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 رقم المرشح: 07.103  
 المعدل: (18)  
 العدة: ساعة ونصف



الجمهورية الأردنية  
 وزارة التربية والتعليم العالي  
 المديرية العامة للتعليم المهني والتقني  
 الاختصاص: الرمز : تكنولوجيا المعلوماتية (٨٥٧١٢)  
 العدة : المعلوماتية التطبيقية  
 المستندات المسموح بها : لا شيء

**الإجابة على كراس الاجابة**

1- Choose the correct answer: (1 pt / correct answer)

- The relationship between two primary keys must be of type:
  - One to many.
  - Many to many.
  - One to one.
  - Many to one.
- In relations between tables, Which option allows you to delete the records from the primary table with all the corresponding records in the secondary table:
  - Enforce referential integrity.
  - Cascade update related fields.
  - Cascade delete related records.
  - None of the above.
- Suppose that the database is created, what is the best method to find the records?
  - Form.
  - Query
  - Report.
  - Record.
- The validation rule property is not useful for a field of type:
  - Auto number.
  - Currency.
  - Date / Time.
  - Text.
- In a form, the control which allows you to choose a value among several is a:
  - Option group.
  - Rectangle.
  - Text box.
  - Sub form

- The "new values" property is used only for a field of type:
  - Text.
  - Currency.
  - Auto number.
  - Number.
- Suppose the database is created, what is the best method to print the records?
  - Form.
  - Report.
  - Query.
  - Record.
- The "design view" mode in a table is used to:
  - Create the fields by defining their names and types.
  - Sort the records.
  - Modify the contents of the fields.
  - Define one or more selection criteria.
- To relate two tables, the fields in common must have:
  - The same size and the same name.
  - The same name only.
  - The same name and the same type.
  - The same size and the same type.
- In a report, to print the date and time at the end of each page, we write:
  - = now () in the page footer section.
  - = date () in the report footer section
  - = now () in the page header section.
  - = date () in the report header section

**II-Giving the following tables :**

- Patient (Patient-number, Birth-date, Telephone, Blood-group, Insurance-number)
- Illness (Illness-number, Illness-name)
- Insurance (Insurance-number, Insurance-name)
- Doctor (Doctor-number, Doctor-name, Doctor-first-name)
- Hospitalize (Patient-number, Illness-number, Doctor-number, Entry-date, Room, Hospitalization-duration)

**The data constraints**

- The field "Patient-number" in the table "Patient" is sequential counter given by the computer.
- The field "Insurance-number" in the table "Patient" is a foreign key.
- The field "Entry-date" in the table "Hospitalize" must always be greater than or equal to the system date. This field takes the system date by default.
- The field "Blood-group" in table "Patient" is an alphabetical field consists of 3 letters maximum. This field can't be empty.
- The field "Illness-number" in the table "Hospitalize" is a Combo box.

**Questions**

- Indicate the primary key of each table.
- Draw the relationship chart between tables and show the cardinalities.
- To make the combo box, for the constraint mentioned in "e", fill in the table below:

(1 1/2 pts)  
 (2 pts)  
 (1 pt)

General	Lookup
Display Control	
Row Source Type	
Row Source	

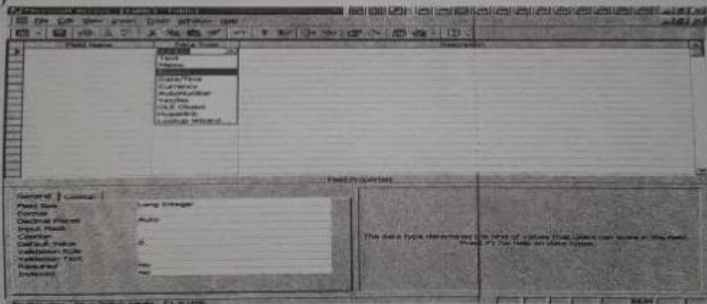
- See annex 1, to update the necessary properties (field name, data type, field properties) for all fields mentioned in a, b, c and d. (2 pts)
- See annex 2, to create the following queries: (1 1/2 pts)
  - Query 1: Display all the information of patients who were born before the year 2000 and have a blood group A+ or B-
  - Query 2: Display, in descending order, the names of patients with an insurance name that begins with the letter 'a' and ends with the letter 'e'.

