24/12/11.

75 2nd Half-Exam.-11 mina (d).

T.E. (I.T) · Sem · VI ·

Con. 6895-11.

Information Technology for Management of Enterprise

MP-3703

(3 Hours) [Total Marks : 100

N. B. : (1) Question No. **1** is **compulsory**.
(2) Attempt any **four** questions out of the remaining **six** questions.

Q1 . Solve any four: [20]

(a) Describe role of It in BPR? Why BPR projects fail.

(b) How does a KMS work?

(c) How forward actions used as a selling channel?

(d) Explain ethical & legal issues in e-commerce.

(e) Define organizational memory.

Q2.(a) What is a business model? What are the major pressure in the business environment? [10]
(b) What is L-commerce? Discuss the technologies used in providing 1-commerce services? [10]

Q3.(a) What are the main objectives, components & benefits of digital economy? [10]
(b) What are the principles, challenges & opportunities of Supply Chain Management? [10]

Q4.(a) Define utility computing and describe its benefits. [10]
(b) Explain Re-engineering principals with example. [10]

Q5.(a) Why should a organization change ERP solutions? Give Pros and cons of switching. [10]
(b) What are the difference between on EIS & an ESS? Give example for each. [10]

Q6.(a) What are structured and unstructured problems? Give one examples of each in the following three areas: Finance, Marketing and Personnel Administration. [10]

(b) Explain IT benchmarks and metrics. [10]

Q7. Write short note on : [20]

(a) Transaction processing system (TPS).
(b) Data warehouse & Data Management.

TE IT Sem-VI (Rev) 10/12/2011
SE

V-2nd-HE-EX-11-D-1

Con. 6376-11. **MP-3692**

(REVISED COURSE)

(3 Hours) **[Total Marks : 100**

N.B. : (1) Question No. **1** is **compulsory**.
(2) Attempt any **four** questions out of remaining **six** questions.

1. (a) Enlist and explain the steps require to perform cost estimation using COCOMO model ? **10**
   (b) Give a Software Requirement Specification (SRS) for developing a software for Payroll Management System. **10**

2. (a) Explain Software Configuration Management and Change Control Management in detail. **10**
   (b) Explain CMM along with the level and activities with each level. **10**

3. (a) Explain how Gantt-chart can be used for planning and controlling small projects with example ? What are the limitations of Gantt-chart ? **10**
   (b) Explain risk identification, risk projection, RMMM plan in detail. **10**

4. (a) What do you understand by Quality Assurance ? Explain the levels of Quality Assurance. **10**
   (b) Explain Basic path testing and Cyclomatic complexity in detail. **10**

5. (a) Compare conventional approach and object oriented approach to software development ? What are the advantages of OOAD ? **10**
   (b) What is feasible study ? Explain its types, contents and purpose. **10**

6. (a) Explain how project scheduling and tracking is done for a software development project ? **10**
   (b) Describe data flow and control flow diagram with suitable example. **10**

7. Distinguish between :— **20**
   (a) White Box and Black Box Testing
   (b) Coupling and Cohesion
   (c) RAD and Spiral Model
   (d) FP Based and LCC Based Cost Estimation.

30/11/11 TE IT Sem-VI (CR)
INS

50: 2nd Half-Exam.-11 mina (a).

Con. 6047-11.

MP-3697

(3 Hours) [Total Marks : 100

N. B. : (1) Question No. **1** is **compulsory**.
(2) Solve any **four** questions from **Q. 2** to **Q. 7**.
(3) **Figures** to the **right** indicate marks.

1. (a) What is Firewall ? Describe the types of firewalls with their limitations. 10
   (b) Explain denial of service attacks in networks. 10

2. (a) Explain Risk Analysis in detail. 10
   (b) Explain Digital Signature properly. 10

3. (a) Explain Secure E-mail with an example. 10
   (b) Explain DES properly. 10

4. (a) Explain Kerberos system properly. 10
   (b) Explain Hash function with an example. 5
   (c) Explain RSA algorithm. 5

5. (a) Explain different kinds of threats to information security. Elaborate on information security goals. 10
   (b) List and explain the contents of a security plan for administrative security. 10

6. (a) Give difference between Symmetric and Asymmetric Cryptography. 10
   (b) Explain control of access to general objects in operating system. 10

7. Write short notes on (any **four**) :— 20
   (a) Public Key Infrastructure
   (b) Advanced Encryption Standard (AES)
   (c) Types of malicious code
   (d) Covert Channel
   (e) Non-malicious program errors
   (f) Intrusion Detection System
   (g) Distinguish between Vulnerabities, threat and control.

5/12/11 TE IT sem VI (R) Database Technologies

10. 2nd Half-Exam -11 mina (c)

Con. 6177-11. **MP-3706**

(3 Hours) **[Total Marks : 100**

N. B. : (1) Question No. **1** is **compulsory**.
(2) Attempt any **four** questions out of the remaining **six** questions.

