

Class Test on Web Based Java Programming- PGDAC 2022

Total points 38/40

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✓ 1. Which of the following is not a valid type of statement in JDBC? *

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- ☐ Statement
- ☐ PreparedStatement
- ☐ CallableStatement
- ☒ QueryStatement

✓ 2. Which of the following is an advantage of using PreparedStatement in Java?

- ☐ Slow Performance
- ☐ Encourages SQL Injection
- ☒ Prevents SQL injection
- ☐ More memory usage

✓ 3. Which of the following code can be used to redirect user to different url?

- ☐ request.sendRedirect(location)
- ☒ response.sendRedirect(location)
- ☐ header.sendRedirect(location)
- ☐ None of the above

✓ 4. Which of the following code is used to set the session timeout in servlets?

- ☒ Session.setMaxInactiveInterval(interval)
- ☐ Response.setMaxInactiveInterval(interval)
- ☐ Request.setMaxInactiveInterval(interval)
- ☐ None of the above



✓ 5. Which of the following are the valid scopes in JSP? *

- ☒ request, page, session, application
- ☐ request, page, session, global
- ☐ response, page, session, application
- ☐ request, page, context, application

✓ 6. Which of the following is true about include directive? *

- ☐ The include directive is used to include a file during the translation phase.
- ☐ include directive tells the container to merge the content of other external files with the current JSP during the translation phase.
- ☒ Both of the above.
- ☐ None of the above

✓ 7. In JSP Action tags which tags are used for bean development? *

- ☐ jsp:useBean
- ☐ jsp:setProperty
- ☐ jsp:getProperty
- ☒ All mentioned above



✓ 8. How many jsp implicit objects are there? *

- ☐ 8
- ☒ 9
- ☐ 10
- ☐ 7

✗ 9. Which JSP Action tag is used to include the content of another resource, it may be jsp, html or servlet?

- ☐ jsp:include
- ☐ jsp:forward
- ☒ jsp:plugin
- ☐ jsp:param

Correct answer

- ☒ jsp:include

✓ 10. Which of the following is not a component/class of JDBC API? *

- ☐ Statement
- ☐ ResultSet
- ☐ SQLException
- ☒ ConnectionPool

✓ 11. Which of the following is correct about stored procedures? *

- ☐ A stored procedure is a group of SQL statements that form a logical unit and perform a particular task.
- ☐ Stored procedures can be called using CallableStatement class in JDBC API.
- ☒ Both of the above.
- ☐ None of the above.

✓ 12. The ResultSet.next method is used to move to the next row of the ResultSet,
making it the current row.

- ☒ True
- ☐ False

✓ 13. What is used to execute parameterized query? *

- ☐ Statement interface
- ☒ PreparedStatement interface
- ☐ ResultSet interface
- ☐ None of the above



✓ 14. A client types the URI :

`http://www.someserver.com/servlet/SomeServlet?name=fred` , The value of name can be obtained by:

- ☒ String name = request.getParameter("name");
- ☐ String name = request.getInitParameter("name");
- ☐ String name = response.getParameter("name");

✗ 15. Which two interfaces does the javax.servlet.jsp package have? *

- ☒ HttpJspPage
- ☐ JspWriter
- ☐ PageContext
- ☐ Both 2 & 3

Correct answer

- ☒ Both 2 & 3

✓ 16. Which of the following object is used to create SessionFactory object in hibernate?

- ☒ Configuration
- ☐ Session
- ☐ SessionFactory
- ☐ Transaction



✓ 17. Which of the following is true about HQL? *

- ☐ HQL takes java objects in the same way as SQL takes tables.
- ☐ HQL is a Object Oriented Query language
- ☐ HQL is database independent.
- ☒ All of the above.

✓ 18. Which of the following is true about @Column annotation? *

- ☒ The @Column annotation is used to specify the details of the column to which a field or property will be mapped.
- ☐ The @Column annotation is applied on a class.
- ☐ Both of the above.
- ☐ None of the above.

✓ 19. Which of the following is true about persistent state of a persistent entity?

- ☐ You can make a transient instance persistent by associating it with a Session.
- ☐ A persistent instance has a representation in the database.
- ☐ A persistent instance has an identifier value.
- ☒ All of the above.



✓ 20. If entity is not annotated with @Table, what will happen? *

- ☐ Throws error because no table name is assigned.
- ☒ No error and class name is mapped with table name.

