

Sai Nath University

Assignment For Diploma Engineering in CS 6TH Sem.

The Assignment will consist of two parts, A and B. Part A will have 5 short answer questions(40-60 words) of 4 marks each. Part B will have 4 long answer questions of 5 marks each.

All questions are compulsory.

These Assignments should be completed and submitted in written form by the student to his/her respective Faculty/ Examiners. Assignment Submission Dates are:

➤ **June-18**

List Of Suggested Questions

The list of suggested questions is for students to practice. Although optional, we recommend that students solve these questions, as they will help them in preparing for exams as well as in clearing the important concepts of the subject.

List of Practical and suggested practical's

The list of practical's should be done by the students in their Lab Sessions. These are the basic practical's, which each student should be able to do himself independently. While the list of suggested practicals are optional, but it is recommended that students should perform those practical so as to have a thorough knowledge of the subject

Education Delivery Schedule (EDS)

As per University Semester scheme, the minimum contact hours of each paper has been divided into two hours theory and practical class.

The faculty will maintain this attendance paper wise for his/her batch.

Subject Code	Subject Name
DTC06	Unix Operating System
DTC07	COMPUTER GRAPHIC
DTC08	Web Page Designing
DTC09	System Programming
DTC010	Project

SAI NATH UNIVERSITY

Cover page of Assignment

ID NUMBER
NAME
COURSE	Diploma Engineering
STREAM	CS.....
SEM	6 TH
SUBJECT CODE
SUBJECT NAME

Assignments will be completed by the Student in his/her own handwriting.

DTC06

Unix Operating System

Part A

- 1 Describe in detail the boot process of any Linux system.
- 2How does the inode map to data block of a file?
- 3What is a page fault and when does it occur?
- 4 Explain /etc/shadow file used under Linux or UNIX?

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Part B

- 1 Describe how would you find files in Linux using 'find' command.
- 2How would you use head and tail in a pipeline to display lines 25 through 75 of a file?
- 3 Give a brief overview of “The X Window System Architecture?
- 4List any five system calls used for process management. ?
- 5 How can files be Archived and Compressed in Linux?

DTC07
COMPUTER GRAPHIC

Group A

- 1 Write down any two line attributes.
2. Differentiate window and view port.
3. What are spline curves?
4. Define quadric surfaces.

Group B

1. What is animation?
2. Explain in detail the Cohen-Sutherland line clipping algorithm with an example?
3. What do you mean by shading of objects?
- 4 Differentiate parallel and perspective projections and derive their projection matrices?
5. Define fractals? Differentiate Mandelbrot and Julia sets.

DTC08

Web Page Designing

Group A

- 1 What is Html, Css ? Discuss the history of Web?.
- 2 Describe the Function object in JavaScript with an Example?.
- 3 What is a markup Language and what is the relationship between XML, HTML, and DHTML?.
- 4 Create HTML Page for Following Features?
 - Create an unordered list.
 - Create ordered styles.
 - Use various bullet Styles.
 - Created nested Lists.
 - Use graphics as Bullet

Group B

- 1 Create Web page , Which accept user Information and user Comments on the web site To check if all the Text Field have being entered with data else display an alert.
- 2 Explains different types of used in XML.
- 3 What are some Typical miscommunication between client and web team? Between programmers and Designers
- 4 Describe all the ways of creating Arrays in Java Script ?.
- 5 Describe the internet Protocols in Web? Also discuss the role of Administrator in Web Team.

DTC09

System Programming

Group A

- 1 What do you mean by multi-window editor?
- 2 Differentiate static relocation and dynamic relocation.
- 3 What are the features required in assembly to build a two pass assembler?
- 4 What is the difference between a phase and a pass, a token and a uniform symbol? Give examples.

Group B

- 1 In what phase is the elimination of common sub expressions performed? Why?
- 2 What is the use of IDE? g) What do you mean by shell and shell scripts?
- 3 Differentiate LEX and YACC. i) What are the different problems with the layered OS model? Define microkernel.
- 4 Explain the different phases of the compiler.
- 5 Explain the pars structure of assembler? Make a flow chart for implementing one-pass assembler.