1. a) Explain transient and persistent objects. **5**
   b) What are triggers? Illustrate the cases when triggers must not be used. **5**
   c) Define and explain the term "Data warehouse". **5**
   d) Explain BCNF with suitable example. **5**
2. a) Explain design and implementation issues in mobile database. **10**
   b) Explain with proper example nested relation in ORDBMS. **10**
3. a) All electronics company have sales department Sales consider the dimensions namely **10**
   i) Time ii) Product ii) Branch iv) Location
   with two measures
   i) Dollars-sold ii) units-sold
   Design Star schema and write a DMQL for the above statement.
   b) Explain primary horizontal fragmentation in distributed databases. **10**
4. a) What are the main architectures used for building parallel databases? Give 10 advantages and disadvantages of each. **10**
   b) Explain following concepts with example; **10**
   i) Object identity
   ii) Type Constructors.
5. a) Consider a data warehouse for a hospital, where there are three dimensions: **10**
   i) Doctor ii) Patient iii) Time
   and two measures
   i) Count and ii) charge
   where charge is the fee that the doctor charges a patient for a visit.
   Using the above example describe the following OLAP operations:
   i) Slice ii) Dice iii) Rollup iv) Drilldown
   b) Explain security and authorization in SQL. **10**
6. a) Explain various extended features of ER diagram such as aggregation, specialization and generalization with suitable example. **10**
   b) Given a relation with eight attributes **10**
   Proj_no, Proj_name, Emp_no, Emp_name, Job_class, Charge_hrs, Hrs_billed and Tot_charges
   Normalize it upto 3rd Normal form.
7. Write short note on : **20**
   a) Comparison between OLTP & OLAP.
   b) Two phase commit protocol.
   c) Spatial Database.
   d) Integrity Constraint.

15/12/11 TE IT Sem - VI (R)
MWEIT

IInd/ half-11-S.G. 62

Con.6552-11. **MP-3700**

(3 Hours) **[Total Marks : 100**

N.B.: (1) Question No. **1** is **compulsory**.
(2) Solve any **four** out of remaining **six** questions.

1. (a) What is server ? Explain in detail the classification of servers in client servers model with their characteristics pros and cons. **10**

   (b) Compare and contrast RMI, CORBA and DCOM. **10**

2. (a) Explain the working of the dynamic invocation in CORBA. **10**
   (b) What are the components of CORBA components model (CCM). List the advantages of CCM. **10**

3. (a) Why should we use EJB ? What are the advantages and draw backs of EJB ? **10**
   (b) What are the steps involved in developing EJB ? Explain with an example. **10**

4. (a) What is Marshalling ? Explain Standard Marshalling. **10**
   (b) Explain in detail the components of NET. **10**

5. (a) Explain in Service Oriented Architecture (SOA) lifecycle with a diagram. **10**
   (b) List the features and functions of Enterprise Service Bus (ESB). **10**

6. (a) Describe Web Services Description Language (WSDL). **10**
   (b) What are the three major elements in the Simple Object Access Protocol (SOAP) How are SOAP messages processed ? **10**

7. Write short notes on (any **four**) :— **20**
   (a) WS-Standards (WS–*)
   (b) COM threading Models
   (c) RPC Middleware
   (d) Business Value of SOA
   (e) CORBA Applications
   (f) Distributed Object System.

V 20/12/11 TE IT Sem:- VI
PFM & RC

Con. 6929-11.

MP-3694

(3 Hours) **[Total Marks : 100**

N. B. : (1) Question No. **1** is **compulsory**.
(2) Attempt any **four** questions from remaining **six** questions.

Q.1

(a) Give Differences with reference to J2ME : (20)

1. Interactive Gauge Vs non Interactive Gauge
2. Textbox Vs text field
3. List box Vs. choiceGroup
4. command Listner vs Item state
5. mutable image Vs Immutable image

Q.2 (20)

Explain following with reference to J2ME :

1. Explain in brief Screen and Canvas
2. Explain image class
3. explain date and ticker class
4. Explain Graphics class
5. Explain alert and string items.

Q.3.

(a) What is record management in J2ME? How do you handle records in j2ME ? (5)

(b) how do you program for multimedia in J2ME ? (5)

(c) What is CLDC? How do you program for CLDS? (5)

(d) What is J2ME MIDP ? (5)

Q.4

(a) Explain MIDlet lifecycle? (10)

(b) What are different security considerations in J2ME ? (5)

(c) What are the differences between J2ME and other flavors of java for example J2SE or j2EE (5)

Q.5

(a) Write a note on MVC architecture . (10)

(b) What are JDBC drivers, state its types and elaborate each of them ? (10)

Q.6

(a) Explain life cycle of servlet. (10)

(b) Write a note on web centric approach and EJB centric approach of creating web applications.(10)

Q.7

(a) Explain various classes in Games API . (10)

(b) Write a note on : (10)

1. Obfuscator

2. Bluetooth Architecture .