Yambot, Janri Kyle R.
BSIT – 303
SIR BANES
Data Structures and Algorithms
06 Activity 1 – ARG

Determine the following:
1. Parent Nodes (5 pts):
   • html
   • head
   • body
   • ul
   • h2

2. Siblings (4pts):
   • <u>meta</u> & <u>title</u>
   • head & body
   • <u>li</u> & <u>li</u>
   • ul & h1 & h2

3. Leaf Nodes (6 pts):
   • meta
   • title
   • li
   • li
   • h1
   • a

4. One-level subtrees (5 pts):
   • html – head / body
   • head – meta / title
   • body – ul / h1 / h2
   • ul – li / li
   • h2 – a

5. Nodes per Level (4 pts):
   • Level 0 – html
   • Level 1 – head / body
   • Level 2 – meta / title / ul / h1 / h2
   • Level 3 – li / li / a

6. Depth (1 pt):
   • 3

7. Degree of each one-level subtrees (5 pts):
- Subtree html – 2
- Subtree head – 2
- Subtree body – 3
- Subtree ul – 2
- Subtree h2 – 1