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| Arid Agriculture University Rawalpindi | Rawalpindi | **Pir Mehr Ali Shah Arid Agriculture University Rawalpindi**  **University Institute of Information Technology** |

**Assignment**

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| **Course Code** | CS-432 |
| **Course Title** | Modern Programming Languages |
| **Instructor’s Name** | Dr. Saif Ur Rehman |
| **Class/Section/Mor/Eve** | BSCS-5A Evening |
| **Assignment No** | 01 |
| **Due Date** | 21 October 2023 |

**Exercise Question No. 1**

Differentiate between

a. C++ and Java

b. C-Sharp and Java

c. PHP and Java

d. Object Code (.obj) and Byte Code (.class)

e. MSIL and JVM

g. When first Version of JDK was launched? Which version is currently

in use?

h. In which language does the Java Compiler is written

i. In which language does the C++ Compiler was written

j. Does Java Support Pointers?

k. List down various types of applications that can be developed in Java

l. What is J2EE, J2SE , J2ME. Also write down the difference between

J2EE, J2SE , J2ME

m. What is JRE? Why JRE is used?

n. Is Java a Compiled or an Interpreted programming language?

o. Define Just-in Time Compiler

p. Define JVM? Why JVM is used?

JRE

b. JIT

c. JVM

d. Byte Code

e. Java is Platform Independent

f. JDK? Why it is used? What are its advantages