SPRING MCQ

[Multiple Choice Questions]

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1. **Which of the following technologies in spring is used to allow an application to manipulate Java objects at runtime?**
   a) Weaving
   b) SPEL
   c) RPC
   d) JCP

2. **How many ways Inversion of control is executed?**
   a) Dependency lookup
   b) Dependency injection
   c) Traditional approach
   d) Both a & b

3. **Which of the following are core concepts of AOP?**
   a) Joinpoints
   b) Advice
   c) Pointcuts
   d) All of the above

4. **What is the purpose of interfaces?**
   a) Loose coupling
   b) Reduce coupling
   c) Remove coupling
   d) All of the above

5. **What is the abbreviation of DTO?**
   a) Database Objects
   b) Data Transfer Objects
   c) Data Objects
   d) None

6. **Why we use named parameters ?**
   a) Callable Statements
   b) Statements
   c) Prepared Statements
   d) Transactions

7. **How many ways you can configure spring dependency? (Choose two)**
   a) Externally in Xml file
   b) Text file
   c) Faces-config
   d) Java annotations
   e) Both A & D

8. **Transaction and AOP service, message source for internationalization (i18n), and application event handling services are provided by ?**
   a) BeanFactory
   b) FactoryBean
   c) ApplicationContext

9. **Which of the following is a destruction method ?**
   a) afterPropertiesSet
   b) destroy-method attribute
   c) nit-method attribute
   d) None

10. **When Dependency Injections are executed?**
    a) Coding time
    b) Compile time
    c) Run time

11. **What is the role of Factory Pattern?**
    a) To provide application context
    b) To provide application initiated object
    c) To provide application component
    d) Above all

12. **Which of the following is correct related to JdbcTemplate ?**
    a) it is not necessary to write SQL queries
    b) It is not necessary to manage connections in the application code
    c) SQL queries automatically become database agnostic
    d) Object relational mapping is available out of the box

13. **Which of the following are ORM libraries?**
    a) Hibernate
    b) TopLink
    c) JDO
    d) Above all

14. **Which of the following are types of IoC containers?**
    a) BeanFactory
    b) BeanContext
    c) ApplicationContext
    d) ApplicationFactory
    e) Both A&C

15. **Which of the following method is used to shutdown all the bean processes after closing the spring container?**
    a) destory method
    b) none of the mentioned
    c) shutdownHook
    d) All of the mentioned

16. **Which are the attribute of bean class?**
    a) name
    b) id
    c) class
    d) all of the above

17. **IoC can be decomposed into two subtypes that are**
    a) Dependency Lookup
    b) Bean factory
    c) Dependency Injection
    d) Both A & C
    e) None

18. **What is the objective of AOP ?**
    a) MVC logic
    b) Constraint logic
    c) Bean logic
    d) Crosscutting logic

19. **What are the advantage of Dependency injection?**
    a) Makes the code loosely coupled, so easy to maintain
    b) Makes the code easy to test
    c) Both a and b
    d) None

20. **Which of the following component intercepts all requests from spring MVC application?**
    a) dispatcher servlet
    b) controller servlet
    c) filter dispatcher

21. **Which Method used to process bean?**
    a) postProcessAfterinitialization()
    b) postProcessBeforeInitialization()
    c) scope
    d) own constructor

22. **What do you mean by inversion of Control?**
    a) IOC is a technique that internalizes the creation of management of component dependencies
    b) IOC is a technique that externalizes the creation of management of component dependencies
    c) a & b
    d) None

23. **Which function returns true if the array contains the specified valued?**
    a) test(value)
    b) map(value)
    c) check(value)
    d) includes(value)

24. **You can convert the numbers to strings with the _____ method**
    a) Convert
    b) toString
    c) numberToString
    d) toFixed

25. **Which is the limitation of traditional factory pattern?**
    a) Single Implementation
    b) Multiple Implementation
    c) Both a and b
    d) None

26. **Which of the following is true?**
    a) ApplicationContext extends BeanFactory
    b) BeanFactory extends ApplicationContext
    c) BeanFactory implements ApplicationContext
    d) ApplicationContext implements BeanFactory

27. **Which keyword is used to define a constant value that will not change?**
    a) final
    b) Let
    c) Const
    d) Get

28. **Which is not Spring own Module JAR File?**
    a) Aop
    b) Oxm
    c) primeface
    d) Asm

29. **Which layer is the core layer within the application and all business logic will be implemented in this layer?**
    a) persistence layer
    b) service layer
    c) presentation layer
    d) security layer

30. **Using named parameters is preferred due to**
    a) proxy pattern usage
    b) low cohesion
    c) loose coupling
    d) improved code maintainability

31. **Which of the following configuration is supported by the LocalSessionFactoryBean?**
    a) Scanning a package to detect annoted entity classes (with @Entity)
    b) Listing hibernate XML mapping configuration file (hbm.xml)
    c) Listing entity classes annoted (with @Entity)
    d) All above

32. **Which is/are ORM frameworks?**
    a) Hibernate
    b) EclipseLink/ TopLinIc
    c) OpenTPA
    d) All are above

