

**Advanced Diploma in Information Technology (ADIT) /
Bachelor in Information Technology (BIT)**

Term-End Practical Examination

December, 2007

CST-101P : FOUNDATION IN INFORMATION TECHNOLOGY

Time : 1 Hour

Maximum Marks : 30

Note : *There are two questions in this paper of 10 marks each. Both the questions are compulsory. 10 marks are for viva-voce.*

1. Perform the following operations using UNIX command(s) :
 - (a) Display the 3rd and 5th character of an input string. 1
 - (b) Find the names of the files in your current working directory that end with a character like a, i, o, u or e. 2
 - (c) Print the calendar of January 2025. 1
 - (d) Check the Group ID and User ID of yourself. 1
 - (e) Store the list of files with their i-node numbers into a file abc.txt. 2
 - (f) Reduce the priority of the cat command line by 8 units. 1
 - (g) Split a file into different files, where each split file contains maximum 5 lines. 2

2. Write a shell program, which takes any number of input files, sorts the files in descending order according to the number of blank lines in the input files. The program should generate appropriate error message if any input file does not exist or if any file does not contain any blank line in it. 10

