Microservices Architecture MCQ Answers

**Q1.Complexity of developing, testing & deploying distributed system, Handling partial failures account to disadvantages of**ANS – Microservices

**Q2.Decomposition of Microservices based on 2 categories namely**ANS – Business capability , Subdomain

**Q3.Benefits of Microservices include –**ANS – All the options

**Q4.Agile development & Deployment is difficult in case of *\_\_\_\_\_\_***ANS – Monolithic

**Q5.Simple to Develop, Test, Deploy, Scale represents *\_\_\_\_\_\_***ANS – Monolithic

**Q6.Software built as microservices can, by definition, be broken down into multiple component services ?**True

**Q7.Separating components with conflicting resource requirements falls under the bucket of *\_***ANS – Microservices

**Q8.Is Microservice is considered as subset of SOA ?**True

**Q9.The 3Cs of Microservices includes all these except *\_\_***ANS – Control

**Q10.The services communicate with each other internally *\_\_*\_\_**ANS – Both Messaging and Remote Procedure invocation

**Q11.The 2 types of Service Discovery only includes Client-side & server-side discovery ?**True

**Q12.External clients communicate with Microservices using \_\_\_\_\_\_**ANS – API GATEWAY

**Q13.Scenarios where client takes onus & are responsible for determining the network locations of available service instances**ANS – Client-side

**Q14.API Gateway ensures *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***ANS – All the options

**Q15.Netflix OSS is example *\_\_***ANS – Client-side

**Q16.AWS Elastic Load Balancer (ELB) is an example of a *\_\_\_\_\_\_***ANS – Server-side discovery

**Q17.Which acts as database of services**ANS – Service Registry

**Q18.Which ensures to insulate the applications by acting as barrier**ANS – API Gateway

**Q19.The client expects a timely response from the service and might even block while it waits represents\_\_\_\_\_\_\_\_\_\_client service interaction styles**ANS – Synchronous

**Q20.\_\_\_\_\_\_*\_* helps to control & limit the number of consecutive request failures crosses a threshold,**ANS – Circuit breaker

**Q21.Amazon EC2 Container Service is an example of *\_\_\_\_***ANS – Docker

**Q22.The transactions that span across multiple services are handled by**ANS – Event driven Architecture

**Q23.Microservices supports different kinds of databases and this is called *\_\_*.**ANS – Polyglot persistence

**Q24.Microservices-based architecture enforces a Modular structure ?**True

**Q25.The 2 components of CQRS include\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**ANS – Query & command side

**Q26.packer.io & Boxful represents *\_\_\_\_\_\_\_\_\_\_\_\_\_\_* type of pattern**ANS – Service Instance per Host

**Q27.Efficient Utilization & Fast Deployment represent which pattern *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***ANS – Multiple Services per Host pattern

**Q28.IDL stands for *\_\_\_\_\_\_\_\_\_\_***ANS – Interface definition language

**Q29.Which of these represent the drawback of Multiple Services per Host pattern**ANS – faulty deployment

**Q30.Service Instance per Host pattern provides *\_\_\_\_***All the options

**Q31.Caching helps in improving the performance of the system ?**True

**Q32.In Microservices, the API Gateway takes care of the security aspect by rendering *\_\_\_\_***ANS – Access tokens

**Q33.Which pattern collects & reports all exceptions to a centralized exception tracking service**ANS – Exception tracing

**Q34.Which of this does not represent caching types\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**ANS – Server cache

**Q35.Microservice Chassis takes care of all except *\_\_\_\_\_\_***ANS – token generation

**Q36.\_\_\_*\_\_* is ability to store something temporarily in order to reduce the loading times and I/O of a system.**ANS – Cache

**Q37.In *\_\_*, each external request is tagged with unique identifier which is passed to all services involved in handling the request and included in application logging messages**ANS – Distributed tracing

**Q38.Microservice Architecture adapts following concepts**AMS – All the options

**Q39.In *\_\_* each external request is tagged with unique identifier which is passed to all services involved in handling the request and included in application logging messages**ANS – Distributed tracing

**Q40.When any single application function or component fails, then the entire application goes down. (Single point of failure ) This is primary disadvantage of *\_\_\_\_***ANS – Monolithic

**Q41.Functional Decomposition is an example of *\_\_*\_\_\_\_\_**ANS – Microservices

**Q42.Which among these helps in developing a microservice quickly *\_\_\_\_\_\_\_***ANS – Chassis

**Q43.Scaling the application can be challenging in *\_* due to conflicting needs of Memory, CPU, IO**ANS – Monolithic

**Q44.Monolithic is identified by all these disadvantages except\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**ANS – Quick initial development

**Q45.Long term commitment of Technology stack is a weakness of which model of architecture**ANS – Monolithic

**Q46.Microservices based architecture prefers *\_*\_\_\_\_\_\_**Answer:-No dependency on any particular DB

**Q47.Service Instance per Container pattern include all except *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***ANS – Slow Deployment