33. **What is Bean Factory ?**
    a) An Interface
    b) an Object
    c) a Class
    d) None

34. **Why do you design to interfaces?**
    a) Loose coupling
    b) Reduce coupling
    c) Remove coupling
    d) All of the above

35. **What data access technology is supported by the Spring framework?**
    a) JDBC
    b) Hibernate
    c) JPA
    d) Above a, b, c

36. **Which is responsible for getting connection to the database?**
    a) Statement
    b) ResultSet
    c) Driver
    d) Connection

37. **Which of the following can be the return type of a request processing method of a controller?**
    a) Void
    b) Object
    c) ModelAndView
    d) A & C

38. **What do you mean by "@Entity"?**
    a) mapped Java class
    b) mapped entity object
    c) mapped entity class
    d) None

39. **In Spring Web Flow, a flow consists of a series of steps is called**
    a) Model
    b) Instance
    c) States
    d) Object

40. **Which of the following are advantages of DI rather than a more traditional approach?**
    a) Reduced glue code
    b) Simplified application configuration
    c) Ability to manage common dependencies
    d) Improved testability
    e) All of the above

41. **Which of the following is the default scope of bean?**
    a) Request
    b) Singleton
    c) Prototype
    d) Session

42. **What is the main benefit of using Data Source ?**
    a) it is possible to use a database connection pool to fetch database connection
    b) it is possible to directly connect to a database without using connection parameters
    c) it automatically enables distributed transactions
    d) it facilitates logging of database queries and their results

43. **Spring supports which of the following format?**
    a) CurrencyFormatter
    b) DateFormatter
    c) NumberFormatter
    d) Above all

44. **Which is/are the drawbacks of the Basic Factory Pattern**
    a) There is no way to change an implementing class without a recompile.
    b) There is no way simply to switch instantiation models.
    c) Only A
    d) Both A and B

45. **Which of the following ways to inject dependency?(choose two)**
    a) By Constructor
    b) By Setter method
    c) By getter method
    d) By list method
    e) Both A & B

46. **AOP implements which of the following features?**
    a) Crosscutting logic
    b) MVC logic
    c) Constraint logic
    d) Bean logic

47. **Which of the following is the alternative to Spring HibernateTemplate**
    a) Hibernate contextual sessions
    b) HibernateContext
    c) All of the mentioned
    d) None of the mentioned

48. **Which of the following layer is used for @Controller annotation?**
    a) Session laver
    b) Business layer
    c) Service layer
    d) Presentation laver

49. **How many way we decomposed into two subtypes?**
    a) Dependency Injection
    b) Dependency Lookup
    c) Bean factory
    d) A & B

50. **What do you mean by DispatcherServlet?**
    a) DispatcherServlet is used for AOP.
    b) DispatcherServlet handles all the HITT requests and responses.
    c) DispatcherServlet is used for transaction management.
    d) DispatcherServlet is used for Dependency injection.

51. **Hibernate covered common techniques for defining _____mappings?**
    a) ORM
    b) MVC
    c) JVM

52. **Which of the following is the persistent object, stores as records in the database.**
    a) EntityManagerFactory
    b) Entity-Transaction
    c) Persistence Entity

53. **Why we use jdbcTamplate? Mentioned problems of JDBC API.**
    a) It provides you methods to write the queries directly
    b) It saves a lot of work and time.
    c) All of the above

54. **Which of the following method return list of maps?**
    a) Update query()
    b) queryForList()
    c) all of the mentioned

55. **How can you close the database resources?**
    a) Statement then Connection then ResultSet
    b) Connection then Statement then ResultSet
    c) ResultSet then Statement then Connection
    d) Statement then ResultSet then Connection

56. **How can you notify its completion of session ?**
    a) BindingResult
    b) SessionStatus
    c) Errors
    d) None

57. **Which method is used to delete data in WA?**
    a) EntityManager.remove()
    b) EntityManager.destroy()
    c) EntityManager.delete()
    d) None

58. **What kind of framework is Spring?**
    a) A lightweight framework
    b) A standard framework
    c) An explain framework
    d) None

59. **What is the core principle of Spring Framework ?**
    a) DOC
    b) JNDI
    c) IOC
    d) XML

60. **Which of the following class maintain Hibernates session factory for spring?**
    a) Application context
    b) SessionFactory
    c) method
    d) None

61. **The JdbcTemplate class offers template method for batch update operations.?**
    a) batchUpdate()
    b) update()
    c) call of the mentioned
    d) A & B

62. **What is ApplicationContext ?**
    a) Object
    b) Class
    c) Interface
    d) None

63. **SimpleJdbcTemplate perform batch update method in the form of What?**
    a) Map
    b) Last
    c) Vector
    d) Set

64. **jQuery is one of the most popular JavaScript libraries being used for**
    a) a€ development
    b) Desktop application
    c) Web fronted
    d) Both a and b
    e) None

65. **How can you Annotation for Hibernate exceptions ?**
    a) @Repo
    b) @Repository
    c) @Translation
    d) None of the mentioned

