

SRM UNIVERSITY DELHI-NCR, SONEPAT

Registration No.:

11519210005

MST-I (APRIL-2022)

B. Tech (CSE) VI Semester

Subject Code: CDV3022

Subject Name: Domain-Driven approach to Design
& Implement Microservices

Duration: 90 min

Max. Marks: 50

Note: Question Paper consists of two parts (Part-A and Part-B).

All Questions are compulsory in Part-A.

Answer any THREE Questions from Part-B.

Neat diagrams must be drawn whenever necessary.

PART A:(10*2)

1. List out the benefits of Software Architecture.
2. What are the parts present in monolithic enterprise applications?
3. Mention any three strengths of SOA.
4. Draw the MS architecture.
5. Justify loose coupling in MS architecture.
6. Implementing fault tolerance in Microservices helps in _____?
7. Why context is important?
8. What is an Anti-corruption layer?
9. Define DDD.
10. Define the DDD building blocks.

PART B:(10*3)

1. Write short notes on Software architecture and its stakeholders, SOA components and its principles.
2. Explain in detail Microservices architecture components, principles and its strength.
3. How Domain Driven design applies to microservices.
4. Brief it Service communication and the API gateway.

40

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MST-2 (MAY-2022)

B. Tech (CSE) VI Semester

Subject Code: CDV3022

Duration: 90 min

Subject Name: Domain-Driven approach to Design
& Implement Microservices

Max. Marks: 50

Note: Question Paper consists of two parts (Part-A and Part-B).

All Questions are compulsory in Part-A.

Answer any THREE Questions from Part-B.

Neat diagrams must be drawn whenever necessary.

PART A:(10*2)

1. How information security programs are built.
2. Differentiate confidentiality and integrity.
3. Define OWASP.
4. What are the advantage between statefull and stateless services?
5. Discuss the difference between containerization and virtualization.
6. Write any three advantages of microservices with containers.
7. What are the best practices in microservices and containers?
8. Draw kubernetes architecture.
9. List out the tools help to provide a defense of integrity.
10. Why API gateway?

PART B:(10*3)

1. Write short notes on Injection, Broken Authentication, and XML external entities.
2. Explain briefly Rainyday Grocer ordering-delivery process, and microservices reference architecture.
3. Write short notes on Cross site scripting, Insecure deserialization, and security misconfiguration.
4. Explain symmetric key encryption/decryption of message "LIVE WHAT YOU LOVE", let key is 4 and use ceaser cipher method.