**Assessment Test - Spring**

*Total Questions: 20*

1. Given the following Spring configuration file, what is the correct answer:  
   <bean class="com.spring.service.MyServiceImpl">  
   <property name="repository" ref="jpaDao"/>  
   </bean>  
   <bean class="com.spring.repository.JpaDao"/>
   1. The first declared bean MyServiceImpl is missing an id must be name myService
   2. The second declared bean JpaDao is missing an id must be named jpaDao
   3. Answers 1 and 2 are both rights
   4. Answers 1 and 2 are both wrong
2. Given the Spring configuration file, which are the correct statements?  
   <bean class="com.spring.service.BankServiceImpl" name=”name” value=”NationalBank”>   
   </bean>
   1. Namespace has to be declared
   2. Bean id is bankServiceImpl
   3. The BankServiceImpl references a NationalBank bean
   4. NationalBank is a scalar value
3. **What is the default nature of the Beans defined in spring framework?**
   1. **Initialized**
   2. **Final**
   3. **Abstract**
   4. **Singleton**
   5. **None of above**
4. **Which of the following classes can you use for executing the  SQL queries in Spring?**
   1. **JdbcTemplate**
   2. **JdbcHelper**
   3. **DBTemplate**
   4. **DBHelper**
5. **Which of the following layers the @Controller annotation is used in?**
   1. **Presentation**
   2. **Service**
   3. **Business**
   4. **Session**
   5. None of above
6. **Which of the following statements is true for @RequestMapping annotation?**
   1. **It has a single String parameter**
   2. It has a String[] parameter
   3. It support ant-style path
   4. It doesn’t support wild card input
7. **Which of the following Java Collection types can you inject in a Spring application?**
   1. Using list, set, map or props tag.
   2. Using list, collection, map or props tag.
   3. Using lit, set, map or collection tag.
   4. Using list, set, collection or props tag.
8. **All of the Spring’s Controllers inherit from an AbstractControllor?**
   1. **True**
   2. **False**
9. **Which of the following is an IOC or Dependency injection?**
   1. **ORM**
   2. **Java module**
   3. **Framework**
   4. **Design pattern**
10. Which of the following Is Not A Valid Difference Between @Inject And @Autowired Annotations?
    1. @Autowired is a legacy annotation whereas @Inject is its latest version.
    2. There is no difference and both can be used interchangeably.
    3. @Inject annotation is part of Java EE 7’s Context and Dependency Injection framework while @Autowired is the Spring Frameworks own implementation.
    4. None of these.
11. **Which of the following specify the points where weaving can be applied?**
    1. Compile Time , Classload Time , Runtime
    2. Compile Time and Classload Time
    3. Compile Time , Classload Time , load time
    4. Compile Time and Runtime.
12. **Which of the following exception classes is related to all the exceptions thrown in spring applications?**
    1. ArrayIndexOutofBound.
    2. DataAccessException
    3. SpringException
    4. NullPointerException
13. Which of the following Dependency Injection methodology is available in Spring MVC
    1. Constructor based
    2. Setter based
    3. Property based
    4. Manual
14. Which of the following statements is/are true about autowiring in Spring?
    1. Multiple constructors a given class may carry the @AutoWired annotation.
    2. Only one constructor of any given class may carry the @AutoWired annotation.
    3. Fields are injected before the construction of a bean.
    4. Fields are injected after the construction of a bean.
15. Which of the following statements is true about method arguments that have an @ModelAttribute annotation?
    1. It indicates that the argument should be retrieved from the model.
    2. If the argument is not present in the model, it should be added to the model first, and then instantiated.
    3. If the argument is not present in the model, it should be instantiated first, and then added to the model.
    4. Model attributes have to be explicitly added when using @ModelAttribute.
16. Which of the following classes provides built-in pagination functionality in SpringMVC?
    1. PageListSorter
    2. PageListContext
    3. PagedListHolder
    4. Spring MVC doesn’t include a built-in class for handling pagination.
17. Which of the following are possible validation methods for user input in Spring MVC?
    1. XPath validation
    2. Annotation validation
    3. Programmatic validation
    4. Mixed annotation and programmatic validation
18. What AOP stands for?
    1. Aspect Oriented Programming
    2. Any Object Programming
    3. Asset Oriented Programming
    4. Asset Oriented Protocol
19. Which is the correct implementation class of BeanFactory?
    1. XmlBeanFactory
    2. ClassPathBeanFactory
    3. FileSystemBeanFactory
    4. AdvancedBeanFactory
20. Where do you define DispatcherServlet?
    1. In Beans configuration file.
    2. Web.xml file
    3. Meta-inf/dispatcher.xml
    4. Web-inf/ dispatcher.xml

------------------------------------------ Happy Answering ------------------------------------------------

Answer Key –

1. B

2. D

3. D

4. A

5. A

6. A

7. A

8. A

9. D

10. A

11. A

12. B

13. A

14. D

15. D

16. C

17. B

18. A

19. A

20. B