

1. Which is responsible for getting connection to the database?

- ☐ Statement
- ☐ ResultSet
- ☒ Driver
- ☐ Connection

2. Which Annotation used for entity manager injection in EJB components?

- ☐ @Persistence
- ☐ @PersistenceCon
- ☒ @PersistenceContext
- ☐ None of the mentioned

3. Which of the following is/are the Spring web flow feature?

- ☐ Flow
- ☐ View
- ☐ Conversation
- ☒ All of the above

4. What is the objective of AOP ?

- ☐ MVC logic
- ☐ Constraint logic
- ☐ Bean logic

☐ Crosscutting logic

5. Which of the following class maintain Hibernates session factory for spring?

☐ Application context

☒ SessionFactory

☐ method

☐ None

6. What is the main benefit of using Data Source ?

☒ it is possible to use a database connection pool to fetch database connection

☐ it is possible to directly connect to a database without using connection parameters

☐ it automatically enables distributed transactions

☐ it facilitates logging of database queries and their results

7. Which Method used to process bean ?

☐ postProcessAfterInitialization()

☒ postProcessBeforeInitialization()

☐ scope

☐ it's own constructor

8. Where we configure DispatcherServlet ?

☐ In Beans configuration file

☐ Web-inf/dispatcher.xml

☐ Meta-inf/dispatcher.xml

☒ In web.xml file

9. How can we return contextual sessions ?

☐ getSession() method

☐ getCurrent() method

☒ getCurrentSession() method

☐ HibernateContext

10. Which of the following are types of IoC containers?

☐ BeanFactory

☐ BeanContext

☐ ApplicationContext

☐ ApplicationFactory

☒ Both A & C

11. Spring supports which of the following format?

☐ CurrencyFormatter

☐ DateFormatter

☐ NumberFormatter

☒ Above all

12. In a web application, in terms of bean scopes, there are which scopes are available? *

- ☐ Request
- ☐ Session
- ☐ Application
- ☒ Above all

13. How many ways you can configure spring dependency?(choose two)

- ☐ Externally in Xml file
- ☐ Text file
- ☐ Faces-config
- ☐ Java annotations
- ☒ Both A & D

14. Why we use named parameters ?

- ☐ Callable Statements
- ☐ Statements
- ☒ Prepared Statements
- ☐ Transactions

15. Which of the following is return row?

- ☐ mapRow()
- ☐ query()
- ☒ update()

☐ none

16. Which of the following is the Annotation for Controller Class?

☐ @After

☐ @Exception

☐ @Before

☒ @Controller

17. Which of the following method return the JDBC template?

☐ getTemplate()

☐ getJdbc()

☒ getJdbcTemplate()

☐ setJdbcTemplate()

18. What do you mean by CRUD?

☐ Create, Run, Update, Destroy

☒ Create, Read, Update, Delete

☐ Create, Run, Update, Delete

☐ Create, Read, Update, Destroy

19. What is the abbreviation of DTO ?

☐ Database Objects

☒ Data Transfer Objects

☐ Data Objects

☐ None

20. Which of the following layer is used for @Controller annotation ?

☐ Session layer

☐ Business layer

☐ Service layer

☒ Presentation layer

21. In Spring Web Flow, a flow consists of a series of steps is called

☐ Model

☐ Instance

☒ States

☐ Object

22. How many ways Inversion of control is executed?

☐ Dependency lookup

☐ Dependency injection

☐ Traditional approach

☒ Both a & b

23. Which of the following statements is/are correct for spring beans?

☐ Spring beans are simple POJOs

- ☐ Spring beans are managed by IoC container
- ☐ Spring beans are instantiated and assembled
- ☒ All of the above

24. Which of the following are core concepts of AOP?

- ☐ Joinpoints
- ☐ Advice
- ☐ Pointcuts
- ☒ All of the above

25. Using named parameters is preferred due to

- ☐ proxy pattern usage
- ☐ low cohesion
- ☐ loose coupling
- ☒ improved code maintainability

1. What should we do to publish a REST service with Spring?

- ☐ publishing an application's data as a REST service
- ☐ accessing data from third-party REST services
- ☒ all of the mentioned

2. How can you Annotation for Hibernate exceptions ?

- ☐ @Repo

- ☒ @Repository
- ☐ @Translation
- ☐ None of the mentioned

3. Which of the following repository is used in Spring?

- ☒ JPA
- ☐ JDB
- ☐ JBoss Seam
- ☐ Velocity

4. How many ways we can configure the ApplicationContext ?

- ☐ XML based
- ☐ SpEL Based
- ☐ Annotation based
- ☒ A & C

5. Which of the following is correct related to JdbcTemplate ?

- ☐ it is not necessary to write SQL queries
- ☒ it is not necessary to manage connections in the application code
- ☐ SQL queries automatically become database agnostic
- ☐ object relational mapping is available out of the box

