Table 1

Question	Option A	Option B	Option C	Option D
Which of the following are false about microservice ?	all microservice are webservice	all microservice are Api	all micro service are SOA service	all micro service are reactive
What is the most challenging step in moving towards building microservices?	Spliting into micro services.	Cultural change	Infrastructure cost	Learning curve
What are the advantages of microservices?	Smaller code base is easy to maintain.	Easy to deploy and scale as individual component	Technology diversity i.e. we can mix libraries, databases, frameworks etc	Fault isolation i.e. a process failure should not bring whole system down.
What are the disadvantages of microservices?	Difficult to achieve strong consistency across services	Distributed System so hard to debug and trace the issues	Harder to test	Performance
Which of the following tactics are used to manage transactions between Microservices ?	2 phase commit	Saga pattern	Database mirroring	Database triggers
Which of the following tactics are used to handle fault in Microservices ?	Bulk Head	Circuit breaker	Message Queue	Retry pattern
Which of the following tactics are used to deploy micro service ?	Serverless Deployment	Container per service	Virtual Machine per Service	Virtual Directory per service
Which of the following tactics are used to authenticate micro service ?	OAuth2	OpenID Connect	JWT	API Key based
What is the preferred type of communication between Microservices?	REST + JSON	grpc + protobuf	Message	web socket
Which of the following artifacts reduce coupling Microservices ?	Gateway	Service Registry	ESB	Ambassador Pattern
Which of the following tactics are used to increase scalability ?	Cube Pattern	Load Leveling	Cache	CQRS
Which of the following patterns are used to organise code within a microservice?	Hexagonal Design	Layered pattern	Pipes and Filter	DDD Layer
What technology do you think is the most important as far as microservices are concerned?	Containerization	Discovery Service	API Gateway	Configuration Service
Which of the following are true for a given Microservice	Can use its own technology stack for log management	Can use its own technology stack for Monitoring	Can use its own technology stack for configuration management	Can use its own technology stack for persistence
Which kind of sharing is acceptable in microservice ?	Shared Database	Shared Domain Logic	Shared libraries for cross cutting concerns	Shared Hosting
Which principle and patterns are used to scale a database ?	CAP	BASE	Sharding	Vertical Slicing
Which of the following tactics are used to migrate legacy code ?	Strangler Pattern	Ambassador Pattern	Anti Corruption Layer	Side Car
Which Patterns are used to test Microservice	Ice Cream Cone	Cup Cake	Pyramid	3A
Which of the following approaches are used to split system into micro service ?	Bounded Context	Aggregate Root	Transaction Scope	2 Pizza Size
Which of the following approaches are used to integrate micro services ?	Orchestration at Service Level	Orchestration at Gateway Level	Shared Database	Choreography