

Sardar Vallabhbhai National Institute of Technology, Surat

Design and Analysis of Algorithms

kfl

Exam Date : 1/1/2017

Exam Time : 8:30 AM to 9:30 AM

Total Marks : 10

Instructions :

1. Write your roll no. and other necessary details clearly on Answer book and Question Paper.
 2. Assume necessary data but give proper justification.
 3. Be precise and clear in answering all questions.
 4. Figure to the right indicate full marks of that question.
 5. Please start answer to new question on new page.
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Q-1 Answer the Following

[4]

- 1) Write the For LOOP general format.
- 2) Define average step count.

Q-2 Answer the Following

[6]

- 1) Is insertion sort better than the merge sort?
- 2) Give the recurrence relation of divide-and-conquer?

ALL THE BEST!