1. Which of the following are the popular commercial O/R frameworks?

   ○ Toplink

   ○ Struts

   ○ Hibernate

   ○ Both A & C

2. Which of the following properties provide an easy facility for internationalizing and customizing the pages for JSF?

   ○ JavaBean

   ○ Tag library.

   ○ Message Bundles

   ○ None

3. Which of the following statement is correct related to JSP?

   ○ JSP technology is not just an extension of servlet technology

   ○ JSP engine will translate the contents of the JSP into servlet

   ○ JSP engine will translate the contents of the JSP into JSTL

4. Which of the followings are JSF action Tags?

   ○ < c:choose>

   ○ < sql:setDataSource>

   ○ < h:dataTable>

○ < f:selectItem>

○ both C & D

5. When objects are being designed in detail the signature of each operation has to be specified. Which of the following statements is consistent with the term operation signature?

○ Each operation in a class has the same signature.

○ The operation name and the number of parameters are part of the operation signature.

○ A class may not have two operations with the same name.

6. Which of the following are the rules that modelling techniques should enforce?

○ Simplicity of representation, external consistency, completeness and network representation

○ Simplicity of representation, internal consistency, completeness and hierarchical

○ Simplicity, internal consistency, completeness and hierarchical symbols

7. Which combination of cohesion and coupling is desirable in a design?

○ High cohesion and low coupling.

○ High cohesion and high coupling.

○ Low cohesion and high coupling.

8. doGet(), doPost(),doHead, doDelete() belongs to what type of servlet?

○ HttpServlets

○ Genereic Servlets

○ All of the above

○ None of the above

9. Which of the following technology is best used when a great deal of programmatic control is required?

○ JSP

○ Servlet

○ JSF

○ None

10. Which of the following is not a workflow in the Unified Software Development Process?

○ Construction.

○ Implementation

○ Test

11. What is meant by design trade-offs?

○ A way of resolving conflicts between requirements and design constraints.

○ A way of achieving measurable objectives in design.

○ A way of producing reusable code.

12.

Consider the following statements about CASE tools.

Current CASE tools can perform
semantic checks on a set of diagrams modelling an information system.

Â Â Â
Current CASE tools can perform syntactic and consistency checks on a set
of diagrams modelling information system.

Â Â Â
Current CASE tools can perform syntactic checks on a set of diagrams
modelling information system.

Â Â Â Â Â Â Â Â Â Â Â Â Â Â **Which of the following is true?**

○ Statements A, Band C are true.

○ Statements A and C are true.

○ Statements B and C are true.

13. Which of the following attributes are mandatory in tag?

○ id, type

○ type, class

○ id, class

○ type,property

14. Which of the following is a disadvantage of the traditional life cycle?

○ It does not allow the use of object-oriented technology.

○ Requirements change during development after the main system requirements have been agreed.

○ It separates requirements analysis and design.

15. Which of the following are Identifying bean Scopes of JSF?

○ Request

○ session

○ page

○ above a,b

16. Which of the following best describes an object?

○ Part of a software system that is entirely unique.

○ A concept, abstraction or thing in an application domain.

○ A program that represents something tangible in the problem domain.

17. Which of the following is a list of characteristics of good analysis?

○ Completeness, consistency, correct scope and correct content.

○ Consistency, security, reliability and completeness.

○ Consistency, efficiency, effectiveness and correct scope.

18. Which of the following best describes composition?

○ A package of model elements

○ A set of realizations for a single use case

○ A ==relationship between a whole and its parts==

19. Which of the following are UML implementation diagrams ?

○ Component diagrams

○ ==Deployment diagrams==

○ All

20. Which of the following best describes an advantage of the Singleton pattern?

○ ==The pattern can be used to ensure that no more than a fixed number of instances of the Singleton class are created.==

○ Using the pattern always makes a system easier to maintain.

○

When the pattern is used global data can be accessed more quickly.

21. Which of the following is Creational Patterns?

○ ==Singleton Pattern==

○ State Pattern

○ Composite Pattern

22. Which of the following is claimed as an advantage of iterative development processes?

○ ==Risk mitigationâ€"by identifying technical problems early on.==

○ Logical design—by producing a design that is not tied to the physical implementation.

○ Diagram separation—by making it possible to use different kinds of diagrams in analysis from those used in design.

23. Which of the following statements is true about statecharts in general?

○ A statechart must have a final state.

○ A statechart must have at least one initial state.

○ A statechart must have one initial and one final state

24. "The ability of different methods to implement the same operation in different ways those are appropriate to its class"
This statement is about _____.

○ Inheritance

○ Generalization

○ Specialization

○ Polymorphism

25. Which of the following is true?

○ Identifying what messages are passed between objects is a straightforward process.

○ Message passing is a metaphor used to describe object interaction.

○ Message passing is only concerned with query operations.