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M.C.A. (Semester – I) Examination, 2011
BM-12 : PRINCIPLES OF MANAGEMENT FUNCTION AND
ORGANIZATION BEHAVIOUR (Old)
(Mgt. Faculty-2005 Pattern)

Time : 3 Hours

Max. Marks : 70

Instructions : 1) *Q. 1 is compulsory.*

2) *Attempt any three questions from the remaining questions.*

3) *Figures to the right indicate full marks.*

1. a) Write a detail note on contribution of F.W. Taylor for the development of Management. **10**
b) Explain the basic functions of management. Do these functions vary from industry to industry discuss. **15**
2. What is Managerial Decision Making ? Explain Herbert Simon's model in detail. **15**
3. Define leadership and state its importance along with different leadership styles. **15**
4. Define and explain the concept of 'Organisation'. Explain the process of organizing in detail. **15**
5. Elaborate on essential managerial skills and explain how these vary as per different managerial level ? **15**
6. Define and explain the term "Constructive and Destructive Conflicts" and discuss various strategies to encourage constructive conflicts and discourage destructive conflicts. **15**
7. Write short notes on (**any three**) : **15**
 - 1) Team Building
 - 2) Group and Group Dynamics
 - 3) OB-Need and Importance
 - 4) Various approaches to Management.



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M.C.A. (Semester – IV) (Mgt. Faculty) Examination, 2011
IT-43:403 : OBJECT ORIENTED ANALYSIS AND DESIGN (New)
(2008 Pattern)

Time : 3 Hours

Max. Marks : 70

- Note :*
- 1) *Q. 1 is compulsory.*
 - 2) *Answer any five from the remaining.*
 - 3) *Mention the assumptions made for solving case study.*

1. The university has arranged a project competition for which students of BE, MCA, MCM, MCS College students can register online in a group. The panel of judges are invited from colleges of other Universities. The rules of the competition are as follows :

- 1) One college can send any number of groups.
- 2) One group can have minimum 2 and maximum 4 members.
- 3) One group can not develop more than one project .
- 4) One student can participate in only one project group.
- 5) One panel of judges consist of minimum 2 and maximum 5 judges.
- 6) One panel of judges can judge many project.

The University declares result passed on the points given by the panel of Judges.
For the above case,

Draw

- i) Use case diagram **10**
 - ii) Class diagram **10**
2. Explain RUP in detail. **10**
3. a) Draw sequence diagram for sending E mail with attachment. **5**
 - b) Draw collaboration diagram for forwarding SMS to your friend. **5**
4. Draw activity diagram for online hotel room booking. Write your own assumptions. **10**

P.T.O.



5. Draw state transition diagram for a toy Robot, with following details/ functionalities. **10**
- 1) When robot is switched on it greets you as per the day time (morning, afternoon etc.) ?
 - 2) As per your order – “walk straight”, “run” and “stop”, it behaves accordingly.
 - 3) Set time for the robot.
 - 4) After 6 pm it switches on its own lights.
 - 5) When the battery is down it gives an indication for charging it by saying “Battery down” ? Similarly after the charging is complete it says “Battery full”.
6. Explain Multitiered Architecture. **10**
7. Write short notes on **(any 2)** : **(5×2=10)**
- 1) Patterns and antipatterns
 - 2) Test cases guidelines.
 - 3) Inheritance.
 - 4) CRC.



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M.C.A (Semester – IV) (Mgt. Faculty) Examination, 2011
BME-6-416 : ENTERPRISE RESOURCE MANAGEMENT (New)
(2008 Pattern) (Elective)

Time : 3 Hours

Max. Marks : 70

Instructions: 1) Q. 1 and Q. 6 are compulsory.

*2) Solve **any three** questions from Q. 2 to Q. 5.*

*3) Figures to **right** indicate **full** marks.*

1. Write a detailed report about a service company, describing how the ERP system implementation has improved the company's operations. Look especially for improvements that have come as a result of better coordination between different business functional areas. **20**

2. a) List the ERP products available in the market according to the following categories : **5**
 - i) Small Scale Businesses
 - ii) Medium Scale Businesses
 - iii) Large Scale Businesses.

- b) Discuss the architecture of a generic Executive Information System (EIS). **5**

3. a) Explain the critical success factors for an ERP implementation. **5**

- b) Briefly discuss the following modules of ERP : **5**
 - i) Inventory Control Module
 - ii) Sales and Distribution Module



4. a) Discuss the criteria to select an appropriate ERP system for an organization. **5**
b) What is Gap Analysis ? Explain in brief. **5**
5. a) What is meant by the maintenance of an ERP system and how it is performed ? **5**
b) A manufacturing organization is planning to opt for a non-integrated information system. List potential problems that might result from such a system. State your assumptions clearly. **5**
6. Write short notes on **any four** of the following : **20**
- a) Management Information System (MIS)
 - b) Customer Relationship Management
 - c) Applications of Data Warehousing
 - d) Applications of On-Line Analytical Processing
 - e) Business Process Re-engineering.



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M.C.A. (Semester – V) (Management Faculty) Examination, 2011
IT – 1 : (Elective) DISTRIBUTED DATABASE MANAGEMENT
SYSTEMS
(2005 Pattern) (Old)

Time : 3 Hours

Max. Marks : 70

Note : 1) Q.No. 7 is **compulsory**. Solve **any 5** from the remaining.
2) State assumptions, **if any**.
3) **Draw** suitable diagram when needed.

1. Explain features of Heterogeneous database. How they are different from distributed database ? **10**
2. Explain various types of fragmentation with suitable application examples. **10**
3. Discuss the features of object model. Explain the term object clustering. **10**
4. Analyse levels of distribution transparency for read only application. Consider suitable example. **10**
5. Explain Query Optimization, Query Execution with example. **10**
6. Explain the following : **10**
 - i) Two phase commit protocol
 - ii) Mobile database systems.
7. Write short note (**any 4**) : **(5×4=20)**
 - a) Object migration
 - b) Operator tree of a query
 - c) Properties of transaction
 - d) Distributed deadlocks
 - e) Objectives of query processing.