✓ 21. To persist collections of embeddable type, hibernates uses *

- ☐ @OneToMany
- ☒ @ElementCollection

✓ 22. Which of the following is true about hibernate annotations? *

- ☐ Hibernate Annotations is the powerful way to provide the metadata for the Object and Relational Table mapping
- ☐ All the metadata is clubbed into the POJO java file along with the code this helps the user to understand the table structure and POJO simultaneously
- ☒ Both of the above
- ☐ None of the above

✓ 23. Transient and detached objects in hibernate are *

- ☒ Instances of persistent class that are not currently associated with session.
- ☐ Instances of persistent class which are in session.



✓ 24. Which class represents the IoC container? *

- ☒ ApplicationContext
- ☐ ServletContext

✓ 25. What is Pointcut? *

- ☐ This represents a point in your application where you can plug-in AOP aspect.
- ☐ This is a set of one or more joinpoints where an advice should be executed.
- ☐ This is used to inject values in objects.
- ☒ This is invoked during program execution by Spring AOP framework.

✓ 26. What are the types of advice? *

- ☐ then, after, after-returning, after-throwing, around
- ☐ When, after, after-returning, around
- ☐ Where, after, after-returning, after-throwing, around
- ☒ Before, after, after-returning, after-throwing, around



✓ 27. What is @Controller annotation? *

- ☒ The @Controller annotation indicates that a particular class serves the role of a controller.
- ☐ The @Controller annotation indicates how to control the transaction management.
- ☐ The @Controller annotation indicates how to control the dependency injection.
- ☐ The @Controller annotation indicates how to control the aspect programming.

✓ 28. What is Dependency Injection? *

- ☒ It is a design pattern which implements Inversion of Control for software applications.
- ☐ It is one of the spring module.
- ☐ It is a technique to get dependencies of any project.
- ☐ It is used to promote tight coupling in code.

✓ 29. What is true about cross-cutting concerns? *

- ☐ The functions that span multiple points of an application are called cross cutting concerns.
- ☐ Cross-cutting concerns are conceptually separate from the application's business logic.
- ☐ Logging is one of the examples of cross cutting concerns.
- ☒ All of the above.



✓ 30. Which of the statement is correct? *

- ☐ The JDBC module provides a JDBC-abstraction layer that removes the need to do tedious JDBC related coding.
- ☐ The ORM module provides integration layers for popular object-relational mapping APIs, including JPA, JDO, Hibernate, and iBatis.
- ☐ The Java Messaging Service JMS module contains features for producing and consuming messages.
- ☒ All of the above.

✓ 31. What types of Dependency injection does spring supports? *

- ☐ Constructor based, Setter based
- ☐ Constructor based, Setter based, Getter Based
- ☐ Setter based, Getter based, Properties based
- ☒ Constructor based, Setter based, Properties based

✓ 32. Which class is used to map a database row to a java object in spring?

- ☐ ResultSet
- ☒ RowMapper
- ☐ RowSetMapper
- ☐ ResultSetMapper



✓ 33. Which statements are true about DispatcherServlet ? *

- ☐ DispatcherServlet is an expression of the "Front Controller" design pattern
- ☐ DispatcherServlet is declared in the web.xml of your web application.
- ☐ The Spring DispatcherServlet has a couple of special beans it uses in order to be able to process requests and render the appropriate views. These beans can be configured in WebApplicationContext.
- ☒ All the above

✓ 34. -- object is used by a request processing method to check validation failure?

- ☐ ValidationErrors
- ☒ BindingResult
- ☐ ValidationBinding

✓ 35. Which annotation is required to receive a model object initialized by the request parameters, in a request processing method?

- ☐ @RequestParam
- ☒ @ModelAttribute
- ☐ @ModelObject



✓ 36. Which of the following component intercepts all requests in a Spring MVC application?

- ☐ FilterDispatcher
- ☒ DispatcherServlet
- ☐ ControllerServlet

✓ 37. Rest Template is used to *

- ☐ create applications that produced RESTful Web Services
- ☒ create applications that consume RESTful Web Services
- ☐ both
- ☐ None

✓ 38. Is this possible to change the port of Embedded Tomcat server in Spring boot?

- ☒ True
- ☐ False



✓ 39. The ways to Bootstrapping a Spring Boot application is by using Spring Initializer?

☒ True

☐ False

✓ 40. Spring Security provides : *

☐ Authentication

☐ Authorization

☒ Both of the above

☐ None of the above

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