6- Given the following report:

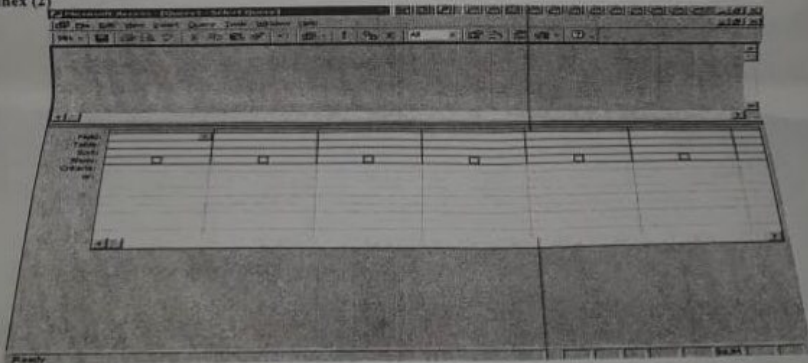
Hospitalization Patient			
1			
2	Numero-patient: 1	nom-patient: Rock habib	
3	Date-entrée:	chambre:	durée-hospitalisations
	2/15/2010	15	8
	10/10/2010	5	10
<hr/>			
	Numero-patient: 2	nom-patient: Najib Antar	
	Date-entrée:	chambre:	durée-hospitalisations
	11/10/2010	5	5
	12/9/2010	11	9
	1/15/2010	10	12
<hr/>			
4	22-Sep-10	Page: 11	

- a- Name the different sections of the report (1-2-3-4) (1 pt)  
 b- Write the function that displays the system date and the function that displays the number of page. (½ pt)  
 c- Name the source of the report: Record source. (½ pt)

Annex (1)



Annex (2)

