**WEEK 12: Assignment**

* **Match the following Column I to Column II.**
* **Use this file as a template and example is show below make a small table with question number followed by fill in the answers.**
* **Save the file as WEEK\_12\_BID-19006 according to your roll number.**
* **THE DATE OF SUBMISSION IS WRITTEN ON THE TOP RIGHT CORNER.**

Column I

|  |
| --- |
| 1. W8 |
| 1. Each vertex is crossed once |
| 1. Each edge is crossed once |
| 1. Represent hierarchical structure in a graphical form. |
| 1. Elements of trees |
| 1. Forest |
| 1. Circuit rank |
| 1. A graph with two descending branches at any vertex. |
| 1. A property used to define a planar graph. |
| 1. For each region there is a vertex |
| 1. Maximal Planar graph |
| 1. Euler’s formula |
| 1. Plane graph with no Triangles |
| 1. Graph topology that is continuous and inverse in function. |
| 1. Boundary of a connected graph |

Column II

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| 1. **3n – 6** |
| 1. **Dual Graph** |
| 1. **Wheel graph** |
| 1. **Hamiltonian Path** |
| 1. **n – m + r** |
| 1. **Homeographic Graph** |
| 1. **2n – 4** |
| 1. **Nodes** |
| 1. **Trees** |
| 1. **Eulerian Path** |
| 1. **Binary Tree** |
| 1. **Region** |
| 1. **Planarity** |
| 1. **Undirected Acyclic Graph** |
| 1. **m – n – 1** |

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| **Question** | **Answer** |
| **1** | **iii** |
| **2** | **iv** |
| **3** | **x** |
| **4** | **ix** |
| **5** | **viii** |
| **6** | **xiv** |
| **7.** | **xv** |
| **8** | **xi** |
| **9** | **ii** |
| **10** | **xiii** |
| **11** | **i** |
| **12** | **v** |
| **13** | **vii** |
| **14** | **vi** |
| **15.** | **xii** |