**JAIPURIA INSTITUTE OF MANAGEMENT, INDORE**

**PGDM**

**THIRDTRIMESTER (Batch 2020-22)**

**END TERM EXAMINATION, MAY-2021**

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| Course Name | **Management Information Systems** | Course Code | **ITO301** |
| Max. Time | **2 hours** | Max. Marks | **40** |

**INSTRUCTIONS:**

**Questions.1** “In today’s competitive market where new market entrants, multiple range of products, low cost products options, low customer loyalty and availability of multiple suppliers exist, Management Information System (MIS) plays an important role for not only sustaining but also giving growth to the business organization”, Justify the statement using suitable examples and explaining how various processes of an organization are managed by MIS for achieving said objectives? **(10)**

**Questions.2 Analyze following case and answer the questions:**

The Resident Welfare Association of a colony in North Delhi has a membership of 26, 000 families. The purpose of the organization is to provide welfare to residents of the colony. They take care of security services, utility help in terms of electrician, plumber, sweeper etc. and some financial support to the families who are in need. The association keeps organizing the educational cum cultural workshops from time to time. During festive season, the association also organizes the get-to-gathers. Members of the association are supposed to pay an annual fee of Rs. 15000/-. Association also receives additional funds from government schemes and also from the business peoples. The book-keeping work for the association is handled by the elected treasure, Bobby Sharma.

The members of the welfare association are elected every year on the basis of open polls. But Bobby win the position unopposed every year as no one wants to take over the tedious and time consuming job of managing money and tracking memberships. Each governing body member of the association is paid a stipend of Rs. 10,000/- per month. The colony members however, are not very happy with Bobby’s performance.

Association already has a computer system based solution to track the billing and receipt of funds. But this system was developed in 1990 by one of the residents who was pursuing his Computer Science degree from IIT Delhi. The system is based on Foxpro-based database management system. Since Foxpro has become outdated, because of which no one is able to maintain the system properly.

The existing system takes lot of time to process the data. Member queries are not answered easily. Sometimes it takes a couple of hours to find the information needed to answer the question. Often, they have to perform calculations manually since the system was not programmed to handle certain types of queries. When member information is entered into the system, each field is presented one at a time. This makes it very difficult to return to a field and correct a value that was entered. Sometimes a new member is entered but disappears from the record. The report of membership used in the workshops and other events are generated in different formats.

Association has decided to upgrade the system, rather develop the new system which is scalable. They hired you to do this Project.

**Questions:**

1. Suggest your Strategies and course of action to rectify all problems with reference to developing new information system.
2. What are the different data attributes you would collect to maintain update data about members and events?
3. List down types of reports to be generated by this system.  **(4+3+3=10)**

**Questions.3** GM and VP of Cobra King - Manufacturer of Motor Cycle were discussing importance of SQL for retrieving data and creating reports from queries. Write queries for the following statements and suggest which query can generate which type of report for organizational decision making:

1. Select employees having age greater than and equal to 45 and are from workshop department.
2. Select name of the employees working in paint shop having salary greater than Rs.10000.
3. Select name of the employees who lives in “Kanpur” and educational qualification is “MBA” . **(3+3+4 = 10)**

**Questions.4** Explain following relationship and structure of tables generated using MS- Access: **(10)**

