Quiz – Set A

CSE 401 – Mathematics for Computer Science

Department of Computer Science and Engineering

University of Asia Pacific

Total Marks: 20 Time: 40 Minutes

Q1. Determine the covariance matrix of the following dataset—

|  |  |
| --- | --- |
| X | Y |
| a | 4 |
| 5 | b |
| c | 6 |
| b | d |

Q2. Draw the following signal—

1. u(n-a)
2. r(n+c)

Where, a = your ID mod 3 + 1

b = your ID mod 4 + 1

c = your ID mod 5 + 1

d = your ID mod 6 + 1