

RAN-1911000102050001

FYBCA(SEM-II) Examination

March / April - 2019

FYBCA SEM-II Paper 205 Database Management System

Time: 3 Hours]	[Total Marks: 70	
સૂચના : / Instructions		
નીચે દર્શાવેલ 🖝 નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the details of 🖝 signs on your answer book	Seat No.:	
Name of the Examination:		
FYBCA(SEM-II)		
Name of the Subject :		
FYBCA SEM-II Paper 205 Database Management System		
Subject Code No.: 1911000102050001	Student's Signature	

Instructions:

- (1) Figure on the right indicate marks.
- (2) Take assumption whenever necessary.

Q:-l Answer any seven questions.

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- 1 Explain strong and weak entity set with an example.
- 2 Define schema with an example.
- 3 Difference between ALTER and UPDATE command.
- 4 Explain data independence.
- 5 Explain trivial and non-trivial dependency.
- 6 What do you mean by SQL. Give the general form of Query.
- 7 How to create relationships among table.
- 8 What are the functions of file manager?

Q:-2 Give answer the following(Any three)

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- 1 Explain database users.
- 2 Describe concept of Aggregation with an example.
- 3 How conventional file system is differ from database management system.
- 4 Explain mapping cardinality with an example.

FO 1.O.T.4

Q:-3		Give answer the following(Any three)	21
	1	What is normalization? How 3NF is differ from BCNF.	
	2	What do you mean by attribute? Explain types of attribute.	
	3	Explain Loss-less join Decomposition.	
	4	Explain various types of constraint with an example.	
Q:-4		Draw E-R Diagram for hospital management system.	05
		OR	
		Draw E-R diagram for college management system.	
2 3 4 5		Consider the employee data. Give an expression in SQL for the following query.	12
		Teacher (Tech_code, tname, join_date, salary, city) Subject (Sub_Code, Sub_name, Tech_code)	
	1	Create tables and give proper constraints.	
	2	Find the name of teachers who are taking more than two subjects.	
	3	Display the name of teacher who get salary more than 35000 and teach "Computer graphics" subject.	
	4	Display the name of teacher whose name start with 'K' and end with 'A'.	
	5	Count the teacher who is not taking any subject.	
	6	Display the name of teacher who is situated in 'Valsad' and taking 'RDBMS' and 'Operating system' subjects.	