**CSCI 391 – ST: Microservices, Quiz 4 – Implementing Microservice Communication.**

Name:

Student Id:

1. Which of the following should we consider when selecting a specific technology to implement microservice communication?
   1. Make Backward Compatibility Easy.
   2. Make Your Interface Explicit.
   3. Keep Your API’s Technology Agnostic.
   4. Make Your Service Simple for Consumers.
   5. Hide Internal Implementation Details.
   6. a, b, c, d, and e should all be considered when selecting a specific technology to implement microservice communication.
2. Which of the following technologies can be used to implement synchronous request-response communication?
   1. Remote Procedure Calls.
   2. REST.
   3. GraphQL.
   4. Message Brokers.
   5. a, b, and c can all be used to implement synchronous request-response communication.
3. Which of the following technologies can be used to implement asynchronous request-response communication?
   1. Remote Procedure Calls.
   2. REST.
   3. GraphQL.
   4. Message Brokers.
   5. a, b, and c can all be used to implement asynchronous request-response communication.
4. Which of the following would be used to implement *point to point* asynchronous communication with a single consumer group?
   1. Queue.
   2. Topic.
5. Which of the following would be used to implement asynchronous communication with multiple consumer groups?
   1. Queue.
   2. Topic.

*Extra Credit:*

What is the name of the pattern that enables multiple concurrent consumers to process messages received on the same messaging topic or queue?

Competing Consumers Pattern.