JAIPURIA

JAIPURIA INSTITUTE OF MANAGEMENT, NOIDA
POST GRADUATE DIPLOMA IN MANAGEMENT
THIRD TRIMESTER (Batch 2017-19)
END TERM EXAMINATION

Course Name	Management Information Systems	Course Code	IS301
Max. Time	2 Hours	Max. Marks	40

Note: Attempt All Questions.

Q1. Damodardas Construction Company has a number of employees. Each employee can be (10) assigned to one or more projects. The employees of Damodardas are characterized by their ID, name, address and date of birth.

Every project must have at least one employee working on it and the number can be increased depending on the demand. The projects in the company are maintained by their project id, project head and project finishing date. Each of these projects have been delivered by many investors who are characterized by investor id, name and investing company's name.

a) Find out the entities and their attributes involved in Damodardas Construction Company.

b) Draw and ER diagram for Damodar Das Construction Company. Make sure you define the cardinalities in the relationships.

Q2.
First name	ID number	Email address	Grade	(10)
KUSHAGRA SAXENA	jj/2017-19/0163	K.SAXENA.19J@JAIPURIA.AC.IN	8	
ASHUTOSH SINGHVI	jj/2017-19/0026	A.SINGHVI.19J@JAIPURIA.AC.IN	8	
APARNA PRIYA DARSHI	jj/2017-19/0023	A.19J@JAIPURIA.AC.IN	6	
ANUSHKA JAIN	jj/2017-19/0174	A.19J@JAIPURIA.AC.IN	7	
DEEP CHAND SHARMA	jj/2017-19/0036	DSHARMA.19J@JAIPURIA.AC.IN	10	
SAKSHAM	jj/2017-19/0195	SMATHUR.19J@JAIPURIA.AC.IN	9	
SHAKTIPAL SINGH RATHORE	jj/2017-19/0122	SRATHORE.19J@JAIPURIA.AC.IN	6	
NEHA MAHESHWARI	jj/2017-19/0190	NMAHESHWARI.19J@JAIPURIA.AC.IN	10	
RISHABH ALWANI	jj/2017-19/0183	R.ALWANI.19J@JAIPURIA.AC.IN	6	
AJAY DANGAYACH	jj/2017-19/0011	ADANGAYACH.19J@JAIPURIA.AC.IN	10	

Consider the Student table given above and answer the following questions:

a) Identify super key, candidate key and primary keys for the table.

b) Design a query to display all the students whose first name start or end with A.

c) Design a query to display all the students having ID Number between **jj/2017-**

d) Design a parametric query to display the student record by entering his/her e-mail ID at runtime.

e) Design a calculated query where a new column is added named "Overall Grade" which will be equal to Grade*10

Q3. Cognos is IBM's business intelligence (BI) and performance management software suite. The (5) software is designed to enable business users without technical knowledge to extract corporate data, analyze it and assemble reports. Keeping in mind the features of Cognos, explain the advantages of IBM Cognos over MS Excel.

Q4. Recently during an interactive session with a Silicon Valley VC who is also a disruptive innovator; I realized the fast pace at which we are moving in this Post Digital era. When he said in a confirmatory tone that within the next ten years, we are going to forget everything about the magnanimous World Wide Web; and will have to unlearn a lot of things that we have been applying. It suddenly seemed that an assumed and agreed actuality has been put in words.

The most prominent landmark of the post digital era is active users who are moving towards a completely digital driven lifestyle in the form of Internet of Things. SMAC which is more Enterprise Technology centered; has proved to be a helpful theory aiding in the breakdown of data and information to form the backbone of your marketing strategies.

Even Cognizant's CEO gave the credits to SMAC for bringing a major transformation in industry standards, as well as enhancing the future for IT Enterprises.

~Rohit Dogra, Net Solutions.

i. Analyze the reasons why the VC stated the fact that World Wide Web will be forgotten within 10 years. (7.5)

ii. Explain the emergence of SMAC technologies as a powerful tool to transform the future of the enterprises. (7.5)