Code Quality - Java Assignment

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Q1. Who invented Git - A version control system?
        a. Tim Cook
        b. Linus Torvalds
        c. Sundar Pichai
        d. Reed Hastings

Answer: (b) Linus Torvalds

Q2. When was Java founded?
        a. 2000
        b. 1995
        c. 2005
        d. 2021
        e. Still not found

Answer: (b) 1995

Q3. Java is suitable for building _____?
        a. Enterprise grade applications
        b. Data engineering applications

Answer: (a) Enterprise grade applications

Q4. Apple Operating System is based on :-
        a. Windows
        b. Unix(Linux)
        c. Java
        d. Php

Answer: (b) Unix (Linux)

Q5. Do we have iterations in the Waterfall model development process?
  a. Yes
  b. No

Answer: (b) No

Q6. Full form of RHEL?

Answer: Red Hat Enterprise Linux operating system.

Q7. Which feature doesn't fall under code quality?
  a. Reliability
  b. Maintainability
  c. Security
  d. Abstraction

Answer: (d) Abstraction

Q8. What casing does Java follow?
  a. Camel Casing
  b. Pascal Casing
  c. Both the above two options
  d. Snake Casing
  e. Kebab Casing

Answer: (c) Both the above two options

Q9. Which file extension makes Java platform independent
  a) .exe
  b) .class
  c) .java
  d) None

Answer: (b) .class

Q10. Java was initially owned by which company?
  a) Bell Labs
  b) Sun Microsystems
  c) Oracle
  d) Google   **Answer: (b) Sun Microsystems**

Q11. Which company owns java at present?
        a. IBM
        b. Microsoft
        c. Sun microsystems
        d. Oracle

Answer: (d) Oracle

Q12. Agile Software Development is based on
        a) Incremental Development
        b) Iterative Development
        c) Linear Development
        d) Both Incremental and Iterative Development

Answer: (d) Both Incremental and Iterative Development

Q13. Who invented Java?
        a. Linus Torvalds
        b. Larry Page
        c. James Gosling
        d. Dennis Ritchie

Answer: (c) James Gosling

Q14. Which one of the following models is not suitable for accommodating any change?
        a) Build & Fix Model
        b) Prototyping Model
        c) RAD Model
        d) Waterfall Model

Answer: (d) Waterfall Model

Q15. In agile software processes the highest priority is to satisfy the customer through early and continuous delivery of valuable software.
        a. True
        b. False

Answer: (a) True

Q16. Which is the most secure OS?
        a) Windows
        b) Red Hat Linux (Linux)
        c) MacOS

Answer: (b) Red Hat Linux (Linux)

Q17. Which of the following are the advantages of Agile software development life cycle?
        a) Enables concurrent development and delivery within an overall planned context.
        b) Functionality can be developed rapidly and demonstrated.
        c) Peer/Pair Programming
        d) Easily accommodates change.
        e) All of the above

Answer: (e) All of the above

Q18. Which of the following coding issues a compiler cannot detect?
        a) Inconsistent code structure
        b) Syntactic issues
        c) Code complexity
        d) Both a) and c)

Answer: (d) Both (a) and (c)

Q19. Which testing is performed to ensure that the code changes that are made are working as properly
        a) Smoke testing
        b) Unit testing
        c) Sanity testing
        d) Functional testing

Answer: (c) Sanity testing

Q20. Which of the following is true of exhaustive testing?
a) Generally infeasible in practice
b) Tests all possible inputs
c) Both
d) None

Answer: (b) Both

Q21. What is the purpose of the standard style of coding?
a) Uniform look of the codes
b) Easy to code understanding
c) Encourages good programming practices
d) All of above

Answer: (d) All of above

Q22. What are the limitations of the Waterfall model?
a) Requirements not adapted at a later stage
b) A client focussed model
c) Concurrent execution of phases is not allowed
d) Both a) and c)

Answer: (d) Both (a) and (c)

Q23. What is the main aim of DRY principle in java?
a) clarity
b) portability
c) reducing repetition
d) readability

Answer: (c) reducing repetition

Q24. Who Invented Linux Operating System
a. Paul Allen
b. Linus Torvalds
c. Donald Becker
d. Donald Trump

Answer: (b) Linus Torvalds

Q25. The time period of sprint we generally use in Agile methodology is _____
        a.   12 days
        b.   1 week
        c.   4 weeks
        d.   2 weeks

Answer : (d) 2 weeks

Q26. STLC stands for _____?

Answer: Software Testing Life Cycle

Q27. Which sdlc model does not accommodate any changes ?
        a. Waterfall
        b. Agile

Answer : (a) Waterfall

Q28. Agile methods seem to work best when team members have a relatively high skill level.
        a) True
        b) False

Answer : (a) True

Q29. Which of the following languages is faster in execution?
        a) Java
        b) Scala

Answer : (b) Scala

Q30. Which of the following is a tool used for automation testing?
        a) Git
        b) Selenium
        c) Eclipse
        d) Both b and c

Answer : (b) Scala

Q31. Which of the following does not apply to agility to a software process?
          a. Uses incremental product delivery strategy
          b. Only essential work products are produced
          c. Eliminate the use of project planning and testing
          d. All of the mentioned

Answer : (c) Eliminate the use of project planning and testing

Q32. Improving the design of existing code without changing its observable behaviour is called _____?

Answer : Refactoring

Q33. Which is immutable here:
          a.) int
          b.) char
          c.) Boolean
          d.) double

Answer: (c) Boolean

Q34. What is the preferred naming for variable in java
          a) myvariable
          b) myVariable
          c) MyVariable
          d) MYVARIABLE

Answer: (b) myVariable