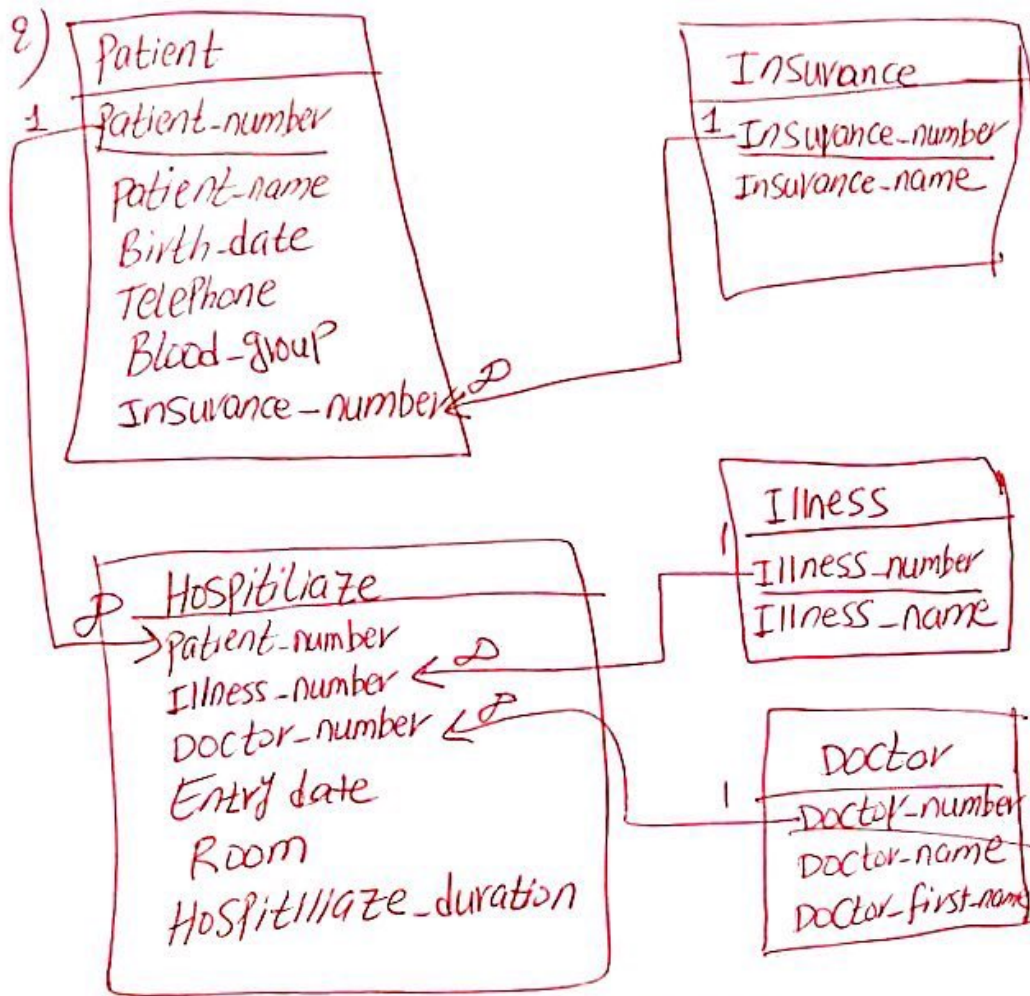


- I.)
- 1 → c (one to one)
  - 2 → C (cascade delete related records)
  - 3 → b (query)
  - 4 → a (AutoNumber)
  - 5 → a (Option Group)
  - 6 → c (AutoNumber)
  - 7 → b (Report)
  - 8 → a (create the fields by defining their names and type)
  - 9 → d (the same size and the same datatype)
  - 10 → a (=now()) in the page footer section)

II - 1)

Table - Name	Primary Key
Patient	Patient - number
Illness	Illness - number
Insurance	Insurance - number
Doctor	Doctor - number
Hospitalize	Patient - number + Doctor - number Illness - number Entry Date

1



3) e) Lookup  
 Display control: combo box  
 Row source type: Table/Query  
 Row source: Illness

(2)

4) Field name	data type	Field properties
a) Patient-number	Auto Number	Indexed: Yes (no Duplicates) Required: Yes
b) Insurance-number	Number	Field size: Byte Indexed: Yes (Duplicates OK)
c) Entry-date	Date / Time	Validation Rule: $\geq \text{Date}()$ Default value: $\text{Date}()$
d) Blood-group	Text	Size: 3 Required: Yes

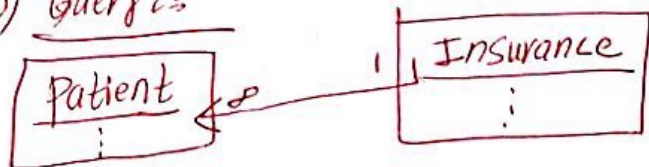
5) a) Query 1:

Patient
Patient-number
Patient-name
Birth-date
Telephone
Blood-group
Insurance number

Field:	Patient.*	Birth-date	Blood-group
Table:	Patient	Patient	Patient
Sort:			
Show:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:		< # 01/01/2000	Like "A+" or "B-"
or:			

(3)

b) Query 2:



Field :	patient-name	Insurance-name
Table :	patient	Insurance
Sort :	descending	
Show :	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Criteria :		Like "a*e"
OR :		

- 6/a) 1 → Report Header  
2 → Group Header  
3 → details  
4 → page footer

b) = Date()  
= [Page]

c) Hospitalize → record source

(4)