

Saraswati Education Society's  
**Saraswati College of Engineering, Kharghar**  
**Information Technology Department**  
**Academic Year 2013-14 (Even Sem)**  
**Unit Test-1**

Class/Sem: Third Year/VI

Duration: 1 Hr.

Date: 17.02.2014

Subject: Information and Network Security

Marks: 25

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Q.1]: Explain the goals of security. [05M]

Q.2]: Explain working of DES algorithm with diagram. [10M]

Q.3]: Explain the Asymmetric Key Cryptography and one the algorithm used in it. [10M]

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Duration: 1Hr.

Date: 17.02.014

Subject: Middleware & Enterprise Integration Technologies

Marks: 25

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**Note: Q.1 is compulsory and solves any two from remaining questions.**

Q.1]: Differentiate RPC and MOM. [05M]

Q.2]: State the characteristics of RPC middleware. Explain RPC mechanism. [10M]

Q.3]: What are issues to be handled in designing of Distributed Object System? [10M]

Q.4]: What are types of Enterprise beans? Explain Stateful and Stateless session beans  
with their lifecycles. [10M]

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Date: 18.02.2014

Subject : Software Engineering

Marks: 25

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**Note: Q.1 is compulsory, attempt four in remaining**

Q.1]: Compare and contrast coupling and cohesion. [05M]

Q.2]: Write a short note on Empirical estimation model. [05M]

Q.3]: Explain requirement engineering. [05M]

Q.4]: What do you understand by metrics list and explain process and project metrics. [05M]

Q.5]: Write a short note on Design concept and principle. [05M]

Q.6]: Explain Component based model. [05M]

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Q.1]: Explain various types of constraints with an example.

[10M]

Q.2]: What are triggers? Give an example.

[05M]

**OR**

Q.3]: Explain various functions of a database administrator.

[05M]

Q.4]: Define normalization? Explain 1NF and 2NF, 3NF with example.

[10M]

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Date: 20.02.2014

Subject: Programming for Mobile and Remote Computer

Marks: 25

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Q.1]: Explain configurations and profiles in detail.

[10M]

Q.2]: Explain Life cycle of MIDlet.

[05M]

Q.3]: Explain Limitations of CLDC .

[10M]

**OR**

Q.4]: Write Difference between Applet & MIDlet, List and ChoiceGroup,  
Textbox & TextField.

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Subject: Information Technology for Management of Enterprise

Marks: 25

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**Note: Q.1 is Compulsory and solves any two from remaining questions.**

Q.1]: Explain SOA (Service Oriented Architecture). [05M]

Q.2]: What is Business Model? What is Major Pressure in Business Environment? [10M]

Q.3]: Describe Classification and Types of Information System. [10M]

Q.4]: What do you mean by e-commerce (EC) & its types, Explain with ex. [10M]

Pure and partial EC.