

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

Class/Sem: ThirdYear/ III

Subject: OSCD

Date: 26/08/2013

Duration: 1 Hrs.

Marks: 25

Note: Question no. 1 compulsory. Attempt any two from remaining three.

Q.1]: List and explain functions of Operating System. [5M]

Q.2]: Explain with example various CPU scheduling algorithms. [10M]

Q.3]: Write note on File Allocation Methods. [10M]

Q.4]: Explain File w.r.t. [10M]

- File Structure
- File Access
- File Operation
- File Types

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Academic Year 2013-14 (Odd Sem)
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Class/Sem: Third Year/ V

Subject: CGVR

Date: 26/08/2013

Duration: 1 Hrs.

Marks: 25

Note: Q.1 compulsory. Attempt any two from remaining.

Q.1]: What is meant by homogenous matrix representation. [5M]

Q.2]: Write the matrices and draw the diagrams for scaling, rotation of 3D object. [10M]

Q.3]: Explain method of region code generation in case of Cohen-Sutherland line Clipping algorithm. [10M]

Q.4]: Develop a single transformation matrix which does the following on given object. [10M]

[i] Reduce the size by $\frac{1}{2}$

[ii] Rotate about Y-axis by (-30) degree.

Q.5]: What are different types of projections? Explain perspective projection. [10M]

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Academic Year 2013-14 (Odd Sem)
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Class/Sem: Third Year/ V

Subject: CTNC

Date: 27/08/2013

Duration: 1 Hrs.

Marks: 25

Note: Q.1. Compulsory and attempt any three from Q.2 to Q.5

- 1]: What is switching. Describe Circuit switching, Packet Switching and Message Switching. [10M]
- 2]: Explain ISO-OSI layered architecture in brief. [5M]
- 3]: Explain different Network Topologies with neat Sketches. [5M]
- 4]: What is Routing. Explain distance vector routing with an example. [5M]
- 5]: What are various functions of Data Link layer? Explain in brief with suitable example. [5M]

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Class/Sem: Third Year/ V

Subject: MPPS

Date: 27/08/2013

Duration: 1 Hrs.

Marks: 25

Note: Attempt any five.

- Q.1]: Explain the role played by computer in various aspect of manufacturing. [5M]
- Q.2]: Write a short note on hot working. [5M]
- Q.3]: Explain compression molding with neat labeled diagram. [5M]
- Q.4]: Write a short note on operation sheet preparation. [5M]
- Q.5]: Explain types of rolling mills with neat labeled diagram. [5M]
- Q.6]: Explain cause and effect diagram with suitable example. [5M]

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Academic Year 2013-14(Odd Sem)
Unit Test-1

Class/Sem: Third Year/ V

Subject: Object Oriented Analysis & Design

Date: 28/08/2013

Duration: 1 Hrs.

Marks: 25

Note: Q.1 is compulsory and solves any one question from remaining Two.

- Q1: What is requirement? Explain the different types of requirements in detail. [10 M]
- Q2: [A] Explain the following terms with example:-Abstraction, polymorphism. [5M]
[B] Draw Use case diagram for online airline reservation system. [5M]
[C] Explain any two techniques to gathering requirements. [5M]
- Q3: [A] Explain difference between include and extend relation. [5M]
[B] Draw a class diagram for Bank system. [10M]

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Class/Sem: Third Year/ V

Subject: EVS

Date: 28/08/2013

Duration: 1 Hrs.

Marks: 20

Note: Attempt any four questions. Each question carries 05 marks.

- Q.1]: Explain the four segments of environment.
Q.2]: Explain the various types of environment.
Q.3]: Write a short on Non-living environment.
Q.4]: Give the definition, scope and importance of environmental studies.
Q.5]: Explain the layers of atmosphere.
Q.6]: Write a short note on Soil.
Q.7]: What is soil erosion? What are its causes? How can soil be conserved?