**SDM Sample Questions**

1. What is the basic operational unit of kubernetes?
2. Task
3. Nodes
4. Pod
5. Container
6. Principle 1,8,9,10 of the agile manifesto describe prioritizing high value work. What is a common way that agile teams prioritize their work?
7. They create a ranked list of what the customer finds valuable
8. They create detailed project requirements
9. They meet with the customer to plan everything in the product before they start working.
10. They prioritize the work that would be easiest to develop.
11. The ability to scale in microservises architecture comes from the fact \_\_\_\_\_\_\_\_\_\_\_\_\_
12. CI/CD pipelines allow for scaling
13. There are more CPU and memory footprints in cloud providers
14. RESTful calls are always used.
15. Artifacts are single purpose and separated.
16. DevOps is an extension of \_\_\_\_\_\_\_\_\_
17. QA
18. Agile
19. Waterfall
20. None of the above
21. Which of the following Agile methodology advocates the use of problem domain?
22. Evo
23. Scrum
24. Extreme Programming(XP)
25. Feature driven development(FDD)
26. \_\_\_\_\_\_\_\_\_\_\_\_provides complete isolation from the host operating system and the other virtual Machines(VMs),so it is fully secure.
27. Virtualization
28. Containerization
29. Security
30. Cloud
31. Which one of the following is delivered at the end of the Sprint?
32. A document containing test cases fir the current sprint
33. An architectural design of the solution
34. Wireframes designs for User Interface
35. An increment of done software
36. Which of the following AWS services enables users to launch VM instances?
37. AWS EC2
38. AWS S3
39. AWS Lambda
40. AWS EBS
41. Which feature of OOP’s helps in code reusability?
42. Class
43. Abstraction
44. Inheritance
45. Object
46. Which of the following languages is supported by Selenium WebDriver?
47. Perl
48. C
49. Asp
50. C++
51. What is true of Protocol Aware Heterogeneous Interoperability for microservices?
52. Systems call other systems to do work
53. All communications within the service boundaries are solved via ReST.
54. All communication use any technology they want
55. There is polyglot development everywhere
56. Which of the following is the git command to download all the objects and references from a specific repository?
57. git log –n
58. git fetch
59. git help
60. git config –list
61. Some of the Agile frameworks are\_\_\_\_\_\_\_\_\_\_
62. Scrum and Canban
63. Test given development
64. Feature given development
65. Dynamic System development method
66. Which of the following Docker command is used to access the running container
67. docker run
68. docker exec
69. docker build
70. docker pull
71. Which of the following command create an empty get repository or reinitialize an existing one?
72. git create
73. git init
74. git initialize
75. git launch
76. Which of the following is not a goal of the WebDriver API?
77. Emulate actions of users
78. Provide record and playback of test steps
79. Maintain a standardized API
80. Help developers and testers quickly and easily write automated tests
81. Which of the following statements is true for and API gateway?
82. API gateway is not the single entry point into a system
83. API gateway is not responsible for request routing
84. API gateway is a server
85. API gateway is not responsible for load balancing
86. Under which type of thinking strategy does Brainstorming fall?
87. Decision thinking
88. Analytic thinking
89. Compassionate thinking
90. Creative thinking
91. In WebDriver \_\_\_\_\_\_\_\_\_command can be used to enter values onto text boxex?
92. selenium.type()
93. type()
94. sendKeys(“text”)
95. driver.type(“text”)
96. Which of the following type of virtualization is also characteristics of cloud computing
97. Storage
98. Application
99. CPU
100. All of the above
101. For project management, Jira is used for\_\_\_\_\_\_\_\_\_\_\_
102. Segmenting, executing, accounting and reporting
103. Planning, tracking, reporting and releasing
104. Brainstorming, exploring, planning and executing
105. Motivating, grouping, analyzing and plotting
106. At the core of a good regression test, we are making certain that\_\_\_\_\_\_\_\_
107. No bugs exist
108. All bugs are fixed
109. Nothing new has broken
110. New bugs are identified
111. What is the practice of every change going through full automated testing and being deployed automatically to the production environment?
112. Continuous integration
113. Continuous delivery
114. Continuous denigration
115. Continuous deployment
116. What is the ideal sprint length in an Agile Development Model?
117. 2-4 weeks
118. 1 week
119. 3-5 weeks
120. 3-weeks
121. What is unique about Docker swarm?
122. Docker swarm uses a MCP or Master Control program to orchestrate system access
123. Docker swarm is much more decentralized than the other container platforms
124. Docker swarm is more centralized than the other platforms
125. Docker swarm can run both VMs and containers
126. Match the following types of Testing with their appropriate description:

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Black Box testing | A | Also known as structural testing |
| 2 | White box testing | B | Also known as Translucent Testing |
| 3 | Grey box testing | C | Also known as functional testing |

1. 1-C,2-A,3-B
2. 1-B,2-C,3-A
3. 1-A,2-B,3-C
4. 1-B,2-A,3-C
5. Which of the following architectural layer is used as front end in cloud computing?
6. Cloud
7. Client
8. Middle layer
9. Soft
10. What is the need for DevOps?
11. Decrease deployment frequency
12. Lower success rate of new releases
13. Longer deployment cycle
14. Enhanced version control
15. Which is true about Kubernetes?
16. Integrated Kubernetes solutions are available from most major cloud providers
17. Kubernetes is best suited to test environments and is not mature enough for production use
18. Kubernetes is one of the newest orchestration platform
19. It can only run kubernetes containers
20. Which of the following activities is NOT fundamental to software engineering?
21. Software standardization
22. Software specification
23. Software validation
24. Software evolution
25. \_\_\_\_\_\_\_is responsible for full software development life cycle while \_\_\_\_\_\_\_\_\_\_\_is responsible for software testing life cycle.
26. Quality Assurance, Quality control
27. Quality control, Quality Assurance
28. Quality assertion, Quality Control
29. Quality Control, Quality Assertion
30. Which command is used to push the code into git staging area?
31. Git pull
32. Git add
33. Git push
34. Git commit
35. Which of the following is not a version control system tool?
36. Git
37. Mercurial
38. Jenkins
39. AWS code Commit
40. In YAML ,explicit tags are denoted using symbol?
41. Exclamation point(!)
42. Pipe character(|)
43. Greater than symbol(>)
44. Question mark(?)
45. Which one of the following technique is applied for usability testing?
46. White Box
47. Black Box
48. Gery Box
49. All of the above
50. In Jenkins , a\_\_\_\_\_\_\_\_\_\_\_\_\_is used to display record of multiple builds.
51. Weather icon
52. Coloured icon
53. Coloured square
54. Coloured ball and Weather icon
55. Which of the following is NOT a property of the Waterfall model?
56. Software development cascades from one phase to another
57. It is a plan driven process
58. Software development is incremental in nature
59. Iterations can be costly and involve significant rework.
60. What comprises an Infrastructure as Service(IaaS) model?
61. Third-party improvements with software and hardware, which are difficult to offer when hosted internally.
62. Increased speed and virtualization for an organization
63. Third-party provider that hosts, services and maintains all aspects of the system on behalf of the end user
64. Increased help on logic and coding issues for an organization’s proprietary system.
65. Which of the following views cannot be captured using UML diagram?
66. Layer View
67. User view
68. Structural view
69. All of the above
70. White box techniques are also classified as \_\_\_\_\_\_\_\_\_\_\_
71. Design Based testing
72. Structural Testing
73. Error Guessing Testing
74. None of the above