1. Does Spring provide programmatic transaction management? Select a unique answer.
a.Yes using the @Transactional bean post processor
b.Yes with the TransactionTemplate class
c.Yes with the TransactionService class
d. Yes using the @Transactional bean post processor

ans: b

Explanation
1. The TransactionTemplate class provides an execute(TransactionCallback) method
2. The TransactionService class does not exists
3. The @Transactional annotation is for declarative transaction management

2. How could you externalize constants from a Spring configuration file or a Spring annotation into a .properties file? Select one or more
a. By using the <context:property-placeholder /> tag
b.By using the <util:constant /> tag
c.By declaring the ConstantPlaceholderConfigurer bean post processor
d. By using the c: namespace

ans: a

3. To validate Java beans in a web application using annotations.
a) XML
b) Java Based
c) JAR-303 standard
d) All of the mentioned

ans: d

4. Annotation used to indicate a field has to have a minimum of 2 characters.
a) @NotNull
b) @Size
c) @MaxSize
d) @size
Answer: b
Explanation: @Size annotation used to indicate a field has to have a minimum of 2 characters.

5. Spring MVC supports generating Excel files using which of the following libraries.
a) Apache POI library
b) JExcelAPI library
c) All of the mentioned

d) None of the mentioned

ans: C

6. Interface for Dispatcher Servlet to auto detect view resolver beans.
a) localeResolver
b) tiles
c) ViewResolver
d) none of the mentioned.

ans: C

Explanation: Spring MVC comes with several ViewResolver implementations for you to resolve views using different strategies.

7.By default, XmlViewResolver loads view beans from /WEB-INF/views.xml which is final.
a) True
b) False

ans: b

8.Views that can't be resolved byInternalResourceViewResolver.
a) redirect
b) redirect:prefix
c) redirect:suffix
d) all of the mentioned

ans: a

9. Annotation which allows a controller's field to be assigned using Spring Expression Language(SpEL)
a) @Value
b) @After
c) @Default
d) @None

ans: a

10.SpEL statements are recognizable.
a) True
b) False
View Answer

Answer: a
Explanation: They use a notation in the form "#{ SpEL statement }".

11.To publish a REST service with Spring.
a) publishing an application's data as a REST service
b) accessing data from third-party REST services
c) none of the mentioned
d) all of the mentioned

ans: a b

12. Publishing an application's data as a REST service requires.
a) @RequestMapping
b) @PathVariable
c) All of the mentioned
d) None of the mentioned

ans: a b

13.Annotation added as an input parameter to the handler method.
a) @PathVariable
b) @Path
c) @PathLocale
d) None of the mentioned

ans: a

14. Which of the following statements is true regarding the @ResponseStatus annotation?
a. @ResponseStatus is detected on nested exceptions
b.The ExceptionHandlerExceptionResolver uses the @ResponseStatus annotation to map exception to HTTP status code
c. A controller handler is annotated with the @ResponseStatus, the response status set by RedirectView takes precedence over the annotation value.
d. The @ResponseStatus annotation can go on a @RequestMapping method or a @RestController class or a

business exception class.

ans: a

15. Default localeResolver used by Spring.
a) AcceptHeaderLocale
b) AcceptHeader
c) AcceptHeaderLocaleResolver
d) AcceptLocaleResolver

ans: c

16. Alternative way to resolve locales.
a) AcceptHeaderLocale
b) AcceptHeader
c) AcceptHeaderLocaleResolver
d) SessionLocaleResolver

ans: d

17. General-purpose class that allows a response to be rendered using a marshaller.
a) MarshallingView
b) Marshalling
c) View
d) All of the mentioned
View Answer

Answer: a
Explanation: The membertemplate view is defined as a MarshallingView type, which is a general-purpose class that allows a response to be rendered using a marshaller.

