Java\_Spring\_Topics\_A3 To A5\_Cloud1

Q1>Choose the scope which is added in Spring5 version?

Single Choice - Select one correct answer from the options list.

a. Session

b. WebSocket.................................

c. Singleton

d. Prototype

Q2>Which of the following method is used to return a TransactionStatus object that depends on a TransactionDefinition parameter?

Single Choice - Select one correct answer from the options list.

a.getTransaction()........................

b.setTransaction()

c.isNewTransaction()

d.setRollbackOnly()

Q3> How to configure spring in a web application?

Single Choice - Select one correct answer from the options list.

a. <listener>

<listener-class> context.ContextLoaderListener</listener-class>

</listener>

b. <listener>

<listener-class>org.springframework.web.context</listener-class>

</listener>

c. <listener>

<listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>

</listener>

d. <listener>

<listener-class>org.web.context.ContextLoaderListener</listener-class>

</listener>

Q4> Which of the following interface are not used to create an Advice in Spring framework?

Single Choice - Select one correct answer from the options list.

a.org.aopalliance.intercept.MethodInterceptor

b.org.springframework.aop.BeforeAdvice

c.org.springframework.aop.MethodSingleton.............................

d.org.springframework.aop.ThrowsAdvice

Q5> How to configure database driver in spring?

Single Choice - Select one correct answer from the options list.

a.To configure your database driver using datasource "org.springframework.jdbc.datasource.DriverManagerDataSource".

For Example:

<bean id="dataSource" class="org.springframework.jdbc.datasource.DriverManagerDataSource">

<property name="driverClassName">

<value>org.hsqldb.jdbcDriver</value>

</property>

<property name="url">

<value>jdbc:hsqldb:db/appfuse</value>

</property>

<property name="username"><value>sa</value></property>

<property name="password"><value></value></property>

</bean>

To configure your database driver using datasource "org.springframework.jdbc.datasource.DriverManagerDataSource". For Example:

<bean id="dataSource" class="org.springframework.jdbc.datasource.DriverManagerDataSource">

<property name="driverClassName">

<value>org.hsqldb.jdbcDriver</value>

</property>

<property name="url">

<value>jdbc:db/appfuse</value>

</property>

<property name="username"><value>sa</value></property>

<property name="password"><value></value></property>

</bean>

To configure your database driver using datasource "org.springframework.jdbc.datasource.DriverManagerDataSource". For Example:

<bean id="dataSource" class="org.springframework.jdbc.datasource.DriverManagerDataSource">

<property name="driverClassName" value=”value”>

<value>org.hsqldb.jdbcDriver</value>

</property>

<property name="url">

<value>jdbc:hsqldb:db/appfuse</value>

</property>

<property name="username"><value>sa</value></property>

<property name="password"><value></value></property>

</bean>

To configure your database driver using datasource "org.springframework.jdbc.datasource.DriverManagerDataSource". For Example:

<bean id="dataSource" class="org.springframework.jdbc.datasource.DriverManagerDataSource">

<property name="driverClassName">

<value>org.hsqldb.jdbcDriver</value>

</property>

<property name="url">

<value>jdbc:hsqldb:db/appfuse</value>

</property>

<properties name="username" value=”sa”></properties>

<properties name="password" value=”sa”> </properties>

</bean>

Q6

What is the purpose of “Prototype” scope for a bean in Spring?

Single Choice - Select one correct answer from the options list.

Spring creates a new object every-time for the given class..................

Spring creates only one instance for the given class

There is no such thing as a “Prototype” scope for a spring bean

Spring beans don’t have scopes, it’s just a bean.

Q7

What is data-source in spring?

Single Choice - Select one correct answer from the options list.

Means to provide connection details to the database.......................

Input file reader from which you can read data

Both A and B

None of the above

Q8

What are the different points where weaving can be applied?

Single Choice - Select one correct answer from the options list.

RunTime.

CompileTime.

ClassLoadTime.

All the Above...........................

Q9

Following property is set for what reason

spring.autoconfigure.exclude=

my.xyz.SomeAutoConfig

Single Choice - Select one correct answer from the options list.

To exclude unnecessary or misconfigured ................................

Auto configurations via

properties

Reconfiguring

AutoConfiguration via

properties

Overriding conditions

For completely

custom

Autoconfiguration

Q10

Which of the following types of testing are supported by spring?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Unit Testing.........................

Intergration Testing..............................

BlackboxTesting

WhiteBocTesting

Q11

The different modules in Spring framework are?

• Application context module

• The Core container module

• AOP module (Aspect Oriented Programming)

• JDBC abstraction and DAO module

• O/R mapping integration module (Object/Relational)

• Web module

• MVC framework module

Single Choice - Select one correct answer from the options list.

True..................................

False.

Q12

When using the ApplicationContext directly, other than in a web-based environment, how do you guarantee that Spring will properly shut down the container, calling relevant destroy callbacks, when the program is about to exit?

Single Choice - Select one correct answer from the options list.

Create a Runnable that extends the AbstractApplicationContextCall class and call the registerShutdownHook() method from within the run method.

Call the registerShutdownHook() method statically on the application context as soon as the program starts, but before creating the application context.

Call the registerShutdownHook() method on the application context as soon as the application context is created.......................

Call the registerShutdownHook() method on the application context, passing the main application thread reference.

Q13

Which of the following are bean factory post processors

Single Choice - Select one correct answer from the options list.

CustomEditorConfigurer

PropertyPlaceholderConfigurer.................................

Both of the above

None of the above

Q14

What is the use of <tx:annotation-driven/> ?

Single Choice - Select one correct answer from the options list.

Scans for @Controller, @Service, @Repository

Enables scanning of declarative transactions

It enables the transfer of messages via JMS

None of the above...................................

Q15

What is the purpose of init-method and destroy- method in Spring bean?

Single Choice - Select one correct answer from the options list.

There are no such methods in spring bean

Init-method helps with performing custom initialization while destroy method helps in cleaning up any resources once the context is destroyed.......................

Calling destroy-method crashes the spring container while init-method restarts the spring container

None of the above

Q16

Consider the following code

. <tx:advice id="txAdvice" transaction-manager="txManager">

<tx:attributes>

<tx:method name="\*" read-only="true" rollback-for="NoEmployeeFound"/>

</tx:attributes>

</tx:advice>

Based on the sample code above, the rollback-for attribute within the <tx:method> element causes Spring to rollback a transaction if a(n):

Single Choice - Select one correct answer from the options list.

Checked exception of the class "NoEmployeeFound" or any unchecked exception or error is thrown.

checked exception of the class "NoEmployeeFound" is thrown.

throwable containing the message "NoEmployeeFound" is thrown.

unchecked exception of the class "NoEmployeeFound" or any checked exception or error is thrown.

Q17

/\* Employee.java \*/

package com.acme.hr;

public class Employee {

private String name;

private int age;

public Employee(String name) {

setName(name);

}

public void setName(String pName) {

name = pName;

}

public void setAge(int pAge) {

}

public void init() {

setName("Bob Smith");

}

public void init2() {

setName("Robert Smith");

}

}

<!-- Springconfig.xml -->

<beans default-init-method="init">

<bean id="employee" class="com.acme.hr.Employee" init-method="init2">

<constructor-arg index="0" value="John Doe"/>

<property name="name" value="Jane Doe" />

<property name="age" value="35" />

</bean>

</beans>

Based on the sample code above, what is value of the name attribute for the employee bean after the container creates and initializes the bean?

Single Choice - Select one correct answer from the options list.

Bob Smith

Robert Smith

Bob Doe

John Doe

Q18

Select the scopes of a bean available with Bean Factory: (Choose 2)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Singleton..............all

Prototype

Request.

Session.

Q19

How to configure JNDI instead of datasource in spring applicationcontext.xml?

Single Choice - Select one correct answer from the options list.

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="className">

<values>java:comp/env/jdbc/appfuse</values>

</property>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean name="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="viewClass">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<properties name="jndiDataSource">

<value>java:comp/env/jdbc/appfuse</value>

</properties>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="jndiName">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

Q20

return new ModelAndView("welcomePage","WelcomeMessage","Welcome!");

In the above code the first parameter is the logical name of a vew component.

Single Choice - Select one correct answer from the options list.

TRUE..........................

FALSE

Q21

What is the use of JdbcTemplate in spring?

Single Choice - Select one correct answer from the options list.

Class that manages connection to databases

Eliminates boiler plate code

Handles SQL Exception properly

All of the above........................

Q22

Which of the following can be used to configure context loader in web.xml file

Single Choice - Select one correct answer from the options list.

ContextLoaderListener.......................

ContextLoader

ContextListener

None of the above

Q23

Which is used to map the logical View names to actual viewimplementations in spring MVC?

Single Choice - Select one correct answer from the options list.

ViewResolver...................................

HandlerMapping.

ModelandView.

None of the above.

Q24

When injecting values using a constructor, what attributes are required within the <constructor-arg> element if no bean definition is embedded within the <constructor-arg> element?

Single Choice - Select one correct answer from the options list.

value and type.......................

value or index

value and ref

value or ref

Q25

Which of the following method is used to return fetch size specified for the JdbcTemplate class?

Single Choice - Select one correct answer from the options list.

getMaxRows()

getFetchSize()...................................

getColumnMapRowMapper()

getColumnSize()

Q26

Overriding the struts RequestProcessor protects the Struts action from knowing that it is being managed by spring.State true or false .

Single Choice - Select one correct answer from the options list.

True........................................

False.

Q27

Which of the following is not the types of Advice?

Single Choice - Select one correct answer from the options list.

Before advice.

After returning advice.

After completion advice.....................

After advice.

Q28

Which is the correct way to configure server port in spring boot application

Single Choice - Select one correct answer from the options list.

add property 'server.port' in application.properties in /src/main/resources..............................

set boot.server.port as a system property using JVM command line option

adding an entry in conf/context.xml of embedded container

add property server: port: 8080 in application.properties in /src/main/resources

Q29

Which dependency need to be

mentioned to enable Spring MVC

module in an application

Single Choice - Select one correct answer from the options list.

spring-boot-starter-data-jpa

spring-boot-starter-web......................................

spring-boot-starter-test

spring-boot-starter-tomcat

Q30

In DAO, The implementation of an application object requires only hibernate session factory.

This can be provided as a simple bean reference from the spring application context.

Select the valid bean implementation for the above scenario:

Single Choice - Select one correct answer from the options list.

<beans>

<bean id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</bean>

</beans>

<beans id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</beans>

<beans>

< bean id=”emplDao” class=”emp.empDao”>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

<beans>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

Spring

Java\_Spring\_Topics\_A3 To A5\_Cloud1

Section:

• 1

Time Left : 00 : 35

List View

Active Attempted Not Attempted

Q1

In DAO, The implementation of an application object requires only hibernate session factory.

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Select the valid bean implementation for the above scenario:

Single Choice - Select one correct answer from the options list.

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<property name=”sessionfactory” ref=”mysessionfactory”>

</bean>

</beans>

<beans id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</beans>

<beans>

< bean id=”emplDao” class=”emp.empDao”>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

<beans>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

Q2

Annotation @Autowire can be used in Constructors and setter methods only?

Single Choice - Select one correct answer from the options list.

TRUE

FALSE……………………….

Q3

What is the use of JdbcTemplate in spring?

