BTA Case Study. (14-15) is

Sancheti Group of hospitals all over India at different locations/cities in India
Say → 20 cities... (Goa, mumbai.)   ✓ Theory - 1 page ✈

Given → 7-8 tables.   ✓ 7-8 tables.   ✈ .

↓

Eg:-   Hospital-info.

Hosp. code	Hosp_name	Location	Estb year.	Speciality	Capacity (beds)	Profit_margin
(PK)						

Out_Patient_info

(PK)   (FK)   (FK)

Patient_code	Patient_name	Age	Gender.	Add_hospital.	Add_date	Dis_charge	Doc_Inc	Lab_Test_code
							Doc_In_time	Doc_Out_time

In_Patient_info.

(FK)

Patient_code	Name	Age	Gender	Add.re Hosp	Add_date	Dis_charge	Doc_Inc	Lab-Test_code	Dignosis
(PK)								Doc In_time	Doc_Out_time

Doctor

Doc_Id	Name	Age	Gender	Add	Hosp_code	Rating
(PK)						

Lab_info

Lab_no	Patient_Id	doc_id	date.	amount

Lab_no (PK), Patient_Id (FK), doc_id (FK)

Room

Room_no	room_type	status

Room_no (PK)

Bill

Billno	Patient_Id	Doc_charge	room_charge	no_of_days	Lab_charge_bill	Status_Payment

Billno (PK), Patient_Id (FK), Lab_charge_bill (FK)

✱ Focus Area 1

SQL Query formation →

① foreignkey, primary key ... / Dectection of keys in all tables.

② Calculating the profit of each / top 3 hospital branches in past 1 year gwin that profit changes from hospital location.

③. Total ☆ loss that could occur if pending bills for hospital A, B & C are not paid.

④ How will you distinguish patients as per their diagnosis

⑤ Which has been more profitable Inpatient or Outpatient since Last three years & Why?

⑥ Conversion ratio of [Inpatient to Outpatient] & pure outpatient.

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*×¹. Focus Area 2

① Data format check → uniform.
　　(Date, Add, Add.date, dis.date).

② Quality check
　　└→ repetitive/pure
　　└→ Duplicate data

③ Data Anomalies ⟨ Insert
　　　　　　　　　　 Update

④ normalization issues. → Combining 2/3 columns
　　　　　　　　　　　　　　　　　　　　↓①
⑤ Optimizing table → changing format
　　　　　　　　　　　　 of data/column.

Focus Area 3 :-

① What should be the profit margin % in order to ensure 30% profit annually per hospital ?

② Rates of Lab-test, are they okay?? / not.

③ ~~Should the~~ How can we manage patients better & what changes can be made to ensure hospital treatment becomes affordable yet profitable

~~us~~ patients ↓

hospitals ↓ .

④ Should the hospital workforce ~~will~~ be changed /removed, if so (doctors, nurses)

which one ??

⑤ Suggest a way to monitor doctor/nurse whether they're performing duty wisely.