18. Annotation which allows the Jaxb2Marshaller marshaller to detect a class's (i.e., object's) fields.
a) @XmlRootElement
b) @XmlRoot
c) @NotNull
d) None of the mentioned

ans: a

19.How to auto-inject into a field a Spring bean by its name? Select one or more answer choices.
a. By using both the @Autowired and the @Qualifier Spring annotations
b.By using the @Autowired annotation and naming the field with the bean name
c. With the name attribute of the @Autowired annoton
d. By using the single @Qualifier annotation

ans : a

20. Considering 2 classes AccountServiceImpl and ClientServiceImpl. Any of these 2 classes inherits from each other. What is the result of the following pointcut expression?

execution(* *..AccountServiceImpl.update(..))
&& execution(* *..ClientServiceImpl.update(..))

a.No joint point is defined
b.Matches public update methods of the 2 classes, whatever the arguments
c.Matches any update methods of the 2 classes, whatever the arguments and method visibility
d.Matches any update methods of the 2 classes, with one more arguments and whatever method visibility

ans: a

21. Select the right statement about referring a Spring configuration file inside the package com.example.myapp in the below example?
ApplicationContext context = new
ClassPathXmlApplicationContext("classpath:/com.example.myapp.config.xml");

a. all of the above
b. The classpath: prefix could be omitted
c.Package name using the dot character is not well formatted
d.The slash character preceding com.example could be omit

ans: a

22. Using the Spring AOP framework, what is the visibility of the method matches by the following join point?

@Pointcut("execution(* *(..))")
private void anyOperation() {};

a. Public methods
b. All methods, whereas their visibility
c.All methods, except private method

d. Protected and public methods

ans: a

23. What the name of the bean defined in the following configuration class? Select a single answer.

```
@Configuration
public class ApplicationConfig {

@Autowired
private DataSource dataSource;

@Bean
ClientRepository clientRepository() {
ClientRepository accountRepository = new JpaClientRepository();
accountRepository.setDataSource(dataSource);
return accountRepository;
}
}
```

a. clientRepository
b. JpaClientRepository
c.jpaClientRepository
d.Two beans are defined: a data souce and a repository

ans: a

24. Which of the following is true regarding the below Spring controller?

```
@RestController
public class OwnerController {

@RequestMapping(value = "/owner/{ownerId}", method = RequestMethod.POST)
@ResponseBody
public Owner findOwner(@PathVariable("ownerId") int ownerId) {
return new Owner();
}
}
```

a. RequestMethod.GET method is more accurate than POST
b. @ResponseBody could be removed
c. @PathVariable should be replaced with the @PathParam annotation
d. Returning the 201 HTTP status code is better

ans: a

25. What is an advice? Select a unique answer.
a.An action taken by an aspect at a particular join point
b. A point during the execution of a program
c. An aspect and a pointcut
d. A predicate that matches join points

ans: a

26. What is the easiest method to write a unit test?

a. @RequestMapping("/displayAccount")
String displayAccount(@RequestParam("accountId") int id, Model model)
b. void displayAccount(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException
c. void displayAccount(HttpServletRequest req, HttpSession Session)
throws ServletException, IOException
d. @RequestMapping("/displayAccount")
String displayAccount(@PathVariable("accountId") int id, Model model)

ans: a

27. Select method's signatures that match with the following pointcut:
execution(* com.test.service..*.*(*))

a.void com.test.service.MyServiceImpl#transfert(Money amount)
b. void com.test.service.account.MyServiceImpl#transfert(Money amount)
c. void com.test.service.MyServiceImpl#transfert(Account account, Money amount)
d. void com.test.service.account.MyServiceImpl#transfert(Account account, Money amount)
e. None of the above

ans: a

28. Given the Spring configuration file, which are the correct statements?
<bean class="com.spring.service.BankServiceImpl"
p:bankName="NationalBank">
</bean>

a. The p namespace has to be declared
b. NationalBank is a scalar value
c. Bean id is bankServiceImpl
d. The BankServiceImpl references a NationalBank bean

ans: a

29. Given the following configuration class, what are the correct affirmations? Select one or more answers.

```
public class ApplicationConfig {

private DataSource dataSource;

@Autowired
public ApplicationConfig(DataSource dataSource) {
this.dataSource = dataSource;
}

@Bean(name="clientRepository")
ClientRepository jpaClientRepository() {
return new JpaClientRepository();
}
}
```

a. Configuration annotation is missing
b. Default or no-arg constructor is missing
c. @Bean name is ambiguous
d. @Bean scope is prototype

ans: a

30. Using JdbcTemplate, what is the Spring provided class you will use for result set parsing and merging rows into a single object? Select a unique answer.
a. ResultSetExtractor
b. RowMapper
c. RowCallbackHandler
d. ResultSetMapper

ans: a