Single Choice - Select one correct answer from the options list.

Class that manages connection to databases

Eliminates boiler plate code

Handles SQL Exception properly

All of the above………………………

Q4

Consider the following code

. <tx:advice id="txAdvice" transaction-manager="txManager">

<tx:attributes>

<tx:method name="\*" read-only="true" rollback-for="NoEmployeeFound"/>

</tx:attributes>

</tx:advice>

Based on the sample code above, the rollback-for attribute within the <tx:method> element causes Spring to rollback a transaction if a(n):

Single Choice - Select one correct answer from the options list.

Checked exception of the class "NoEmployeeFound" or any unchecked exception or error is thrown.

checked exception of the class "NoEmployeeFound" is thrown.

throwable containing the message "NoEmployeeFound" is thrown.

unchecked exception of the class "NoEmployeeFound" or any checked exception or error is thrown.

Q5

Which of the following is not the types of Advice?

Single Choice - Select one correct answer from the options list.

Before advice.

After returning advice.

After completion advice………………………..

After advice.

Q6

Statement A:

The TransactionTemplate adopts the same approach as other spring templates such as JdbcTemplate.

Statement B:

TransactionTemplate is not threadsafe

Single Choice - Select one correct answer from the options list.

Both Statement A and Statement B are false.

Both Statement A and Statement B are true.

Statement A is true and Statement B is false …………………….

Statement A is false and Statement B is true

Q7

Which build tools are supported by

Spring Boot framework out of box

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Maven………………….

Gradle………………………

Ant……………………..

Make

Q8

Join point is always a method in Spring AOP.

State true or false.

Single Choice - Select one correct answer from the options list.

True……………………………

False.

Q9

What is data-source in spring?

Single Choice - Select one correct answer from the options list.

Means to provide connection details to the database…………………

Input file reader from which you can read data

Both A and B

None of the above

Q10

Which of the following annotations can be used on fields, parameters or custom annotations?

Single Choice - Select one correct answer from the options list.

@autowired ………………..

@resource.

@Qualifier.

@component.

Q11

How do you enable spring to scan for declaration of MVC layer beans in spring?

Single Choice - Select one correct answer from the options list.

<mvc:annotation-init/>

<mvc.annotation-load/>

<mvc:annotation-driven/>………………………….

None of the above

Q12

Following property is set for what reason

spring.autoconfigure.exclude=

my.xyz.SomeAutoConfig

Single Choice - Select one correct answer from the options list.

To exclude unnecessary or misconfigured …………………..

Auto configurations via

properties

Reconfiguring

AutoConfiguration via

properties

Overriding conditions

For completely

custom

Autoconfiguration

Q13

Spring's support for annotations such as @Autowired and @Resource, provides dependency injection for private/protected fields, setter methods, and configuration methods.

State true or false.

Single Choice - Select one correct answer from the options list.

True…………………………

False.

Q14

Does spring handle Multipart request?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

No by default………………………….

Yes, if we configure Multipart resolver with commons library in classpath…………………..

There is no such thing as Multipart request

None of the above

Q15

Which dependency need to be

mentioned to enable Spring MVC

module in an application

Single Choice - Select one correct answer from the options list.

spring-boot-starter-data-jpa

spring-boot-starter-web…………………………………….

spring-boot-starter-test

spring-boot-starter-tomcat

Q16

Which of the following tag is used navigate through the collection?

Single Choice - Select one correct answer from the options list.

<util:list/>………………………..

<util:constant/>

<util:property-path/>

<util:properties/>

Q17

Which of the following are the benefits of Aspect Oriented Programming?

Single Choice - Select one correct answer from the options list.

More Code reuse

Late Binding of design decisions.

Higher modularization

All the above……………………..

Q18

How do you read request parameter values into spring controller methods?

Single Choice - Select one correct answer from the options list.

You cannot bind them at all

You cannot bind them and have to manually do request.getParameter()

You can do either request.getParameter inside method or @RequestParam in method args…………………………………………………

None of the above

Q19

What are the ways of resolving constructor arguments for the following class in Xml?

class MyClass {

public MyClass(int firstval, int secondVal) {

}

}

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Specify arguments in the required order in the bean defination

Specify the index attribute for each constructor argument……………………………..

Specify the type attribute for each constructor argument

user the @ConstructorProperties argument and name attribute for each constructor arg

Q20

In which of the following jar, the integration testing classes are packaged?

Single Choice - Select one correct answer from the options list.

spring-core.jar

spring-integration-test.jar……………………….

spring-beans.jar

spring-support.jar

Q21

In Unit Testing ,\_\_\_\_\_\_\_ package contains a set of Portlet API mock objects, targeted at the usage with Spring portlet MVC framework

Single Choice - Select one correct answer from the options list.

org.springframework.mock.web.portlet………………………………….

org.springframework.mock.web

org.springframework.jndi.

org. springframework.unittesting.

Q22

The Java Bean Property is automatically populated by \_\_\_\_\_\_\_\_\_

Single Choice - Select one correct answer from the options list.

DelegatingResponseProcessor.

ResponseProcessor

DelegatingRequestProcessor

RequestProcessor……………………………….(doubt)

Q23

Which feature is not supported by Spring framework

Single Choice - Select one correct answer from the options list.

IOC

Interface Injection……………………….

JDBC Transaction

JDBC Exception Handling

Q24

Choose the ORM tools that are supported by spring Framework : (Choose all that apply)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Hibernate……………………………

Ibatis…………………………………

Java Persistence API………………………….

Top Link.

Q25

Spring has its own Model View Controller (MVC), but it can be integrated with other web frameworks like Struts. State true or false

Single Choice - Select one correct answer from the options list.

TRUE………………………………

False.

Q26

Which of the following method is used to return a TransactionStatus object that depends on a TransactionDefinition parameter?

Single Choice - Select one correct answer from the options list.

getTransaction()………………………

setTransaction()

isNewTransaction()

setRollbackOnly()

Q27

What is the use of <mvc:annotation-driven/> in spring?

Single Choice - Select one correct answer from the options list.

It configures the basic setup for a MVC application………………………..

It just let spring know application is using Annotations

There is no such xml element in Spring

None of the above

Q28

Which of the following is valid Configuration for JNDI instead of Datasource in Application Context.XML?

Single Choice - Select one correct answer from the options list.

<bean id=dataSource class=org.springframework.jndi.JndiObjectFactoryBean>

<property name="jndiName">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

<bean id="dataSource" class=org.springframework.jndi.JndiObjectFactoryBean>

<property name="jndiName">

<value>java:comp/env/jdbc/appfuse

</property>

</bean>

<bean id="dataSource" class=org.springframework.JndiObjectFactoryBean.>

<property name="jndiName">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

<bean id="dataSource" class=org.springframework.jndi.JndiObjectFactoryBean>

<property name="jndiName">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

Q29

What is the purpose of init-method and destroy- method in Spring bean?

Single Choice - Select one correct answer from the options list.

There are no such methods in spring bean

Init-method helps with performing custom initialization while destroy method helps in cleaning up any resources once the context is destroyed…………………………….

Calling destroy-method crashes the spring container while init-method restarts the spring container

None of the above

Q30

package com.acme.hr;

public class Employee {

private String employeeId = "Default";

public void setEmployeeId(String employeeId) {

this.employeeId = employeeId;

}

}

Based on the sample code above, what do you use to set the employeeId attribute to null?

Single Choice - Select one correct answer from the options list.

<bean id="employee" class="com.acme.hr.Employee">

<property name="employeeId">

<value>null</value>

</property>

</bean>

<bean id="employee" class="com.acme.hr.Employee">

<property name="employeeId"/>

</bean>

<bean id="employee" class="com.hr.acme.Employee">

<property name="employeeId">

<value><null/></value>

</property>

</bean>

<bean id="employee" class="com.acme.hr.Employee">

<property name="employeeId" value="null"/>

</bean>

Spring

123456789101112131415161718192021222324252627282930

1 out of 30 Submit Assessment

Q1) How do you declare a full 3 tier MVC layer in spring through annotations?

Single Choice - Select one correct answer from theoptions list.

1.@SpringMVC and <context:component-scan/>

2.@Controller, @Service, @Repository and <context:component-scan/>

3.@Controller, @Service, @DAO and <context:component-scan/>

4.None of the above

Q2) How would you define an Aspect?

Single Choice - Select one correct answer from theoptions list.

1.An aspect is a class that holds a Pointcut at a particular join point defining the type of advice to execute when that pointcut expression matches...................

2.Aspect is simple a class nothing more

3.A point in the execution of a program such as method name

4.Expression that is used to identify join-points

Q3) Which of the following scope is applied for stateless beans?

Single Choice - Select one correct answer from theoptions list.

1.Request

2.Singleton........................

3.Prototype

4.Session

Q4) Statement A:

Programmatic transaction management is usually a good idea only if you have a small number of transactional operations.

Statement B:

If your application has numerous transactional operations, declarative transaction management is usually worthwhile. It keeps transaction

management out of business logic, and is not difficult to configure.

Single Choice - Select one correct answer from theoptions list.

1.Both A and B are True.

2.Both A and B are False .

3.A is True and B is False.

4.A is False and B is True

Q5) Which of the following package provides the feature of point cuts in aspect oriented programming?

Single Choice - Select one correct answer from theoptions list.

1.AOP................

2.MVC

3.DAO

4.Web

Q6) Select the common implementations of ApplicationContext?

Single Choice - Select one correct answer from theoptions list.

1.ClassPathXmlApplicationcontext........................

2.FileSystemXmlApplicationcontext.

3.XMLWebApplicationContext.

4.All the above.

Q7) What is the use of JdbcTemplate in spring?

Single Choice - Select one correct answer from theoptions list.

1.Class that manages connection to databases

2.Eliminates boiler plate code

3.Handles SQL Exception properly

4.All of the above..........................

Q8) What base class is used to resolve Spring views?

Single Choice - Select one correct answer from theoptions list.

1.UIResolver

2.FrontEndResolver

3.ViewResolver........................

4.SpringViewResolver

Q9) In DAO, The implementation of an application object requires only hibernate session factory.

This can be provided as a simple bean reference from the spring application context.

Select the valid bean implementation for the above scenario:

Single Choice - Select one correct answer from theoptions list.

1.<beans>

<bean id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</bean>

</beans>

2.<beans id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</beans>

3.<beans>

< bean id=”emplDao” class=”emp.empDao”>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

4.<beans>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

Q10) Which controller is used to transforms the virtual filename at the end of a URL into a view name and returns that view?.

Single Choice - Select one correct answer from theoptions list.

1.UrlFilenameViewController.......................

2.SimpleFormController.

3.BaseCommandController

4.AbstractUrlViewController.

Q11) What are the different points where weaving can be applied?

Single Choice - Select one correct answer from theoptions list.

1.RunTime.

2.CompileTime.

3.ClassLoadTime.

4.All the Above...........................

Q12) Which dependency need to be

mentioned to enable Spring MVC

module in an application

Single Choice - Select one correct answer from theoptions list.

1.spring-boot-starter-data-jpa

2.spring-boot-starter-web............................

3.spring-boot-starter-test

4.spring-boot-starter-tomcat

Q13) Which of the following interface is implemented for all Spring-based web controllers?

Single Choice - Select one correct answer from theoptions list.