66. **Which of the following interface is used by the JdbcTemplate to map a resultset row ?**
    a) Mapper
    b) ValueMapper
    c) RowElementMapper
    d) RowMapper

67. **What do you mean by CRUD?**
    a) Create, Run, Update, Destroy
    b) Create, Read, Update, Delete
    c) Create, Run, Update, Delete
    d) Create, Read, Update, Destroy

68. **What is the objective of Spring Dependency Injection ?**
    a) easier to test
    b) Simple
    c) easier to understand
    d) All of the above

69. **Which of the following module provides basic web-oriented integration ?**
    a) Web-MVC module
    b) Web-Socket module
    c) Web module
    d) Web-Portlet module

70. **POJO stand for?**
    a) Plain Old Java Object
    b) Pre old java object
    c) Plain order java object

71. **Which is the default validator of spring?**
    a) Spring validator
    b) Spring validator
    c) Hibernate validator
    d) Hibernate validator
    e) Bean validator

72. **JdbcDaoSupport wrap up the which of the following class**
    a) JdbcTemplate
    b) JdbcDao
    c) JdbcSupport
    d) None

73. **Which of the following is the default ©RequestMapping ?**
    a) GET
    b) PUT
    c) POST
    d) None

74. **Which of the following exception classes is related to all the exceptions thrown in spring applications?**
    a) NullPointerException
    b) DataAccessException
    c) SpringException
    d) ArrayIndexOutofBound

75. **Transforming JavaBeans into XML is called?**
    a) Marshaling
    b) Unmarshaling

76. **Which of the following is/are the Spring web flow feature?**
    a) Flow
    b) View
    c) Conversation
    d) All of the above

77. **Which of the following is return row?**
    a) mapRow()
    b) query
    c) update
    d) none

78. **How many ways we can configure the ApplicationContext?**
    a) XML based
    b) OSPEL Based
    c) Annotation based
    d) A&C

79. **What is/are the purpose of validation?**
    a) Fulfills all predefined business requirements.
    b) Ensure the data integrity of the application.
    c) Usefulness in other lavers of the application.
    d) All

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    d) All of the above

81. **Which of the following is the Annotation for Controller Class?**
    a) @After
    b) @Exception
    c) @Before
    d) @Controller

82. **What should we do to publish a REST service with Spring?**
    a) publishing an applications data as a REST service
    b) accessing data from third-party REST services

c) all of the mentioned

83. **Which of the following method return the JDBC template?**
    a) getTemplate()
    b) getJdbc()
    c) getJdbcTemplate()
    d) setJdbcTemplate()

84. **Which of the following repository is used in Spring?**
    a) JPa
    b) JDB
    c) JBoss Seam
    d) Velocity

85. **Which of the following statements is/are correct for spring beans?**
    a) Spring beans are simple POJOs
    b) Spring beans are managed by IoC container
    c) Spring beans are instantiated and assembled
    d) All of the above

86. **JPQL is similar to**
    a) MySQL
    b) HQL
    c) iBatis
    d) None

87. **What is the main advantage of using Data Access Object ?**
    a) It provides access credentials to the data objects
    b) It hides database specific implementation from the other layers of the application
    c) It always provides non jdbc specific implementation
    d) It provides object modeling for data

88. **Which component is used for request ?**
    a) RequestMapper
    b) URLMapper
    c) RequestMappin
    d) RequestResolver

89. **Which of the following technique that externalizes the creation and management of Component dependencies?**
    a) DAO
    b) JNDI
    c) IoC
    d) None

90. **Spring MVC which is the central servlet that receives requests and dispatchers then to the appropriate controllers ?**
    a) DispatcherServlet
    b) Servlet
    c) ActionServlet
    d) None of the above

91. **Which of the following file is required for configuring the database and the registration of entity classes?**
    a) Web.xml
    b) App-context.xml
    c) Persistence.xml
    d) None

92. **What do you mean by HQL?**
    a) Hipertext Query Language
    b) Hiperlink Query Language

c) Hibernate Query Language

93. How can you annotate a transaction ?
  a) Transactional
  b) Transactions
  c) Transaction
  d) None of the mentioned

94. How can we return contextual sessions ?
  a) getSession() method
  b) getCurrent() method
  c) getCurrentSession() method
  d) HibernateContext

95. In a web application, in terms of bean scopes, there are which scopes are available? *
  a) Request
  b) Session
  c) Application
  d) Above all

96. Which of the following is a correct SQL resultset mapping at the entity class?
  a) @SqlResultSetMapping
  b) @SqlResultSetExactor
  c) @SqlReseltSet Query

97. How can you handle the shutdown of IoC container?
  a) Using shutdownHandler()
  b) Using registerShutdownHook()
  c) Using registerHook()
  d) Using shutdownHook()

98. Which of the following class is belongs to the Spring Jdbc module?
  a) JdbcDaoSupport
  b) JdbcTemplateSupport
  c) JdbcTemplateDaoSupport
  d) JdbcObjectDaoSupport