Chapter 4

1. Bean Factory is

a) An Interface

b) an Object

c) a Class

d) None

2. ApplicationContext is

a) Interface

b) Object

c) Class

d) None

3. ApplicationContext is an extension of

a) ActionServlet

b) Action

c) BeanFactory

d)None

4. There are two ways we can configure the ApplicationContext in Spring. Which are

a) XML based

b) Annotation based

c) jdbc based

d) SpEL Based

5. Some service provided by BeanFactory are:

a) Inheritance

b) life-cycle

c) autowiring

d) None

6. A component that requires certain dependencies is often referred to as the

a) ActionServlet

b) Dependent object

c) Independent object

d) None

7. IOC can be decomposed into two subtypes are

a) Dependency Injection

b) Dependency Lookup

c) Bean factory

d) None

8. Dependency Lookup is

a) Traditional approach

b) Newer approach

c) Both

9. Dependency Injection is

a) Traditional approach

b) Newer approach

c) Both

10. Dependencies are injected into the component by the

a) Servlet container

b) java container

c) IOC container

11. Dependency Lookup are two types

a) Dependency Pull

b) Contextualized Dependency Lookup (CDL)

c) Bean factory

d) None

12. Dependency Injection are two types

a) Constructor Dependency Injection

b) Setter Dependency Injection

c) Both twos

13. Dependencies are pulled from a registry as required in

a) Dependency Pull

b) Setter Dependency Injection

c) Constructor Dependency Injection

14. Lookup-based solutions are more complex than injection-based ones

a) True

b) False

15. Passive code is not much simpler to maintain than active code

a) True

b) False

16. Setter Injection is that it allows dependencies to be declared on an interface

a) True

b) False

17. Configuration parameters are

a) Passive

b) Information

c) Components

d) Simple values

18. Transaction and AOP service, message source for internationalization (i18n) and application event handling are the services of

a) ApplicationContext

b) BeanFactory

c) FactoryBean

d) ActionServlet

19. XML file configuration will override the annotation ones

a) True

b) False

20. Which namespace provides support for configuring Spring’s ApplicationContext

a) context

b) p

c) c

d) ActionServlet

21. Which namespace provides a simpler DI configuration for Setter Injection

a) e

b) p

c) c

22. Which namespace provides a simpler DI configuration for Constructor Injection

a) context

b) p

c) c

23. Which namespace provides some useful utilities for DI configuration

a) context

b) p

c) c

d) util

24. Multiple base-package can be defined by using

a) comma

b) Semicolon

c) Space

d) Underscore

25. By default, all beans in Spring are singletons

a) True

b) False

26. Dependency injection services that Spring offers, including

a) Setter Injection

b) Constructor Injection

c) Method Injection

d) Getter Injection

27. Spring’s ApplicationContext interface extends

a) BeanFactory

b) GenericApplicatinContext

c) GenericApplication

d) None

28. How many ways to configure Spring application context?

a) Three

b) Four

c) Two

d) Five

29. How many types of Dependency Lookup?

a) Three

b) Two

c) Four

d) Five

30. Dependency Pull is the most familiar type of

a) IOC

b) DI

c) Contextualized Dependency Lookup

d) None

31. public class DepInjection{

private Dependency dependency ; public void setDependency(Dependency dependency ){

this.dependency = dependency ;

}

}

What type of the above code is?

a) Constructor Dependency Injection b) Setter Dependency Injection

c) Method Dependency Injection

d) Getter Dependency Injection

32. Active code is much simpler and less error prone.

a) True

b) False

33. IOC Stands for

a) Inversion of Control

b) Inversion of Class

34. DI is specialized from

a) CDL

b) IOC

35. BeanFactory is a class

a) True

b) False

36. What is the role IOC container in Spring?

a) Create the instance

b) Configure the instance

c) Assemble the dependencies

d) None

37. Which is the more traditional approach

a) Dependency Injection

b) Dependency Lookup

38. Dependency Lookup are

a) Dependency Pull

b) Contextualized Dependency Lookup

c) None of above

39. DI stands for ...

a) Declaration interface

b) Dependency interceptor

c) Dependency Injection

40. CDL stands for...

a) Controller Dependency Lookup

b) Contextualized Dependency lookup

c) None

41. BeanDefinitionRegistry is an interface

a) True

b) False

42. IOC can be decomposed in which subtype

a. Dependency Injection.

b. Dependency certain.

c. Dependency Lookup.

d. Dependency pull

43. Which statement are correct

a. Dependency Lookup is newer.

b. Dependency Injection is newer.

c. Dependency Lookup is more familiar to java programmers.

d. Dependency Lookup is much traditional.