1.org.springframework.web.servlet.mvc.AbstractFormController

2.org.springframework.web.servlet.mvc.AbstractCommandController

3.org.springframework.web.servlet.mvc.AbstractController ........................................

4.org.springframework.web.servlet.mvc.WebContentInterceptor

Q14) Which is the correct way to configure server port in spring boot application

Single Choice - Select one correct answer from theoptions list.

1.add property 'server.port' in application.properties in /src/main/resources..................................

2.set boot.server.port as a system property using JVM command line option

3.adding an entry in conf/context.xml of embedded container

4.add property server: port: 8080 in application.properties in /src/main/resources

Q15) Which provides a more complete AOP implementation by letting an aspect’s

pointcut definition to decide which beans need to be proxied, rather than requiring

you to explicitly create proxies for specific beans?

Single Choice - Select one correct answer from theoptions list.

1.Autoproxying

2.Pointcut

3.AspectJ...............................

4.Proxy

Q16) How many types of injection does Spring support? What are they?

Single Choice - Select one correct answer from theoptions list.

1.Spring doesn’t support any injection.

2.Spring supports only one constructor injection

3.Spring supports only one method injection

4.Spring supports 2 types of injection, both constructor and method injection.........................................

Q17) Which build tools are supported by

Spring Boot framework out of box

Multiple Choice - This may have multiple correct answers.Select required answer(s) from the options list.

1.Maven........................

2.Gradle............................

3.Ant.........................................

4.Make

Q18) Which of the following methods are available in JdbcTemplate class?

Single Choice - Select one correct answer from theoptions list.

1.QueryForInt(String sql).

2.QueryForInt(String Sql,Object[] args)

3.QueryForList(Sting sql,Object[] args\_

4.All the above...................................

Q19) Spring 2.0 supports aspects by using the\_\_\_\_\_\_\_\_\_\_\_\_

Single Choice - Select one correct answer from theoptions list.

1.@AspectJ...........................

2.AspectJ

3.@pointcut.

4.@AOP

Q20) Statement A: Spring is lightweight Component in terms of both size and overhead

Statement B: Objects in a Spring-enabled application often have no dependencies on Spring-specific classes

Single Choice - Select one correct answer from theoptions list.

1.Statement A and B are true...............................

2.Statement A and B are false.

3.Statement A is true and b is false.

4.Statement A is fasle and b is true.

Q21) Choose the correct Syntax from the following :

Single Choice - Select one correct answer from theoptions list.

1.int rowCount = this.jdbcTemplate.queryForInt ("select count (0) from t\_accrual");

2.int rowCount = this.jdbcTemplate.get("select count (0) from t\_accrual");

3.int rowCount = this.jdbcTemplate.query("select count(0) from t\_accrual");

4.int rowCount = this.jdbcTemplate.query(‘select count(0) from t\_accrual’);

Q22) How do you enable transaction during testing Spring application?

Multiple Choice - This may have multiple correct answers.Select required answer(s) from the options list.

1.By default transaction management is enabled in spring testing

2.Through use of @TransactionConfiguration, we can control the transaction mechanism

3.Using @Transaction on class or method levels

4.None of the above

Q23) Which of the following annotations can be used on fields, parameters or custom annotations?

Single Choice - Select one correct answer from theoptions list.

1.@autowired

2.@resource.

3.@Qualifier.

4.@component.

Q24) Which of the following interface are not used to create an Advice in Spring framework?

Single Choice - Select one correct answer from theoptions list.

1.org.aopalliance.intercept.MethodInterceptor

2.org.springframework.aop.BeforeAdvice

3.org.springframework.aop.MethodSingleton

4.org.springframework.aop.ThrowsAdvice

Q25) What is a pointcut?

Single Choice - Select one correct answer from theoptions list.

1.A Java class encapsulating one or more advices

2.A point during the execution of a program, such as the execution of a method or the handling of an exception. In Spring AOP, this always represents a method

execution.

3.It determines join points of interest, and thus enable us to control when advice executes.

4.Action taken by an aspect at a particular join point. Different types include "around," "before" and "after".

Q26) Which of the following are the advantages of spring framework?(Select two)

Multiple Choice - This may have multiple correct answers.Select required answer(s) from the options list.

1.Spring has layed architecture. Use what you need and leave you don't need.

2.Spring Enables POJO Programming. There is no behind the scene magic here. POJO programming enables continous integration and testability.

3.Dependency Injection and Inversion of Control increase complexity in JDBC .

4.Not open source and need vendor lock-in.

Q27) In ActionSupport class, \_\_\_\_\_\_\_\_\_\_\_ method is used for integrating struts with spring by creating spring context manually.

Single Choice - Select one correct answer from theoptions list.

1.getWebApplicationContext()

2.getApplicationContext()

3.getRequestContext()

4.getXMLApplicationContext()

Q28) The init-method, destroy-method options are better than having a class implement InitializingBean, DisposableBean interfaces.True or false

Single Choice - Select one correct answer from theoptions list.

1.TRUE

2.FALSE

Q29) Choose the correct implementation applied to the concrete class to make it transactional?

Single Choice - Select one correct answer from theoptions list.

1.public interface OrderService

{

void createOrder(Order order);

List queryByCriteria(Order criteria);

}

2.@Transaction

public interface OrderService {

void createOrder(Order order);

List queryByCriteria(Order criteria);

}

3.@AspectJ

public interface OrderService {

void createOrder(Order order);

List queryByCriteria(Order criteria);

}

4.@Transactional

public interface OrderService {

void createOrder(Order order);

List queryByCriteria(Order criteria);

}

Q30) Choose the valid code to update the table using JdbcTemplate class:

Single Choice - Select one correct answer from theoptions list.

1.JdbcTemplate jt=new JdbcTemplate(ds);

int x=jt.executeUpdate(“insert into sample(id,name) value(1,’opera’)”);

2.JdbcTemplate jt=new JdbcTemplate(ds);

jt.executeQuery(insert into sample(id,name)values(1,’opera’));

3.JdbcTemplate jt=new JdbcTemplate(ds);

int x=jt.call(“insert into sample(id,name) values(1,opera)”);

4.JdbcTemplate jt=new JdbcTemplate(ds);

int x=jt.update(“insert into sample(id,name)values(1,’opera’)”);

Java\_Spring\_Topics\_A3 To A5\_Cloud1

Section:

1

Time Left : 00 : 03 List View

Active Attempted Not Attempted

Q1

What is the difference between lazy and eager fetching in Spring?

Single Choice - Select one correct answer from the options list.

Lazy init fetches the collection of records on demand while eager fetching fetches all the collection records.......................................

Lazy initialization helps improve the performance of the application as it saves memory while eager fetching is useful but memory intensive

Both A and B

None of the above

Q2

Which of the following package contains an implementation of the JNDI and it is useful for setting up a single JNDI environment for test suites

Single Choice - Select one correct answer from the options list.

org.springframework.mock.jndi.........................

org.springframework.mock.web.

org.springframework.jndi

org.springframework.mock.web.portlet.

Q3

Select the strategy that allows java serialization by supporting any java interface in Spring application:

Single Choice - Select one correct answer from the options list.

Spring’s Http invoker.

Hessian.

Remote Method Invocation...........................

Burlap

Q4

Which dependency need to be

mentioned to enable Spring MVC

module in an application

Single Choice - Select one correct answer from the options list.

spring-boot-starter-data-jpa

spring-boot-starter-web................................

spring-boot-starter-test

spring-boot-starter-tomcat

Q5

Spring is lightweight when it comes to size and transparency. The basic version of spring framework is around 1MB. And the processing overhead is also very negligible.State true or false.

Single Choice - Select one correct answer from the options list.

True..................................................

False.

Q6

Is the following statement true or false? Spring's default behavior for declarative roll back is only for unchecked exceptions.

Single Choice - Select one correct answer from the options list.

Correct............................................

Wrong

Q7

Which of the following classes are supported by Spring Http invoker?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

HttpInvokerProxyFactoryBean.................................

HttpInvokerServiceExporter...............................

HessianProxyFactoryBean.

HessianServiceExporter

Q8

What is the use of BeforeAdvice in spring?

Single Choice - Select one correct answer from the options list.

It allows to execute any code before the method is executed...........................

It allows to execute any code before an exception is thrown

It allows to execute any code before spring container shuts down

All of the above

Q9

Spring boot is Layered Architecture, similar like Spring Framework.

True or False - Select the correct answer

FALSE

TRUE...........................

Q10

Which of the following interface is implemented for all Spring-based web controllers?

Single Choice - Select one correct answer from the options list.

org.springframework.web.servlet.mvc.AbstractFormController

org.springframework.web.servlet.mvc.AbstractCommandController

org.springframework.web.servlet.mvc.AbstractController..................................

org.springframework.web.servlet.mvc.WebContentInterceptor

Q11

The Java Bean Property is automatically populated by \_\_\_\_\_\_\_\_\_

Single Choice - Select one correct answer from the options list.

DelegatingResponseProcessor.

ResponseProcessor

DelegatingRequestProcessor

RequestProcessor........................(doubt)

Q12

Which build tools are supported by

Spring Boot framework out of box

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Maven.....................

Gradle......................

Ant....................

Make

Q13

Which controller is used to transforms the virtual filename at the end of a URL into a view name and returns that view?.

Single Choice - Select one correct answer from the options list.

UrlFilenameViewController.......................................

SimpleFormController.

BaseCommandController

AbstractUrlViewController.

Q14

Which of the following is not the types of Advice?

Single Choice - Select one correct answer from the options list.

Before advice.

After returning advice.

After completion advice.....................................

After advice.

Q15

Select the valid statement for deleting the table using Spring Jdbc :

Single Choice - Select one correct answer from the options list.

JdbcTemplate ss=new JdbcTemplate (dataSource);

ss.executeQuery(“delete from mytable”);

JdbcTemplate ss=new JdbcTemplate (dataSource);

ss.executeUpdate(“delete from mytable”);

JdbcTemplate ss=new JdbcTemplate (dataSource);

ss.execute(“delete from mytable”);

JdbcTemplate ss=new JdbcTemplate (dataSource);

ss.executeDelete(delete form mytable);.....................................

Q16

In DAO, The implementation of an application object requires only hibernate session factory.

This can be provided as a simple bean reference from the spring application context.

Select the valid bean implementation for the above scenario:

Single Choice - Select one correct answer from the options list.

<beans>

<bean id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</bean>

</beans>

<beans id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</beans>

<beans>

< bean id=”emplDao” class=”emp.empDao”>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

<beans>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

Q17

What is the use of @PathVariable annotation in Spring REST?

Single Choice - Select one correct answer from the options list.

No such annotation exist in Spring

Used to bind the REST url parameters...............................

Configuration annotation used to configure relative and absolute path

None of the above

Q18

Which of the following elements is used for constructor injection

Single Choice - Select one correct answer from the options list.

constructor-value

constructorValue

consructor-arg.........................

All of the above

Q19

Statement A:

The TransactionTemplate adopts the same approach as other spring templates such as JdbcTemplate.

Statement B:

TransactionTemplate is not threadsafe

Single Choice - Select one correct answer from the options list.

Both Statement A and Statement B are false.

Both Statement A and Statement B are true.

Statement A is true and Statement B is false ..................................

Statement A is false and Statement B is true

Q20

What does REST stand for?

