**Indian Institute of Information Technology, Sri-City, Chittoor**
**Department of Computer Science**
**Mid-Sem for UG3 (Monsoon)**

**Sub:** CLOUD COMPUTING                                        **Date:** 25/09/2020
**Max Marks:** 20                                              **Time:** 9.00 to 10.30 AM

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**Name:**                        **Sem:**                        **Roll No:**

1. Define Cloud Computing and explain how compute service can be leveraged?        [2]

2. With a neat diagram differentiate Full and Para virtualization?        [4]

3. Give the complete stack for delivery model in cloud.        [2]

4. With a neat diagram explain any two hardware architectures for parallel processing.        [2]

5. Consider there is an on-prem location called "A" and it has its own compute nodes in its VNET. "A" wants to communicate with a VM present in the AZURE CLOUD. Further, all cloud resources are deployed in a VNET. Suggest which connectivity service is suitable for communicating between on-prem and cloud.
   Make proper assumptions if needed, security components at VNETS and explain with neat diagram.        [6]

6. INDIVIDUAL VIVA        [4]