

Pir Mehr Ali Shah

**Arid Agriculture University, Rawalpindi**

**University Institute of Information Technology**

**Fall 2023**

Course Code.: **CS-655** Course Title: **Virtual System & Services**

Degree: **BSIT 7A(Evening)** Total Marks: \_\_\_\_**15\_**\_\_\_\_\_\_\_\_\_\_\_

Date: 1**0-November-2023** Deadline: **18-November-2023**

**Assignment 2**

**Solution**

***Note:***

*Late Assignments will have dealt as per policy given in the course outline. Plagiarism (/Copying) is strictly discouraged. Only hand written assignment acceptable.*

***Your name, roll number, section and assignment number should be clearly written at the first page of the assignment (attach above page (1) with your assignment).***

**Question No. 1 [Marks: 05]**

**Compare the performance of Para virtualization and full virtualization. Highlight the key factors influencing performance in each case.**

**Question No. 2 [Marks: 05]**

**How can you use snapshots, cloning, and templates to enhance the efficiency of the dynamic development environment? Provide a comprehensive solution, addressing the benefits and potential challenges.**

**Question No 3. Read the Scenario and answer the question. [Marks: 05]**

* + **Your company is planning a migration of its on-premises data center to a virtualized environment. The leadership team has identified the need for virtualization technology to enhance flexibility, resource utilization, and overall efficiency. As the IT manager, you are tasked with selecting a virtualization vendor that best suits the company's needs.**
  + **Question: Outline the considerations you would take into account when selecting a virtualization vendor for the data center migration. Provide a detailed solution, including the key factors and potential challenges.**

**Best of Luck**