Single Choice - Select one correct answer from the options list.

Representation State Transfer.................................

Read Eat Sleep Travel

Rewrite Effort Stack Trace

None of the above

Q21

\_\_\_\_\_\_\_\_\_\_\_\_\_ interface provides a simple way for transactional code to control the transaction execution and query transaction status.

Single Choice - Select one correct answer from the options list.

Transaction isolation.

Transaction propagation.

Transaction Status.............................................

Transaction timeout

Q22

How do you perform URL mappings to spring controller methods?

Single Choice - Select one correct answer from the options list.

By using @RequestMapping and configuring the URL as attribute...................................

By using @URLMapping and configuring the URL as attribute

By using @ControllerMapping and configuring the URL as attribute

None of the above

Q23

Two <bean> with completely different values in their class attributes can still inherit properties from parent bean. True or False

Single Choice - Select one correct answer from the options list.

TRUE....................................

FALSE

Q24

How to configure JNDI instead of datasource in spring applicationcontext.xml?

Single Choice - Select one correct answer from the options list.

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="className">

<values>java:comp/env/jdbc/appfuse</values>

</property>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean name="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="viewClass">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<properties name="jndiDataSource">

<value>java:comp/env/jdbc/appfuse</value>

</properties>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">..........................................(doubt)

<property name="jndiName">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

Q25

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is used to wrap the target DataSource to add awareness for spring managed transactions in J2EE Server.

Single Choice - Select one correct answer from the options list.

TransactionAwareDataSourceProxy ......................................

DataSourceTransactionManager.

SmartDataSource.

AbstractDataSource.

Q26

Which of the following are the benefits of Aspect Oriented Programming?

Single Choice - Select one correct answer from the options list.

More Code reuse

Late Binding of design decisions.

Higher modularization

All the above..............................................

Q27

How would you define an Aspect?

Single Choice - Select one correct answer from the options list.

An aspect is a class that holds a Pointcut at a particular join point defining the type of advice to execute when that pointcut expression matches.....................

Aspect is simple a class nothing more

A point in the execution of a program such as method name

Expression that is used to identify join-points

Q28

In Spring, the basic IOC container is called as \_\_\_\_\_\_\_\_\_\_\_.

Single Choice - Select one correct answer from the options list.

Package............................(doubt)

Web container

Bean factory

EJB container

Q29

Which is the default handler mapping used by DispatcherServlet

Single Choice - Select one correct answer from the options list.

BeanNameHandlerMapping

SimpleUrlHandlerMapping

BeanNameUrlHandlerMapping.........................

None of the above

Q30

Which of the following methods are available in JdbcTemplate class?

Single Choice - Select one correct answer from the options list.

QueryForInt(String sql).

QueryForInt(String Sql,Object[] args)

QueryForList(Sting sql,Object[] args\_

All the above....................................

Java\_Spring\_Topics\_A3 To A5\_Cloud1

Q1

Spring provides which of the following mechanisms of instantiating a bean:

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

using the constructors

using static factory methods

using a factory bean

using BeanFactory

Output: using a factory bean

using BeanFactory

Q2

Select the root level package that is used for email support in Spring Framework?

Single Choice - Select one correct answer from the options list.

org.springframework.jms.mail.core

org.springframework.mail

org.springframework.jms.connection

org.springframework.jms.mail.converterction

Output: org.springframework.mail

Q3

Which of the following annotations can be used on fields, parameters or custom annotations?

Single Choice - Select one correct answer from the options list.

@autowired

@resource.

@Qualifier.

@component.

Output:

Q4

How would you define an Aspect?

Single Choice - Select one correct answer from the options list.

An aspect is a class that holds a Pointcut at a particular join point defining the type of advice to execute when that pointcut expression matches

Aspect is simple a class nothing more

A point in the execution of a program such as method name

Expression that is used to identify join-points

Output: An aspect is a class that holds a Pointcut at a particular join point defining the type of advice to execute when that pointcut expression matches

Q5

In DAO, The implementation of an application object requires only hibernate session factory.

This can be provided as a simple bean reference from the spring application context.

Select the valid bean implementation for the above scenario:

Single Choice - Select one correct answer from the options list.

<beans>

<bean id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</bean>

</beans>

<beans id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</beans>

<beans>

< bean id=”emplDao” class=”emp.empDao”>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

<beans>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

Output: <beans>

<bean id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</bean>

</beans>

Q6

When there is a problem in connecting to the database using spring‘s Jdbc, Which of the following exception is thrown?

Single Choice - Select one correct answer from the options list.

CannotAcquireLockException

DataAccessResourceFailureException.

DataIntergrityViolationException.

DataRetrievalFailureException.

Output: DataAccessResourceFailureException.

Q7

What is the purpose of HandlerMappings in spring?

Single Choice - Select one correct answer from the options list.

Maps the incoming request to the relevant controller

Manages the traffic for we requests

Maps the type of view that an application would display

Configures Spring for MVC support

Output: Maps the incoming request to the relevant controller

Q8

Choose the correct implementation applied to the concrete class to make it transactional?

Single Choice - Select one correct answer from the options list.

public interface OrderService

{

void createOrder(Order order);

List queryByCriteria(Order criteria);

}

@Transaction

public interface OrderService {

void createOrder(Order order);

List queryByCriteria(Order criteria);

}

@AspectJ

public interface OrderService {

void createOrder(Order order);

List queryByCriteria(Order criteria);

}

@Transactional

public interface OrderService {

void createOrder(Order order);

List queryByCriteria(Order criteria);

}

Output: @Transactional

public interface OrderService {

void createOrder(Order order);

List queryByCriteria(Order criteria);

}

Q9

What is the client class provided by Spring to test Spring Web services?

Single Choice - Select one correct answer from the options list.

WebTemplate

SpringTemplate

WebServiceTemplate

RestTemplate

Output: WebTemplate

Q10

BeanFactory is used to create associations between collaborating objects as they are instantiated. This removes the burden of configuration from bean itself and the beans client.

State true or false

Single Choice - Select one correct answer from the options list.

True.

False.

Output: True

Q11

Following property is set for what reason

spring.autoconfigure.exclude=

my.xyz.SomeAutoConfig

Single Choice - Select one correct answer from the options list.

To exclude unnecessary or misconfigured

Auto configurations via

properties

Reconfiguring

AutoConfiguration via

properties

Overriding conditions

For completely

custom

Autoconfiguration

Output: To exclude unnecessary or misconfigured

Auto configurations via

properties

Q12

Which dependency need to be

mentioned to enable Spring MVC

module in an application

Single Choice - Select one correct answer from the options list.

spring-boot-starter-data-jpa

spring-boot-starter-web

spring-boot-starter-test

spring-boot-starter-tomcat

Output: spring-boot-starter-web

Q13

Spring has its own Model View Controller (MVC), but it can be integrated with other web frameworks like Struts. State true or false

Single Choice - Select one correct answer from the options list.

TRUE

False.

Output: true

Q14

Join point is always a method in Spring AOP.

State true or false.

Single Choice - Select one correct answer from the options list.

True.

False.

Output: True.

Q15

Choose the correct statements about the spring framework: (Choose all that apply)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Applications takes care of Object persistence

Spring has support for AOP

Spring does not support the concept of inversion of control.

Spring supports inversion of control so that the bean dependency can be solved automatically

Output: 1 2 4

Q16

Which of the following class is used to manage the database connection in spring’s JDBC API?

Single Choice - Select one correct answer from the options list.

DataSourceUtils.

SmartDataSource.

AbstractDataSource.

SingleConnectionDataSource.

Output: DataSourceUtils.

Q17

What base class is used to resolve Spring views?

Single Choice - Select one correct answer from the options list.

UIResolver

FrontEndResolver

ViewResolver

SpringViewResolver

Output: ViewResolver

Q18

What is the use of JdbcTemplate in spring?

Single Choice - Select one correct answer from the options list.

Class that manages connection to databases

Eliminates boiler plate code

Handles SQL Exception properly

All of the above

Output: All of the above

Q19

Consider the following scenario:

For a method updateUser , we dont want the rollback for UserNotFoundException.

what are the changes to be done in the configuration file?

<tx:advice id="txAdvice">

<tx:attributes>

<tx:method name="updateUser"/>

<tx:method name="\*"/>

</tx:attributes>

</tx:advice>

Single Choice - Select one correct answer from the options list.

replace <tx:method name="updateUser"/> with

<tx:method name="updateUser" no-rollback-for="UserNotFoundException"/>

replace <tx:method name="updateUser"/> with

<tx:method name="updateUser,-UserNotFoundException/>

replace <tx:method name="updateUser"/> with

<tx:method name="updateUser,+UserNotFoundException/>

replace <tx:method ="updateUser"/> with

<tx:method name="updateUser" no-rollback-for="UserNotFoundException"/>

Output: replace <tx:method ="updateUser"/> with

<tx:method name="updateUser" no-rollback-for="UserNotFoundException"/>

Q20

Which is the correct way to configure server port in spring boot application

Single Choice - Select one correct answer from the options list.

add property 'server.port' in application.properties in /src/main/resources

set boot.server.port as a system property using JVM command line option

adding an entry in conf/context.xml of embedded container

add property server: port: 8080 in application.properties in /src/main/resources

Output add property 'server.port' in application.properties in /src/main/resources

Q21

Statement A:

Unit Tests are a series of tests which verifies each component of your application.

Statement B:

Unit Test not only to test successes, but also to test failures.

Single Choice - Select one correct answer from the options list.

Statement A and B are true

.

Statement A and B are false.

Statement A is true and B is false.

Statement A is false and b is true.

Output: Statement A and B are true

Q22

Which controller in Spring MVC is used to auto populate a form bean from the request?

Single Choice - Select one correct answer from the options list.

AbstractFormController

AbstractUrlViewController.

BaseCommandController.

AbstractController

Output: AbstractFormController

Q23

Choose the correct Syntax from the following :

Single Choice - Select one correct answer from the options list.

int rowCount = this.jdbcTemplate.queryForInt ("select count (0) from t\_accrual");

int rowCount = this.jdbcTemplate.get("select count (0) from t\_accrual");

int rowCount = this.jdbcTemplate.query("select count(0) from t\_accrual");

int rowCount = this.jdbcTemplate.query(‘select count(0) from t\_accrual’);

Output: int rowCount = this.jdbcTemplate.query("select count(0) from t\_accrual");

Q24

Which of the following statements about Spring's declarative transaction management is FALSE?

Single Choice - Select one correct answer from the options list.

The Spring Framework enables declarative transaction management to be applied to any class, not merely special classes such as EJBs

Unlike EJB CMT and JTA approaches, the Spring Framework's declarative transaction management works with JDBC and certain ORM tehcnologies.

The Spring Framework supports propagation of transaction contexts across remote calls, unlike certain commercial application servers.

The Spring Framework offers declarative rollback rules; which does not occur in EJB.

Output:

Q25

Which of the following is not the types of Advice?

Single Choice - Select one correct answer from the options list.

Before advice.

After returning advice.

After completion advice.

After advice.

Output: After completion advice.

Q26

Select the lifecycle interfaces in spring?(Choose Two)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

InitializingBean.

DisposableBean.

InitBean.

DestroyBean.

Output: InitializingBean.

DisposableBean.

