JAIPURIA INSTITUTE OF MANAGEMENT, NOIDA

POST GRADUATE DIPLOMA IN MANAGEMENT

THIRD TRIMESTER (Batch 2018-2020)
END TERM EXAMINATIONS (MARCH, 2019)
SET NO.: ...A...

Course Name	Management Information Systems	Course Code	IT301
Max. Time	**2 hours**	Max. Marks	**40**

Instructions: All questions are compulsory.

Q1. Institute of Business maintains data about the following: (15 marks)

- Subjects offered: including number, title, credits;
- Students: including student-id, name, subject and marks;
- Instructors: including identification number, name, department, and title.

Further grades awarded to students in each subject they are enrolled for must be appropriately modelled. Document all assumptions that you have considered about the mapping constraints.

a) Construct an E-R diagram (ERD) with appropriate notation for this Scenario. **3 marks**
b) Explain the relationship between the various entities using the ER diagram. **2 marks**
c) Specify appropriate keys for each entity.   **2 marks**
d) Identify the multi value attributes.   **2 marks**
e) Identify the derived attributes.   **2 marks**
f) Identify the cardinalities in the relationship.   **4 marks**

Q2. "Gupta Pharmacy" is using MS Access to keep and track the record of all kind of inventories. As a functional consultant, you need to present them the following: **(10 marks)**
2.1. The advantages of MS Access based inventory Monitoring system   **3 marks**
2.2 Identify any one MIS reports and one DSS report related to the above business process.
                                                                              3 marks
2.3 Describe summary report and exception report that might be useful for these managers
        a) Accounting manager   **4 marks**
        b) Sales manager

Q3. National Chemical Company (NOC) deploys MS-Excel for information requirements. Keeping in mind the features of Cognos business intelligence (BI) and performance management software suite, explain the advantages of IBM Cognos over MS Excel to M/s NOC.   **5 marks**

Q4. Applebees is the largest casual dining chain in the world with 1970 locations throughout US and nearly 20 countries worldwide. The menu features chicken and fish items as well as burgers, pasta and seafood. The CEO wants to make restaurant more profitable by developing menus that are tastier and contain more items that the customers want and are willing to pay for despite the rising cost of gasoline and agricultural products. **10 marks**

a) How can information systems help management in implementing this strategy?
b) Explain what type of data is available?
c) What kind of decisions this data supports?
d) How can MIS be used to improve the overall performance?
e) Which business decisions can be moved out to top management level of the organization?