

CS302 2016 Midterm – Answer Sheet Page 1

Name: _____

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Question 1 :

A: _____

B: Circle one: Size Height Rank-w-path-compression

C: d.Find(0) : _____ D:

d.Find(15) : _____

d.Find(14) : _____

d.Find(10) : _____

d.Union(1,2) : _____

Question 2 : Put the correct running times in the boxes.

<u>Proc_A:</u>	<u>Proc_B:</u>	<u>Proc_C:</u>	<u>Proc_D:</u>	<u>Proc_E:</u>
<u>Proc_F:</u>	<u>Proc_G:</u>	<u>Proc_H:</u>	<u>Proc_I:</u>	<u>Proc_J:</u>

Question 3 : Don't bother with #include statements or “using namespace std”.

Part A:

```
void proc (int n, string s)
{
```

Part B: Answer Here:

}