Q27

In Spring MVC if the DispatcherServlet is configured using servlet-name as "abc", then which xml file is used to load the Spring application context.

Single Choice - Select one correct answer from the options list.

abc.xml

abc-context.xml

abc-servlet.xml

None of the above

Output: abc-servlet.xml

Q28

Which tags deals configuring collections, referencing constants in spring configuration file?

Single Choice - Select one correct answer from the options list.

Util

J2ee

JMS

AOP

Output: Util

Q29

Statement A:

The key to the Spring transaction abstraction is the notion of a transaction strategy.

Statement B:

A transaction strategy is defined by the

org.springframework.transaction.PlatformTransactionManager interface.

Single Choice - Select one correct answer from the options list.

Statement A is true

Statement B is true

Both the statements are false

Both the statements are true

Output: Both the statements are true

Q30

<bean id="employee" class="com.acme.hr.Employee">

<property name="timecard"><

ref bean="timesheet"/>

</property>

<property name="name" value="John Doe"/>

</bean>

<bean id="timesheet" class="com.acme.hr.Timesheet"/>

<bean id="timeEntry" class="com.acme.hr.TimeEntry" scope="prototype"/>

Based on the sample code above, if the bean factory is asked for each defined bean three times, how many bean instances will Spring be managing in the bean factory?

Single Choice - Select one correct answer from the options list.

1.0

2.0

5.0

6.0

Output: 1.0

Java\_Spring\_Topics\_A3 To A5\_Cloud1

Section:

1

Time Left : 00 : 08 List View

Active Attempted Not Attempted

Q1

\_\_\_\_\_\_\_\_\_\_\_\_\_ enables you to access JavaBeans (classes) that are instantiated, wired and managed by the Spring container.

Single Choice - Select one correct answer from the options list.

SessionFactory.

SessionFacade

BeanFactroy.......................ans

none of the above.

Q2

Which of the following method is used to return a TransactionStatus object that depends on a TransactionDefinition parameter?

Single Choice - Select one correct answer from the options list.

getTransaction().........................ans

setTransaction()

isNewTransaction()

setRollbackOnly()

Q3

Which of the following are the advantages of spring framework?(Select two)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

.......Spring has layed architecture. Use what you need and leave you don't need.

.......Spring Enables POJO Programming. There is no behind the scene magic here. POJO programming enables continous integration and testability.

Dependency Injection and Inversion of Control increase complexity in JDBC .

Not open source and need vendor lock-in.

Q4

In DAO, The implementation of an application object requires only hibernate session factory.

This can be provided as a simple bean reference from the spring application context.

Select the valid bean implementation for the above scenario:

Single Choice - Select one correct answer from the options list.

........................<beans>

<bean id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</bean>

</beans>

<beans id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</beans>

<beans>

< bean id=”emplDao” class=”emp.empDao”>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

<beans>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

Q5

Following property is set for what reason

spring.autoconfigure.exclude=

my.xyz.SomeAutoConfig

Single Choice - Select one correct answer from the options list.

To exclude unnecessary or misconfigured.................................ans

Auto configurations via

properties

Reconfiguring

AutoConfiguration via

properties

Overriding conditions

For completely

custom

Autoconfiguration

Q6

Which of the following are true about Spring MVC?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Spring provides a way in which Bean Lifecycle is managed

Spring’s MVC uses BeanFactory for IOC.......................................(wrong,except this all are correct)

Spring MVC contains DispatcherServlet,Controllers and ViewResolvers

Spring MVC uses @RequestMapping annotation to map request to controller methods.

Q7

What are the ways of resolving constructor arguments for the following class in Xml?

class MyClass {

public MyClass(int firstval, int secondVal) {

}

}

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Specify arguments in the required order in the bean defination

Specify the index attribute for each constructor argument

Specify the type attribute for each constructor argument......................ans

user the @ConstructorProperties argument and name attribute for each constructor arg..................ans

Q8

package com.acme.hr;

public class Employee {

private String employeeId = "Default";

public void setEmployeeId(String employeeId) {

this.employeeId = employeeId;

}

}

Based on the sample code above, what do you use to set the employeeId attribute to null?

Single Choice - Select one correct answer from the options list.

<bean id="employee" class="com.acme.hr.Employee">

<property name="employeeId">

<value>null</value>

</property>

</bean>

<bean id="employee" class="com.acme.hr.Employee">

<property name="employeeId"/>

</bean>

<bean id="employee" class="com.hr.acme.Employee">

<property name="employeeId">

<value><null/></value>

</property>

</bean>

................ ans <bean id="employee" class="com.acme.hr.Employee">

<property name="employeeId" value="null"/>

</bean>

Q9

What does MVC stand for?

Single Choice - Select one correct answer from the options list.

Model View Command

Model View Controller......................ans

Mapped View Controller

Mapped View Command

Q10

Does spring handle Multipart request?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

No by default.............ans

Yes, if we configure Multipart resolver with commons library in classpath.................ans

There is no such thing as Multipart request

None of the above

Q11

Which of the following is not the types of Advice?

Single Choice - Select one correct answer from the options list.

Before advice.

After returning advice.

After completion advice...................ans

After advice.

Q12

What is the difference between RowMapper and RowCallbackHandler?

Single Choice - Select one correct answer from the options list.

Both offer the same functionality

............. ans RowMapper is used to map the entire row into an object while RowCallbackHandler allows to perform custom operations upon retrieving data

RowMapper maps the particular column only to a property while RowCallbackHandler is a callback method that also returns an object.

None of the above

Q13

Select the true statements about SQLErrorCodeSQLExceptionTranslator?(choose 3)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

SQLErrorCodeSQLExceptionTranslator Apply ErrorCode Matching.

SQLErrorCodeSQLExceptionTranslator use fallback translator

Try custom translation implemented by any subclass..............(wrong except this all are correct)

SQLErrorCodeSQLExceptionTranslator is the implementation of SQLExceptionTranslator that is used by default.

Q14

By default all spring beans are singletons.True or False?

Single Choice - Select one correct answer from the options list.

TRUE..........ans

FALSE

Q15

How would you execute batch statements using JdbcTemplate?

Single Choice - Select one correct answer from the options list.

Spring doesn’t provide facility for handling batch operations

In a custom for loop execute every sql statement one by one

Through use of BatchPreparedStatementSetter class......................ans

None of the above

Q16

Which attribute defines the order of the transaction advice that is applied to beans annotated with @Transactional?

Single Choice - Select one correct answer from the options list.

Order

Mode.

Target\_class.

Transcation Manager..................ans

Q17

Which of the following are the benefits of Aspect Oriented Programming?

Single Choice - Select one correct answer from the options list.

More Code reuse

Late Binding of design decisions.

Higher modularization

All the above..........................ans

Q18

When injecting values using a constructor, what attributes are required within the <constructor-arg> element if no bean definition is embedded within the <constructor-arg> element?

Single Choice - Select one correct answer from the options list.

value and type.......................ans

value or index

value and ref

value or ref

Q19

Spring MVC follows a request-response model?

Single Choice - Select one correct answer from the options list.

TRUE.........................ans

FALSE

Q20

Which of the following interface are not used to create an Advice in Spring framework?

Single Choice - Select one correct answer from the options list.

org.aopalliance.intercept.MethodInterceptor

org.springframework.aop.BeforeAdvice

org.springframework.aop.MethodSingleton...................ans

org.springframework.aop.ThrowsAdvice

Q21

From the numbered list of lifecycle events below, which of the following options indicates the order of execution?

1. Set properties of the bean

2. Construction of the bean

3. An implementation of postProcessBeforeInitialization() from the BeanPostProcessor interface (assume the implementing bean is correctly registered).

4. init-method

Single Choice - Select one correct answer from the options list.

2, 3, 4, 1

2, 1, 3, 4

3, 2, 4, 1...........................ans

3, 2, 1, 4

Q22

Statement A:

The TransactionTemplate adopts the same approach as other spring templates such as JdbcTemplate.

Statement B:

TransactionTemplate is not threadsafe

Single Choice - Select one correct answer from the options list.

Both Statement A and Statement B are false.

Both Statement A and Statement B are true.

Statement A is true and Statement B is false.....................ans

Statement A is false and Statement B is true

Q23

Select the package that provides the feature of JDBC:

Single Choice - Select one correct answer from the options list.

DAO

Core...........................ans

ORM

Context

Q24

What are the ways of loading a Standalone Application in Spring:

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

FileSystemXmlApplicationContext

ClassPathXmlApplicationContext..............................ans

GenericXmlApplicationContext

ResourceApplicationContext

Q25

The Java Bean Property is automatically populated by \_\_\_\_\_\_\_\_\_

Single Choice - Select one correct answer from the options list.

DelegatingResponseProcessor.

ResponseProcessor

DelegatingRequestProcessor

RequestProcessor...........................ans(doubt)

Q26

Spring boot is Layered Architecture, similar like Spring Framework.

True or False - Select the correct answer

FALSE

TRUE...............ans

Q27

What is the difference between a Point-Cut and a Join-Point?

Single Choice - Select one correct answer from the options list.

They are the same, just different names

.............ans Join-Point is the point in the execution of a class, such as a method name, while Pointcut is the expression used to identify join points on which advices are to be executed

Join-point joins execution of two methods, Point cut cuts the execution of two methods

None of the above

Q28

Which of the following annotations can be used on fields, parameters or custom annotations?

Single Choice - Select one correct answer from the options list.

@autowired.................ans

@resource.

@Qualifier.

@component.

Q29

Which build tools are supported by

Spring Boot framework out of box

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Maven...........

Gradle.......

Ant..........ans

Make

Q30

Consider the scenario

If A class A has a dependency to class B if class uses class B as a variable.

If dependency injection is used then the class B is given to class A via the constructor of the class A

Choose the injection concept supported by this scenario?

Single Choice - Select one correct answer from the options list.

Setter injection

Constructor injection..................ans

Getter injection.

class injection

Spring

12345678910111213141516171819202122232425262728293028 out of 30

Q1

Spring provides support for which of the following standard Java web service APIs?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Exposing web services using JAX-RPC

Accessing web services using JAX-RPC

Exposing web services using JAX-WS

Accessing web services using JAX-WS……………………………ans

Q2

Following property is set for what reason

spring.autoconfigure.exclude=

my.xyz.SomeAutoConfig

Single Choice - Select one correct answer from the options list.

To exclude unnecessary or misconfigured…………………ans

Auto configurations via

properties

Reconfiguring

AutoConfiguration via

properties

Overriding conditions

For completely

custom

Autoconfiguration

Q3

Which of the following package provides the feature of point cuts in aspect oriented programming?

Single Choice - Select one correct answer from the options list.

AOP………………ans

MVC

DAO

Web

Q4

How do you perform URL mappings to spring controller methods?

Single Choice - Select one correct answer from the options list.

By using @RequestMapping and configuring the URL as attribute

By using @URLMapping and configuring the URL as attribute……………………ans

By using @ControllerMapping and configuring the URL as attribute

None of the above

Q5

What is the difference between SimpleJdbcTemplate and the JdbcTemplate?

Single Choice - Select one correct answer from the options list.

There is no difference between the two templates

SimpleJdbcTemplate provides additional features to JdbcTemplate such as varargs handling…ans

JdbcTemplate works in 1.4 while SimpleJdbcTemplate is used for 1.5 and above

None of the above

Q6

Which of the following methods are available in JdbcTemplate class?

