**Spring Online Quiz 01**

**Q 1 - Which of the following is correct about dependency injection?**

A - It helps in decoupling application objects from each other.

[B - It helps in deciding the dependencies of objects.](javascript:void(0);)

[C - It stores objects states in database.](javascript:void(0);)

[D - It stores object states in file system.](javascript:void(0);)

**Answer : A**

**Explanation**

Dependency injection helps in decoupling application objects from each other.

**Q 2 - Which is the correct implementation class of BeanFactory?**

A - XmlBeanFactory

[B - ClassPathBeanFactory](javascript:void(0);)

[C - FileSystemBeanFactory](javascript:void(0);)

[D - AdvancedBeanFactory](javascript:void(0);)

**Answer : A**

**Explanation**

XmlBeanFactory is the implementation class of BeanFactory. Other mentioned classes do not exists.

**Q 3 - What is true about <set> collection configuration elements?**

A - This helps in wiring a list of values, allowing duplicates.

B - This helps in wiring a list of values but without any duplicates.

[C - This can be used to inject a collection of name-value pairs where name and value can be of any type.](javascript:void(0);)

[D - This can be used to inject a collection of name-value pairs where the name and value are both Strings.](javascript:void(0);)

**Answer : B**

**Explanation**

<set> tag is used to wire a list of values, but without any duplicates.

**Q 4 - What is constructor mode of autowiring?**

[A - Autowiring by property name. Spring tries to match and wire its properties with the beans defined by the same names in the configuration file.](javascript:void(0);)

[B - Spring first tries to wire using autowire by constructor, if it does not work, Spring tries to autowire by byType.](javascript:void(0);)

[C - Autowiring by property type. Spring tries to match and wire a property if its type matches with exactly one of the beans name in configuration file.](javascript:void(0);)

D - Similar to byType, but type applies to constructor arguments. If there is not exactly one bean of the constructor argument type in the container, a fatal error is raised.

**Answer : D**

**Explanation**

Constructor mode of autowiring is similar to byType, but type applies to constructor arguments. If there is not exactly one bean of the constructor argument type in the container, a fatal error is raised.

**Q 5 - What is ContextStoppedEvent event?**

[A - This event is published when the Servlet Context is either initialized or refreshed.](javascript:void(0);)

B - This event is published when the ApplicationContext is stopped using the stop() method on the ConfigurableApplicationContext interface.

[C - This event is published when the HTTP Request is received.](javascript:void(0);)

[D - This event is published when the HTTP Response is returned.](javascript:void(0);)

**Answer : B**

**Explanation**

This event is published when the ApplicationContext is stopped using the stop() method on the ConfigurableApplicationContext interface.

**Q 6 - How before advice works?**

[A - Run advice before a class loads.](javascript:void(0);)

B - Run advice before a method execution.

[C - Run advice before http response is to be returned.](javascript:void(0);)

[D - Run advice before http request is to be processed.](javascript:void(0);)

**Answer : B**

**Explanation**

before advice runs before a method execution.

**Q 7 - Which of the following database is not supported using jdbcTemplate?**

[A - MySql](javascript:void(0);)

[B - PostgresSql](javascript:void(0);)

C - NoSql

[D - Oracle](javascript:void(0);)

**Answer : C**

**Explanation**

NoSql is not supported using jdbcTemplate.

**Q 8 - Thread scoped bean is introduced in which version of spring framework.**

[A - 1.0](javascript:void(0);)

[B - 2.0](javascript:void(0);)

C - 3.0

[D - 4.0](javascript:void(0);)

**Answer : C**

**Explanation**

Thread scoped bean is introduced in 3.0 version of spring framework.

**Q 9 - How bean life cycle can be controlled?**

[A - Using init() only](javascript:void(0);)

[B - Using InitializingBean class only](javascript:void(0);)

[C - Using DisposableBean class only](javascript:void(0);)

D - Using All of above

**Answer : D**

**Explanation**

Life cycle of a bean can be controlled using init() method or using InitializingBean / DisposableBean classes.

**Q 10 - Can be bean be configured to have an inner bean?**

A - True

[B - False](javascript:void(0);)

**Answer : A**

**Explanation**

A bean can be configured to have an inner bean.