Q1	Q2	Q3	Q4	Tot

CEng XYZ - Introduction to Exam Templates

Spring 2017-2018, Midterm I, May 10, 2018

(4 pages, 4 questions, 100 points, 100 minutes)

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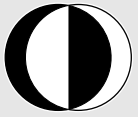
Name: _____   **No:** _____   **Signature:** _____
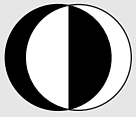
QUESTION 1.(25 points)

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b) Donec volutpat leo id est imperdiet pharetra. Mauris interdum sapien a lectus aliquet, at blandit justo pretium. Sed pellentesque leo vitae mauris sagittis consectetur. Phasellus malesuada, nisi sed elementum consectetur, erat lorem sagittis est, non interdum ligula lectus eu lectus. Morbi fringilla sapien arcu, et dictum ex mattis sed. Suspendisse nec lacus id tortor porta sollicitudin. Suspendisse nec enim urna. Ut semper tortor et mi pellentesque, at finibus ex dapibus. Sed quis massa vestibulum, egestas ipsum ac, dapibus diam. Aenean sed lectus a nisl tempus laoreet.

QUESTION 2.(25 points)

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b) (15pts) Cras neque nisi, sodales ac turpis vitae, imperdiet viverra augue. Sed consequat ligula laoreet sem maximus convallis. Praesent efficitur ut urna auctor commodo. Nullam fringilla ex non urna luctus luctus. Cras augue lectus, rutrum sit amet fermentum ut, consectetur id urna. Donec feugiat massa in semper venenatis. Curabitur bibendum lacus quis sollicitudin convallis. Sed in ornare magna.

QUESTION 3.(25 points)

a) Which of the following make sense?

- Etiam vel urna quam. ☐

- Quisque lacinia ultricies consectetur. ☐

- Donec malesuada eget urna sed blandit. ☐

b) Donec sagittis sed nulla et interdum. ⬚

c) libero hendrerit, _____. Quisque ut ipsum consectetur arcu rhoncus suscipit non gravida est.
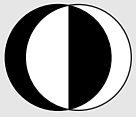
d) Ut id porttitor purus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. T or F

e) Ut id porttitor purus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. T or F

f) Ut id porttitor purus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. T or F

g) Ut id porttitor purus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. T or F

h) Fill in the following assuming this and that:

Name: _____   **Id:** _____   3

QUESTION 4.(25 points)

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```
int shellSort(int arr[], int n)
{
    // Start with a big gap, then reduce the gap
    for (int gap = n/2; gap > 0; gap /= 2)
    {
        // Do a gapped insertion sort for this gap size.
        // The first gap elements a[0..gap-1] are already in gapped order
        // keep adding one more element until the entire array is
        // gap sorted
        for (int i =     ;        ;       )
        {
            // add a[i] to the elements that have been gap sorted
            // save a[i] in temp and make a hole at position i


            // shift earlier gap-sorted elements up until the correct
            // location for a[i] is found
            int j;



            //  put temp (the original a[i]) in its correct location
            arr[j] = temp;
        }
    }
    return 0;
}
```