44. Function of dependency pull are

a. Establish relation between two dependencies.

b. Make Connection to Database.

c. Dependencies are pulled from a registry as required.

45. Dependency requirement exposed by the

a. setDependency ();

b. getDependency();

c. putDependency ()

d. dependency constructor ();

46. Passive code is much simpler to maintain than active code

a. True.

b. False.

47. The core of Spring’s implementation is based on

a. Lookup injection

b. Dependency injection

c. Dependency lookup.

d. Constructor injection

48. Bean can also have instantiated without any ID and name known as

a. BeanFactory.

b. Anonymous class.

c. Anonymous bean.

d. XmlBeanDefination.

49. Which statement are true about namespace

a. c: The context namespace provides support for configuring spring’s application context

b. P: The p namespace provides a simpler DI configuration for setter injection.

c. util: The util namespace provides some useful utilities for DI configuration for constructor Injection.

50. Spring is described as ………………. For building java application.

a) A lightweight framework

b) A standard framework

c) An explain framework

d) None

51. Inversion of control (IOC) represent –

a) Dependency lookup

b) Dependency injection

c) Traditional approach

d) Both a & b

52. Dependency injection has two common flavors, there are

a) Method Dependency injection

b) Constructor Dependency injection

c) Getter Dependency injection

d) Setter Dependency injection

53. For xml configuration you need to declared the required-

a) Namespace

b) Logical method

c) Dependency pull

54. What are the true for configure parameter?

a) Configure parameters are passive

b) Configuration parameters are usually information not other component.

c) Configure parameters are usually simple value.

d) All of above.

55. Advantage of Dependency injection

a) Makes the code loosely coupled, so easy to maintain

b) Makes the code easy to test

c) Both a & b

d) None

56. Advantage of Spring framework

a) Powerful abstraction

b) Lightweight

c) Easy to test

d) All of above

57. There are two types of IOC containers. They are

a) BeanFactory   
b) ApplicationContext   
c) BeanContext   
d) ApplicationFactory

58. Which is the Artifact ID for spring aspects Module JAR File.   
a) spring-aspects   
b) spring-core   
c) spring-asm   
d) spring-aop

59. SpEL Means   
a) Spring Expression Language   
b) Spring Exception Language   
c) Spring Export Language   
d) None

60. Which tags are used in Annotation based configuration? a) <context: annotation-config>   
b) <context: component-scan base-package=”com.exam”>   
c) A & B   
d) None

61. Write down the way of Dependency LookUp?

a) Dependency Pull

b) Contextualized Dependency LookUp (CDL)

c) both.

d) None.

62. Write down the way of Dependency Injection?

a) Constructor Dependency Injection.

b) Setter Dependency Injection.

c) both.

d) None.

63. Spring Expression Language(SpEL) is the Fiture OF \_\_\_\_?

a) Spring 1

b) Spring 2

c) Spring 3

64. To configure Spring to Inject one bean to another we use \_\_\_ tag under the <Property> or <constractor-app>.

a) <ref>

b) <prob>

c) <entry>

65. By using <prob> tag We can pass value as \_\_\_\_?

a) List

b) String

c) Map

66. If we want to use Lookup Method injection in our application, we need a jar file called \_\_\_\_\_\_?

a) CGLIB JAR file.

b) Dpl jar file.

67. When you need to avoid to use method LookUp Injection in the beans?

a) In the same life cycle

b) If they are singleton

c) If they are non-singleton.

d) A & B

68. Every Bean must have a unique \_\_\_\_\_\_ With the application-context?

a) ID.

b) Name.

c) Class

d) Scope

69. By default, all beans in spring are \_\_\_\_?

a) Nonsingletons.

b) Singletons.

c) Prototype

d) session

70. Which of those bean scopes are supported by the version 3.1?

a) Singleton

b) Prototype

c) Request

d) Session

e) All of the avobe

71. Spring support how many modes of AutoWiring?

a) 2

b) 3

c) 4

d) 5

Note: byName, byType, constructor, default