**Latex End sem Sample Question 2**

**Sorting Algorithms**

For this activity, you are required to replicate the given pdf “Sortingalgos.pdf".

You have to fill up the main.tex, which can generate a pdf as close as possible to “Sortingalgos.pdf".

Below is the detailed description of the document you need to create.

All the packages required for this activity are already imported in the given "main.tex" file. You shouldn't and mustn't import any other packages.

Following are the major components in each part of the document, which would be considered for evaluation:

1) Preamble

* Title
* Student Id
* Table of contents

2) Section 1 : Introduction

* basic introduction about algorithms, you can use the same text as in the “Sortingalgos.pdf” file.

3) Section 2: Types of Sorting Algorithms

* use list to represent the different types of sorting algorithms

4) Section 3: Complexity of Sorting Algorithms

* basic terminology about the metrics to evaluate the sorting algorithms, you can use the same text as in the “Sortingalgos.pdf” file.

5) Section 4: Time Complexity Equations

* time complexity equations of various sorting algorithms.

6) Section 5: Comparison

* use tables to compare the performance of various algorithms in various cases.

7) Section 6: Conclusion

* basic conclusion information about sorting algorithm, you can use the same text as in “Sortingalgos.pdf” file.

Usage :

pdflatex main

Grading details : Your submission will be graded on the basis of the certain tags in the "main.tex" file, though iit must generate a pdf without any errors, warnings are acceptable.

Hence, in most cases exact match between your rendered pdf and “Sortingalgos.pdf” is not considered, yet it is advisable to create your pdf similar to the given“Sortingalgos.pdf".