**Name:**

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| **UNIVERSITY OF PETROLEUM AND ENERGY STUDIES, DEHRADUN** | | | |
| Assignment#1Programme Name: B.Tech (CSE- Big Data, AI&ML, BAO, OGI) Semester : IVCourse Name : DCNCourse Code : CSEG 2009 Max. Marks : 20Nos. of page(s) : 01 **Instructions :** **Answer the following questions** | | | |
| **All the questions are compulsory and explain in your own wording. Copying is not allow from any mean and if found strict action will be taken against.** | | | |
| S. No. |  | **Marks** | **CO** |
| Q1 | How GUI is different from CLI interface? | **2** | **CO1** |
| Q2 | What are the commands in order to escalate to higher privileges in the CISCO IOS operating system? Discuss three privilege levels does the CISCO IOS operating system has? | **3** | **CO1** |
| Q3 | “It is important that the interfaces between devices share the same sped and duplex configuration”. What will happen if not? | **2** | **CO1** |
| Q4 | Differentiate LAN and WAN on the basis of various parameters? | **3** | **CO1** |
| Q5 | How do guided media differ from the unguided media? Define all the type of guided media with proper example. | **4** | **CO1** |
| Q6 | What are the three ways to connect and manage network devices? | **3** | **CO2** |
| Q7 | Discuss the purpose of a Kernel in any operating system. | **3** | **CO2** |