Single Choice - Select one correct answer from the options list.

QueryForInt(String sql).

QueryForInt(String Sql,Object[] args)

QueryForList(Sting sql,Object[] args\_

All the above.

Q7

Spring view resolvers can handle support for PDF, Excel files?

Single Choice - Select one correct answer from the options list.

TRUE………..ans

FALSE

Q8

In a nested transaction mechanism, which level of transaction is applied?

Single Choice - Select one correct answer from the options list.

One in the nested method takes priority

The transaction defined in parent method takes priority………..ans

No transaction is applied

None of the above

Q9

Which of the following methods can be used to expose your services transparently by using the lightweight binary Http-based protocol?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

HttpInvokerProxyFactoryBean…………..ans

HttpInvokerServiceExporter.

HessianProxyFactoryBean.

HessianServiceExporter

Q10

Which of the following are the benefits of Aspect Oriented Programming?

Single Choice - Select one correct answer from the options list.

More Code reuse

Late Binding of design decisions.

Higher modularization

All the above………………..ans

Q11

How would you execute batch statements using JdbcTemplate?

Single Choice - Select one correct answer from the options list.

Spring doesn’t provide facility for handling batch operations

In a custom for loop execute every sql statement one by one

Through use of BatchPreparedStatementSetter class…………….ans

None of the above

Q12

Which element is used to set default autowire behavior on all beans

Single Choice - Select one correct answer from the options list.

default-autowire

default-autowire-type

default-autowire-name

None of the above…………………ans

Q13

Which is the correct way to configure server port in spring boot application

Single Choice - Select one correct answer from the options list.

add property 'server.port' in application.properties in /src/main/resources……..ans

set boot.server.port as a system property using JVM command line option

adding an entry in conf/context.xml of embedded container

add property server: port: 8080 in application.properties in /src/main/resources

Q14

Which build tools are supported by

Spring Boot framework out of box

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Maven…….

Gradle……

Ant……….ans

Make

Q15

What is the use of BeforeAdvice in spring?

Single Choice - Select one correct answer from the options list.

It allows to execute any code before the method is executed----------------ans

It allows to execute any code before an exception is thrown

It allows to execute any code before spring container shuts down

All of the above

Q16

Which of the following event is published when the Application Context is initialized or refreshed?

Single Choice - Select one correct answer from the options list.

ContextRefreshedEvent…………ans

ContextClosedEvent.

RequestHandledEvent.

Application Event.

Q17

Choose the valid code to update the table using JdbcTemplate class:

Single Choice - Select one correct answer from the options list.

JdbcTemplate jt=new JdbcTemplate(ds);

int x=jt.executeUpdate(“insert into sample(id,name) value(1,’opera’)”);

JdbcTemplate jt=new JdbcTemplate(ds);

jt.executeQuery(insert into sample(id,name)values(1,’opera’));

JdbcTemplate jt=new JdbcTemplate(ds);

int x=jt.call(“insert into sample(id,name) values(1,opera)”);

JdbcTemplate jt=new JdbcTemplate(ds);

int x=jt.update(“insert into sample(id,name)values(1,’opera’)”);…………..ans

Q18

Statement A:

Unit Tests are a series of tests which verifies each component of your application.

Statement B:

Unit Test not only to test successes, but also to test failures.

Single Choice - Select one correct answer from the options list.

Statement A and B are true…………….ans

Statement A and B are false.

Statement A is true and B is false.

Statement A is false and b is true.

Q19

In Spring Framework's declarative transaction implementation , is it sufficient to annotate the classes with the @Transactional annotation ?

Single Choice - Select one correct answer from the options list.

No

Yes……….ans(doubt)

No . <tx:annotation-driven/> has to be added in configuration

Q20

In DAO, The implementation of an application object requires only hibernate session factory.

This can be provided as a simple bean reference from the spring application context.

Select the valid bean implementation for the above scenario:

Single Choice - Select one correct answer from the options list.

<beans>

<bean id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</bean>

</beans>

…………………….ans <beans id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</beans>

<beans>

< bean id=”emplDao” class=”emp.empDao”>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

<beans>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

Q21

Which of the following method is used to execute a query for a given static SQL to read the ResultSet with a ResultSetExtractor

Single Choice - Select one correct answer from the options list.

Object query(String sql, ResultSet rs)

void query(String sql, RowCallbackHandler rch)

void query(String sql, RowCallbackHandler rch)

List query(String sql, RowMapper rowMapper).

Q22

Which of the following scope is applied for stateless beans?

Single Choice - Select one correct answer from the options list.

Request

Singleton………………..ans

Prototype

Session

Q23

Select the scopes of a bean available only when Application Context is used: (Choose 2)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Global session………..ans

Prototype…………..ANS

Request.

Session.

Q24

Which of the following is NOT TRUE for the JDBCTemplate class?

Single Choice - Select one correct answer from the options list.

JDBCTemplate handles the creation and release of resources.

JDBCTemplate executes statement creation and execution.

JDBCTemplate provides default caching of results limiting throughput to the underlying datasource.

JDBCTemplate catches JDBC exceptions and translates them to the generic persistence-technology-independent exceptions

Q25

What is the purpose of HandlerMappings in spring?

Single Choice - Select one correct answer from the options list.

Maps the incoming request to the relevant controller…………….ans

Manages the traffic for we requests

Maps the type of view that an application would display

Configures Spring for MVC support

Q26

How to configure JNDI instead of datasource in spring applicationcontext.xml?

Single Choice - Select one correct answer from the options list.

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="className">

<values>java:comp/env/jdbc/appfuse</values>

</property>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean name="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="viewClass">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<properties name="jndiDataSource">

<value>java:comp/env/jdbc/appfuse</value>

</properties>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">……….ans

<property name="jndiName">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

Q27

Choose the correct statements about the spring framework: (Choose all that apply)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Applications takes care of Object persistence………………ans

Spring has support for AOP………………….ans

Spring does not support the concept of inversion of control.

Spring supports inversion of control so that the bean dependency can be solved automatically……….ans

Q28

What is the difference between a Point-Cut and a Join-Point?

Single Choice - Select one correct answer from the options list.

They are the same, just different names

Join-Point is the point in the execution of a class, such as a method name, while Pointcut is the expression used to identify join points on which advices are to be executed………..ans

Join-point joins execution of two methods, Point cut cuts the execution of two methods

None of the above

Q29

Spring 2.0 supports aspects by using the\_\_\_\_\_\_\_\_\_\_\_\_

Single Choice - Select one correct answer from the options list.

@AspectJ…………ans

AspectJ

@pointcut.

@AOP

Q30

Select the return type of destroy () method:

Single Choice - Select one correct answer from the options list.

long

void………..ans

float

Int

Q1)How to configure spring in a web application?

Single Choice - Select one correct answer from the options list.

a.<listener>

<listener-class> context.ContextLoaderListener</listener-class>

</listener>

b.<listener>

<listener-class>org.springframework.web.context</listener-class>

</listener>

c.<listener>.............ans

<listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>

</listener>

d.<listener>

<listener-class>org.web.context.ContextLoaderListener</listener-class>

</listener>

Output:

Q2)ApplicationContext loads all singleton beans on startup. True or False

Single Choice - Select one correct answer from the options list.

a.TRUE..............ans

b.FALSE

Output:

Q3)Bean factory post processors are available with both bean factory and application context. True or False

Single Choice - Select one correct answer from the options list.

a.TRUE...............ans

b.FALSE

Output:

Q4)What is the difference between SimpleJdbcTemplate and the JdbcTemplate?

Single Choice - Select one correct answer from the options list.

a.There is no difference between the two templates

b.SimpleJdbcTemplate provides additional features to JdbcTemplate such as varargs handling........ANS

c.JdbcTemplate works in 1.4 while SimpleJdbcTemplate is used for 1.5 and above

d.None of the above

Output:

Q5)Which of the following are the benefits of Aspect Oriented Programming?

Single Choice - Select one correct answer from the options list.

a.More Code reuse

b.Late Binding of design decisions.

c.Higher modularization

d.All the above............ans

Output:

Q6)Which dependency need to be

mentioned to enable Spring MVC

module in an application

Single Choice - Select one correct answer from the options list.

a.spring-boot-starter-data-jpa

b.spring-boot-starter-web.................ans

c.spring-boot-starter-test

d.spring-boot-starter-tomcat

Output:

Q7)Which is the correct way to configure server port in spring boot application

Single Choice - Select one correct answer from the options list.

a.add property 'server.port' in application.properties in /src/main/resources.................ans

b.set boot.server.port as a system property using JVM command line option

c.adding an entry in conf/context.xml of embedded container

d.add property server: port: 8080 in application.properties in /src/main/resources

Output:

Q8)Which of the following is a Built in Resource Implementations that comes with spring?

Single Choice - Select one correct answer from the options list.

a.UrlResource................ans

b.ClassResource

c.JMSQResource

d.IOResource

Output:

Q9)Which controller is used to transforms the virtual filename at the end of a URL into a view name and returns that view?.

Single Choice - Select one correct answer from the options list.

a.UrlFilenameViewController.............ans

b.SimpleFormController.

c.BaseCommandController

d.AbstractUrlViewController.

Output:

Q10)Which of the following interface are not used to create an Advice in Spring framework?

Single Choice - Select one correct answer from the options list.

a.org.aopalliance.intercept.MethodInterceptor

b.org.springframework.aop.BeforeAdvice

c.org.springframework.aop.MethodSingleton.................ans

d.org.springframework.aop.ThrowsAdvice

Output:

Q11)In Spring, the basic IOC container is called as \_\_\_\_\_\_\_\_\_\_\_.

Single Choice - Select one correct answer from the options list.

a.Package

b.Web container

c.Bean factory.................ans

d.EJB container

Output:

Q12)SQLProvider:

Has two methods – getSql() and getRecord()

State true or false.

Single Choice - Select one correct answer from the options list.

a.True.

b.False...........ans

Output:

Q13)Consider the scenario

If A class A has a dependency to class B if class uses class B as a variable.

If dependency injection is used then the class B is given to class A via the constructor of the class A

Choose the injection concept supported by this scenario?

Single Choice - Select one correct answer from the options list.

a.Setter injection

b.Constructor injection...............ans

c.Getter injection.

d.class injection

Output:

Q14)Which of the following annotations can be used on fields, parameters or custom annotations?

Single Choice - Select one correct answer from the options list.

a.@autowired.................ans

b.@resource.

c.@Qualifier.

d.@component.

Output:

Q15)What are the different points where weaving can be applied?

Single Choice - Select one correct answer from the options list.

a.RunTime.

b.CompileTime.

c.ClassLoadTime.

d.All the Above..............ans

Output: d

Q16)Statement A:

The key to the Spring transaction abstraction is the notion of a transaction strategy.

Statement B:

A transaction strategy is defined by the

org.springframework.transaction.PlatformTransactionManager interface.

Single Choice - Select one correct answer from the options list.

a.Statement A is true

b.Statement B is true

c.Both the statements are false

d.Both the statements are true.............ans

Output:

Q17)Spring boot is Layered Architecture, similar like Spring Framework.

True or False - Select the correct answer

a.TRUE..................ans

b.FALSE

Output:

Q18)How to configure JNDI instead of datasource in spring applicationcontext.xml?