6. Which of the following component intercepts all requests from Spring MVC application?

- ☒ DispatcherServlet
- ☐ ControllerServlet
- ☐ FilterDispatcher

7. How can you close the database resources?

- ☐ Statement then Connection then ResultSet
- ☒ Connection then Statement then ResultSet
- ☐ ResultSet then Statement then Connection
- ☐ Statement then ResultSet then Connection

8. Why we use jdbcTemplate?

- ☐ Mentioned problems of JDBC API.
- ☐ It provides you methods to write the queries directly,
- ☐ It saves a lot of work and time.
- ☒ All of the above

9. How can you handle the shut down of IoC container?

- ☐ Using shutdownHandler()
- ☒ Using registerShutdownHook()
- ☐ Using registerHook()

☐ Using shutdownHook()

10. What do you mean by inversion of Control ?

☐ IOC is a technique that internalizes the creation of management of component dependencies

☒ IOC is a technique that externalizes the creation of management of component dependencies.

☐ a & b

☐ None

11. How can you annotate a transaction ?

☒ @Transactional

☐ @Transactions

☐ @Transaction

☐ None of the mentioned

12. Which of the following is true?

☒ ApplicationContext extends BeanFactory

☐ BeanFactory extends ApplicationContext

☐ BeanFactory implements ApplicationContext

☐ ApplicationContext implements BeanFactory

13. Transaction and AOP service, message source for internationalization (i18n), and application event handling services are provided by ?

- ☐ BeanFactory
- ☐ FactoryBean
- ☒ ApplicationContext
- ☐ ActionServlet

14. Which of the following is the default, @RequestMapping ?

- ☐ GET
- ☐ PUT
- ☐ POST
- ☒ None

15. What is the purpose of Named parameters ?

- ☒ Prepared Statements
- ☐ Callable Statements
- ☐ Transactions
- ☐ Statements

16. Which of the following is a correct SQL resultset mapping at the entity class ?

- ☒ @SqlResultSetMapping
- ☐ @SqlResultSetExactor
- ☐ @SqlResultSetQuery

17. Which is/are ORM frameworks?

- ☐ Hibernate
- ☐ EclipseLink/ TopLink
- ☐ OpenJPA
- ☒ All are above

18. Which of the following method is used to shutdown all the bean processes after closing the spring container?

- ☐ destroy method
- ☐ none of the mentioned
- ☒ shutdownHook
- ☐ All of the mentioned

19. Which of the following class belongs to the Spring Jdbc module?

- ☐ JdbcDaoSupport
- ☒ JdbcTemplateSupport
- ☐ JdbcTemplateDaoSupport
- ☐ JdbcObjectDaoSupport

1. Which of the following module provides basic web-oriented integration ?

- ☒ Web-MVC module

- ☐ Web-Socket module
- ☐ Web module
- ☐ Web-Portlet module

2. Which of the following technology in spring is used to allow an application to manipulate Java objects at runtime?

- ☐ Weaving
- ☒ SpEL
- ☐ CRPC
- ☐ JCP

3. When Dependency Injections are executed ?

- ☐ Coding time
- ☐ Compile time
- ☒ Run time

4. What is the main advantage of using Data Access Object ?

- ☐ It provides access credentials to the data objects
- ☒ It hides database specific implementation from the other layers of the application
- ☐ It always provides non jdbc specific implementation
- ☐ It provides object modeling for data

5. Which of the following is the alternative to Spring HibernateTemplate

☒ **Hibernate contextual sessions**

☐ HibernateContext

☐ All of the mentioned

☐ None of the mentioned

6. Which of the following is a destruction method ?

☐ afterPropertiesSet

☒ **destroy-method attribute**

☐ init-method attribute

☐ None

7. Which of the following exception classes is related to all the exceptions thrown in spring applications?

☐ NullPointerException

☒ **DataAccessException**

☐ SpringException

☐ ArrayIndexOutOfBounds

8. Which of the following is the default scope of bean?

☐ Request

☒ Singleton

☐ Prototype

☐ Session

9. Why do you design to interfaces?

☒ Loose coupling

☐ Reduce coupling

☐ Remove coupling

☐ All of the above

10. How many ways we decomposed into two subtypes ?

☐ Dependency Injection

☐ Dependency Lookup

☐ Bean factory

☒ A & B

11. What is the limitation of traditional Factory Pattern?

☐ Single implementation

☒ Multiple implementation

☐ Both a & b

☐ None

