the following statements is TRUE about problem 6:

- (●) Null values are not allowed in the foreign key column in Location table
- ( ) Each facility must have only one location
- ( ) Any location may not belong to more than one facility
- ( ) Null values are allowed in the foreign key column in Location table

✓ **Correct**

20. Problem 6: Which of the following constraints is the most appropriate addition in problem 6:

- ( ) UNIQUE constraint for FacNo
- ( ) Foreign key constraint for LocNo column
- ( ) No need for additional constraints
- (●) NOT NULL constraint for FacNo column

✓ **Correct**

21. Problem 7: Which of
the following constraints is the most appropriate addition in problem 7:

- ○ Primary key constraint
- ○ Foreign key constraint
- ○ Check constraint
- ◉ Unique constraint

✓ **Correct**

22. Problem 7: Which of
the followings is the appropriate constraint
syntax for problem 7:

- ◉ CONSTRAINT UniqueFacName
  UNIQUE (FacName)
- ○ CONSTRAINT UniqueLocName SET
  UNIQUE (FacName)
- ○ CONSTRAINT UNIQUE (LocName)
- ○ CONSTRAINT UniqueFacName
  UNIQUE

✓ **Correct**