Single Choice - Select one correct answer from the options list.

a.You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

< bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="className">

<values>java:comp/env/jdbc/appfuse</values>

</property>

< /bean>

b.You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

< bean name="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="viewClass">

<value>java:comp/env/jdbc/appfuse</value>

</property>

< /bean>

c.You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

< bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<properties name="jndiDataSource">

<value>java:comp/env/jdbc/appfuse</value>

</properties>

< /bean>

d.You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

..........ans < bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="jndiName">

<value>java:comp/env/jdbc/appfuse</value>

</property>

< /bean>

Output:

Q19)What is the use of BeforeAdvice in spring?

Single Choice - Select one correct answer from the options list.

a.It allows to execute any code before the method is executed................ans

b.It allows to execute any code before an exception is thrown

c.It allows to execute any code before spring container shuts down

d.All of the above

Output:

Q20)Which of the following Statements are true about spring integration with other web frameworks?(choose 3)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

a.Use’s ActionSupport class to integrate struts.................ans

b.Override the Struts RequestProcessor with Spring's DelegatingRequestProcessor .

c.Delegate Struts Action management to the Spring framework.

d.By using DelegatingAction Proxy Class

Output:

Q21)Which Controller act as Abstract base class for custom command controllers?

Single Choice - Select one correct answer from the options list.

a.AbstractFormController.

b.AbstractUrlViewController.

c.BaseCommandController.

d.AbstractCommandController....................ans

Output:

Q22)How many types of injection does Spring support? What are they?

Single Choice - Select one correct answer from the options list.

a.Spring doesn’t support any injection.

b.Spring supports only one constructor injection..............ans

c.Spring supports only one method injection

d.Spring supports 2 types of injection, both constructor and method injection.......ans(doubt)

Output:

Q23)Which of the following package is responsible for core functionality using JMS in Spring?

Single Choice - Select one correct answer from the options list.

a.org.springframework.jms.mail.

b.org.springframework.jms.mail.core

c.org.springframework.jms.connection

d.org.springframework.jms.core....................ans

Output:

Q24)What is the purpose of HandlerMappings in spring?

Single Choice - Select one correct answer from the options list.

a.Maps the incoming request to the relevant controller..........................ans

b.Manages the traffic for we requests

c.Maps the type of view that an application would display

d.Configures Spring for MVC support

Output:

Q25)What is the use of <mvc:annotation-driven/> in spring?

Single Choice - Select one correct answer from the options list.

a.It configures the basic setup for a MVC application

b.It just let spring know application is using Annotations......................ans

c.There is no such xml element in Spring

d.None of the above

Output:

Q26)InternalResourceViewResolver maps incoming request to relevant controller ? True or False

Single Choice - Select one correct answer from the options list.

a.TRUE................ans

b.FALSE

Output:

Q27)\_\_\_\_\_\_\_\_\_ method provides an alternative way to update data which can be appropriate to iterate data as you update it.

Single Choice - Select one correct answer from the options list.

a.updateSql()..................ans

b.executeSql()

c.updateableSqlQuery()

d.execute()

Output:

Q28)\_\_\_\_\_\_\_\_method implementation is used to check whether a File can be opened.

Single Choice - Select one correct answer from the options list.

a.equals(object obj)

b.hashcode()

c.isOpen()

d.exists()..............ans

Output:

Q29)How would you execute batch statements using JdbcTemplate?

Single Choice - Select one correct answer from the options list.

a.Spring doesn’t provide facility for handling batch operations

b.In a custom for loop execute every sql statement one by one

c.Through use of BatchPreparedStatementSetter class......................ans

d.None of the above

Output:

Q30)Which of the following types of testing are supported by spring?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

a.Unit Testing.........................ans

b.Intergration Testing..................ans

c.BlackboxTesting

d.WhiteBocTesting

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12)In ActionSupport class, \_\_\_\_\_\_\_\_\_\_\_ method is used for integrating struts with spring by creating spring context manually.

Single Choice - Select one correct answer from the options list.

a.getWebApplicationContext().............ans

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Single Choice - Select one correct answer from the options list.

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b.Statement B is true

c.Both the statements are false

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1)Spring boot is Layered Architecture, similar like Spring Framework.

True or False - Select the correct answer

a.FALSE

b.TRUE.............ans

2)What is the use of BeforeAdvice in spring?

Single Choice - Select one correct answer from the options list.

a.It allows to execute any code before the method is executed.................ans

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c.It allows to execute any code before spring container shuts down

d.All of the above

3)\_\_\_\_\_\_\_\_ package provides the features of IOC and dependency injection services.

Single Choice - Select one correct answer from the options list.

a.ORM

b.AOP

c.Core...............ans(doubt)

d.DAO

4)Which of the following annotations can be used on fields, parameters or custom annotations?

Single Choice - Select one correct answer from the options list.

a.@autowired.............ans

b.@resource.

c.@Qualifier.

d.@component.

5)In Unit Testing ,\_\_\_\_\_\_\_ package contains a set of Portlet API mock objects, targeted at the usage with Spring portlet MVC framework

Single Choice - Select one correct answer from the options list.

a.org.springframework.mock.web.portlet....................ans

b.org.springframework.mock.web

c.org.springframework.jndi.

d.org. springframework.unittesting.

6)Spring 2.0 supports aspects by using the\_\_\_\_\_\_\_\_\_\_\_\_

Single Choice - Select one correct answer from the options list.

a.@AspectJ............ans

b.AspectJ

c.@pointcut.

d.@AOP

7)\_\_\_\_\_\_\_\_method implementation is used to check whether a File can be opened.

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Single Choice - Select one correct answer from the options list.

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Single Choice - Select one correct answer from the options list.

a.AOP............ans

b.MVC

c.DAO

d.Web

10)How to reference a bean from another bean in Spring?

Single Choice - Select one correct answer from the options list.

a.We use the <property> element to set the properties that reference other beans. The <ref> subelement of <property> like this:

<bean id="foo"

class="com.Foo">

<property name="bar">

<ref bean="bar"/>

</property>

</bean>

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<bean id="foo"

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c.We use the <parent> element to set the properties that reference other beans. The <ref> subelement of < parent > like this:

<bean id="foo"

class="com.Foo">

< parent name="bar">

<ref bean="bar"/>

</ parent >

</bean>

d.We use the <child> element to set the properties that reference other beans. The <ref> subelement of < child > like this:

<bean id="foo"

class="com.Foo">

< child name="bar">

<ref bean="bar"/>

</ child >

</bean>

11)ApplicationContext is a Spring's bootstrap object that loads all the high-level (entry-point) objects that are required by your application

Single Choice - Select one correct answer from the options list.

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Q1

InternalResourceViewResolver maps incoming request to relevant controller ? True or False

Single Choice - Select one correct answer from theoptions list.

1.TRUE................

2.FALSE

Q2

\_\_\_\_\_\_\_\_\_ method implementation throws FileNotFoundException, assuming that the resource cannot be resolved to a URL.

Single Choice - Select one correct answer from theoptions list.

1.public String getURL() throws IOException

2.protected String getURL() throws FileNotFoundException

3.public URL getURL() throws IOException

4.private URL getURL() throws FileNotFoundException.

Q3

Statement A:

The TransactionTemplate adopts the same approach as other spring templates such as JdbcTemplate.

Statement B:

TransactionTemplate is not threadsafe

Single Choice - Select one correct answer from theoptions list.

1.Both Statement A and Statement B are false.

2.Both Statement A and Statement B are true.

3.Statement A is true and Statement B is false ..........................

4.Statement A is false and Statement B is true

Q4

How is the spring’s TestContext Framework designed?

Single Choice - Select one correct answer from theoptions list.

1.Through the use of the ApplicationContext instance.

2.Through the use of annotations

3.Through the extension of the TestContext class

4.Through the extension of AbstractSingleSpringContextTests class

Q5

Which is used to map the logical View names to actual viewimplementations in spring MVC?

Single Choice - Select one correct answer from theoptions list.

1.ViewResolver.........................

2.HandlerMapping.

3.ModelandView

4.None of the above.

Q6

What is ifAnyGranted and ifAllGranted in spring?

Single Choice - Select one correct answer from theoptions list.

1.They are properties of the <security:authorize/> tag

.

2.They are properties of the <security:authenticate/> tag......................

3.Both of the above

4.None of the above

Q7

Following property is set for what reason

spring.autoconfigure.exclude=

my.xyz.SomeAutoConfig

Single Choice - Select one correct answer from theoptions list.

1.To exclude unnecessary or misconfigured

Auto configurations via

properties..................

2.Reconfiguring

AutoConfiguration via

properties

3.Overriding conditions

4.For completely

custom

Autoconfiguration

Q8

When there is a problem in connecting to the database using spring‘s Jdbc, Which of the following exception is thrown?

Single Choice - Select one correct answer from theoptions list.

1.CannotAcquireLockException

2.DataAccessResourceFailureException......................

3.DataIntergrityViolationException.

4.DataRetrievalFailureException.

Q9

\_\_\_\_\_\_\_\_method implementation is used to check whether a File can be opened.

Single Choice - Select one correct answer from theoptions list.

1.equals(object obj)

2.hashcode()

3.isOpen()

4.exists() ....................

Q10

Which of the following are bean factory post processors

Single Choice - Select one correct answer from theoptions list.

1.CustomEditorConfigurer

2.PropertyPlaceholderConfigurer

3.Both of the above..........................

4.None of the above

Q11

Which of the following method is used to return a single integer returned by the sql statement?

Single Choice - Select one correct answer from theoptions list.

1.QueryForInt()....................

2.IntUpdate()

3.ExecuteInt()

4.ForInt()

Q12

How do you send the response status back to the client for a spring rest service?

Single Choice - Select one correct answer from theoptions list.

1.This is automatically send back to the user

2.By using @ResponseStatus annotation..........................

3.By using @Status annotation

4.By using @RESTStatus

Q13

Which of the following explains auodetect autowring

Single Choice - Select one correct answer from theoptions list.

1.byName first then byType

2.constructor first, then byType

3.byType first then constructor

4.None of the above.

Q14

How to add a bean in spring application? A bean can be added in spring application using :

Single Choice - Select one correct answer from theoptions list.

1. <beans>

<bean class="foo" class="com.Foo"/>

<bean class="bar" class="com.Bar"/>

</beans>

in the Spring configuration file. In the bean tag the id attribute specifies the bean name and the class attribute specifies the fully qualified class name.

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Q15

What is the purpose of ContextLoadListener?

Single Choice - Select one correct answer from theoptions list.

1.To let web container such as tomcat know Spring is running

2.It helps in having callbacks whenever spring context is loaded......................

3.Helps in configuring multiple spring custom xml file

4.None of the above

Q16

Which build tools are supported by

Spring Boot framework out of box

Multiple Choice - This may have multiple correct answers.Select required answer(s) from the options list.

1.Maven........

2.Gradle..........

3.Ant..........

4.Make

Q17

Which of the following is not the types of Advice?

Single Choice - Select one correct answer from theoptions list.

1.Before advice

2.After returning advice.

3.After completion advice.....................

4.After advice.

Q18

In DAO, The implementation of an application object requires only hibernate session factory.

This can be provided as a simple bean reference from the spring application context.

Select the valid bean implementation for the above scenario:

Single Choice - Select one correct answer from theoptions list.

1.<beans>

<bean id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</bean>

</beans>..................

2.<beans id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</beans>

3.<beans>

< bean id=”emplDao” class=”emp.empDao”>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

4.<beans>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

Q19

What is the difference between a Point-Cut and a Join-Point?

Single Choice - Select one correct answer from theoptions list.

1.They are the same, just different names

2.Join-Point is the point in the execution of a class, such as a method name, while Pointcut is the expression used to identify join points on which advices are to be executed...............

3.Join-point joins execution of two methods, Point cut cuts the execution of two methods

4.None of the above

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<value>java:comp/env/jdbc/appfuse</value>...........................

</property>

</bean>

Q21

Which is the correct order of execution for the Spring bean life-cycle?

Single Choice - Select one correct answer from theoptions list.

1.@PostConstruct -> init()..........................

2.init() -> @PostConstruct -> afterPropertiesSet()

3.afterPropertiesSet() -> @PostConstruct -> init()

4.None of the Above

Q22

The Java Bean Property is automatically populated by \_\_\_\_\_\_\_\_\_

Single Choice - Select one correct answer from theoptions list.

1.DelegatingResponseProcessor.

2.ResponseProcessor

3.DelegatingRequestProcessor

4.RequestProcessor...................

Q23

What is the purpose of @Qualifier annotation?

Multiple Choice - This may have multiple correct answers.Select required answer(s) from the options list.

1.Spring doesn’t support this annotation.

2.It helps specify object with multiple dependency which dependency to inject......................(doubt)

3.It is used in conjunction with @Autowired.

4.Annotation used to qualify the normal bean as spring bean...............

Q24

Which attribute defines the order of the transaction advice that is applied to beans annotated with @Transactional?

Single Choice - Select one correct answer from theoptions list.

1.Order

2.Mode.

3.Target\_class.

4.Transcation Manager..................

Q25

What are the different points where weaving can be applied?

Single Choice - Select one correct answer from theoptions list.

1.RunTime.

2.CompileTime.

3.ClassLoadTime.

4.All the Above...............

Q26

Which of the following Statements are true about spring integration with other web frameworks?(choose 3)

Multiple Choice - This may have multiple correct answers.Select required answer(s) from the options list.

1.Use’s ActionSupport class to integrate struts...................

2.Override the Struts RequestProcessor with Spring's DelegatingRequestProcessor ................

3.Delegate Struts Action management to the Spring framework...............

4.By using DelegatingAction Proxy Class

Q27

Spring boot is Layered Architecture, similar like Spring Framework.

True or False - Select the correct answer

1.FALSE

2.TRUE...................

Q28

Which of the following method is used to return a TransactionStatus object that depends on a TransactionDefinition parameter?

Single Choice - Select one correct answer from theoptions list.

1.getTransaction()................

2.setTransaction()

3.isNewTransaction()

4.setRollbackOnly()

Q29

What is the use of BeforeAdvice in spring?

Single Choice - Select one correct answer from theoptions list.

1.It allows to execute any code before the method is executed

2.It allows to execute any code before an exception is thrown

3.It allows to execute any code before spring container shuts down

4.All of the above.............

Q30

The init-method, destroy-method options are better than having a class implement InitializingBean, DisposableBean interfaces.True or false

Single Choice - Select one correct answer from theoptions list.

1.TRUE

2.FALSE

Q1

What is the use of SessionFactory?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

It is a factory pattern provided by Hibernate and cannot be used as such in Spring

Manages the sessions linked the database.................

Provides session one can use in the DAO to work with the database.................

None of the above

Q2

\_\_\_\_\_\_\_\_\_\_\_\_\_ interface provides a simple way for transactional code to control the transaction execution and query transaction status.

Single Choice - Select one correct answer from the options list.

Transaction isolation.

Transaction propagation.

Transaction Status..............

Transaction timeout

Q3

Consider the following code

. <tx:advice id="txAdvice" transaction-manager="txManager">

<tx:attributes>

<tx:method name="\*" read-only="true" rollback-for="NoEmployeeFound"/>

</tx:attributes>

</tx:advice>

Based on the sample code above, the rollback-for attribute within the <tx:method> element causes Spring to rollback a transaction if a(n):

Single Choice - Select one correct answer from the options list.

Checked exception of the class "NoEmployeeFound" or any unchecked exception or error is thrown.

checked exception of the class "NoEmployeeFound" is thrown.

throwable containing the message "NoEmployeeFound" is thrown.

unchecked exception of the class "NoEmployeeFound" or any checked exception or error is thrown.

Q4

DevTools is enabled in the production

environment by default.

True or False - Select the correct answer

TRUE

FALSE...............

Q5

Which of the following types of testing are supported by spring?

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Unit Testing.............

Intergration Testing...............

BlackboxTesting

WhiteBocTesting

Q6

Choose the scope which is added in Spring5 version?

Single Choice - Select one correct answer from the options list.

Session

WebSocket

Singleton.............

Prototype

Q7

Which of the following class is used to manage the database connection in spring’s JDBC API?

Single Choice - Select one correct answer from the options list.

DataSourceUtils..............

SmartDataSource.

AbstractDataSource.

SingleConnectionDataSource.

Q8

Select the true statements about SQLErrorCodeSQLExceptionTranslator?(choose 3)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

SQLErrorCodeSQLExceptionTranslator Apply ErrorCode Matching...............

SQLErrorCodeSQLExceptionTranslator use fallback translator.................

Try custom translation implemented by any subclass

SQLErrorCodeSQLExceptionTranslator is the implementation of SQLExceptionTranslator that is used by default..................

Q9

What is the use of BeforeAdvice in spring?

Single Choice - Select one correct answer from the options list.

It allows to execute any code before the method is executed

It allows to execute any code before an exception is thrown

It allows to execute any code before spring container shuts down

All of the above.....................

Q10

Which element is used in Spring for basic method replacement

Single Choice - Select one correct answer from the options list.

replaced-method................

replace-method

replaceMethod

None of the above

Q11

Which of the following interface are not used to create an Advice in Spring framework?

Single Choice - Select one correct answer from the options list.

org.aopalliance.intercept.MethodInterceptor

org.springframework.aop.BeforeAdvice

org.springframework.aop.MethodSingleton..................

org.springframework.aop.ThrowsAdvice

Q12

Statement A:

Unit Tests are a series of tests which verifies each component of your application.

Statement B:

Unit Test not only to test successes, but also to test failures.

Single Choice - Select one correct answer from the options list.

Statement A and B are true..................

Statement A and B are false.

Statement A is true and B is false.

Statement A is false and b is true.

Q13

Which is the correct way to configure server port in spring boot application

Single Choice - Select one correct answer from the options list........................

add property 'server.port' in application.properties in /src/main/resources

set boot.server.port as a system property using JVM command line option

adding an entry in conf/context.xml of embedded container

add property server: port: 8080 in application.properties in /src/main/resources

Q14

In DAO, The implementation of an application object requires only hibernate session factory.

This can be provided as a simple bean reference from the spring application context.

Select the valid bean implementation for the above scenario:

Single Choice - Select one correct answer from the options list.

<beans>

<bean id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</bean>

</beans>.................

<beans id=”emplDao” class=”emp.empDao”>

<property name=”sessionfactory” ref=”mysessionfactory”>

</beans>

<beans>

< bean id=”emplDao” class=”emp.empDao”>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

<beans>

<property name=”\*” ref=”mysessionfactory”>

</bean>

</beans>

Q15

What are the different points where weaving can be applied?

Single Choice - Select one correct answer from the options list.

RunTime.

CompileTime.

ClassLoadTime.

All the Above.

Q16...............

SQLProvider:

Has two methods – getSql() and getRecord()

State true or false.

Single Choice - Select one correct answer from the options list.

True.

False..................

Q17

Consider the scenario

If A class A has a dependency to class B if class uses class B as a variable.

If dependency injection is used then the class B is given to class A via the constructor of the class A

Choose the injection concept supported by this scenario?

Single Choice - Select one correct answer from the options list.

Setter injection

Constructor injection.................

Getter injection.

class injection

Q18

In ActionSupport class, \_\_\_\_\_\_\_\_\_\_\_ method is used for integrating struts with spring by creating spring context manually.

Single Choice - Select one correct answer from the options list.

getWebApplicationContext()..............

getApplicationContext()

getRequestContext()

getXMLApplicationContext()

Q19

What is the default role for an authenticated user?

Single Choice - Select one correct answer from the options list.

ROLE\_ANONYMOUS

There is no default role

ROLE\_AUTHENTICATED..............

None of the above

Q20

Which of the following method is used to process the ResultSet for the given Stored Procedure?

Single Choice - Select one correct answer from the options list.

processResultSet(ResultSet rs)

protected Map extractOutputParameters(CallableStatement cs, List parameters)

protected Map extractReturnedResultSets(CallableStatement cs, List parameters, int updateCount)

processResultSet(ResultSet rs, ResultSetSupportingSqlParameter param)

Q21

Which dependency need to be

mentioned to enable Spring MVC

module in an application

Single Choice - Select one correct answer from the options list.

spring-boot-starter-data-jpa

spring-boot-starter-web......................

spring-boot-starter-test

spring-boot-starter-tomcat

Q22

The WebApplicationContext exclusively exposes which lifecycle capabilities of the ApplicationContext?

Single Choice - Select one correct answer from the options list.

Provides internationalization.......................

Provides pluggable servlet filters

Provides the Servlet Context

Provides a Security Context

Q23

Which tags deals configuring collections, referencing constants in spring configuration file?

Single Choice - Select one correct answer from the options list.

Util..................

J2ee

JMS

AOP

Q24

Which of the following scope is used to define a single bean definition to any number of object instances?

Single Choice - Select one correct answer from the options list.

Request

Session

Prototype

Singleton.............................

Q25

Which of the following annotations can be used on fields, parameters or custom annotations?

Single Choice - Select one correct answer from the options list.

@autowired .....................

@resource.

@Qualifier.

@component.

Q26

What is the purpose of HandlerMappings in spring?...

Single Choice - Select one correct answer from the options list.

Maps the incoming request to the relevant controller.......................

Manages the traffic for we requests

Maps the type of view that an application would display

Configures Spring for MVC support

Q27

Springs <security:intercept-url/> tag provides facility to secure url resources?

Single Choice - Select one correct answer from the options list.

TRUE..................

FALSE

Q28

\_\_\_\_\_\_\_\_\_\_\_\_\_ enables you to access JavaBeans (classes) that are instantiated, wired and managed by the Spring container.

Single Choice - Select one correct answer from the options list.

SessionFactory.

SessionFacade

BeanFactroy....................

none of the above.

Q29

Which is used to map the logical View names to actual viewimplementations in spring MVC?

Single Choice - Select one correct answer from the options list.

ViewResolver...................

HandlerMapping.

ModelandView.

None of the above.

Q30

How to configure spring in a web application?

Single Choice - Select one correct answer from the options list.

<listener>

<listener-class> context.ContextLoaderListener</listener-class>

</listener>

<listener>

<listener-class>org.springframework.web.context</listener-class>

</listener>

<listener>...........................................................................

<listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>

</listener>

<listener>

<listener-class>org.web.context.ContextLoaderListener</listener-class>

</listener>

Spring

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