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IBM C5050-300

Foundations of IBM DevOps V1

Exam D

QUESTION 1

A utility company wants to transform to a DevOps and agile organization that can deliver multiple changes to their applications in production every day.

Currently, they follow a waterfall development approach. They are organized into business, development and operations silos. They typically code using Java and COBOL and their test and staging environments are manually provisioned. They have to wait many days for test environments to be available and root cause analysis is rarely performed. Changes are often rolled back due to defects found in production and there is no way for users to provide feedback.

Which problem should be addressed first?

- A. Align the stakeholders around common goals, KPIs and shared objectives.
- B. Re-educate the developers to code in modern languages like Node / Ruby / Python.
- C. Perform mandatory root-cause-analysis on all defects.
- D. Setup a webpage where users can log defects and improvement requests.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Which volume of the Information Technology Infrastructure Library (ITIL) should be an integral part of every stage of the ITIL service management framework?

- A. ITIL Service Design
- B. ITIL Service Operations
- C. ITIL Continual Service Improvement
- D. ITIL Service Strategy

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.bmc.com/guides/itil-continual-service-improvement.html>

QUESTION 3

After executing assessments and workshops, it has been determined that 80% of developments time is related to waiting for responses from various departments.

What should the organization do to fix these bottlenecks?

- A. Create a global enablement plan. Once each professional has more expertise they will be able to do their job faster and improve the overall productivity.
- B. Automate the development and operation process with continuous delivery tools.
- C. Create highly specialized SWAT teams for requirements management, testing and deployment.
- D. Change to a dedicated cells approach, with self-sufficient teams composed of several skills.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

Which statement describes a security consideration introduced by adopting DevOps principles?

- A. Adopting DevOps creates an environment that is inherently more secure because developers use cloud native development tools for their development.
- B. It is the most efficient way to test the security of the application in production since pre-production environments will lack the necessary components to accurately validate the security posture.
- C. Adoption of DevOps practices introduces complications for implementing and auditing standardized security controls, presenting issues such as constantly changing assets and continuous deployment.
- D. By design, DevOps combines the role of developer and operator of an application removing the need for separation of duties which reduces the level of risk introduced in the environment.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.sans.org/reading-room/whitepapers/critical/continuous-security-implementing-critical-controls-devops-environment-36552> (page 2)

QUESTION 5

According to the IBM DevOps Reference Architecture, in which phase is artifact management a capability?

- A. Package
- B. Deliver
- C. Code
- D. Manage

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.slideshare.net/Urbanocode/digital-disruption-with-devops-reference-architecture-overview>

QUESTION 6

A developer works in a cloud environment with IBM Bluemix and needs to deploy new versions of code to production without any downtime in their application access. Which IBM offering would provide the required functionality?

- A. IBM Cloud Orchestrator
- B. IBM Active Deploy
- C. IBM Bluemix DevOps Services
- D. IBM DevOps Insights

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.ibm.com/developerworks/cloud/library/cl-bluemix-rollingpipeline/index.html>

QUESTION 7

Which IBM Bluemix Garage Method phase is supported by IBM Tealeaf CX usage?

- A. Culture
- B. Learn
- C. Think
- D. Manage

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Which statement is an IT driver for adoption DevOps?

- A. To ensure all development activities are properly charged internally by ensuring cost-recovery association throughout the development lifecycle.
- B. To standardize all applications to a single development platform across an organization by porting legacy application to a cloud native environment.
- C. To accelerate and remove error from the delivery of changes by introducing automation throughout the development cycle.
- D. To ensure all cloud native applications include usage and metering capabilities for enhanced billing.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

Which statement best describes IBM Runbook Automation?

- A. It is used to expose standard runbook templates for use by lines of business (LOBs) outside traditional IT staff. These runbook templates are easily customizable using Python, JSON, and XML.
- B. It is used to build and execute runbooks that can help IT staff to solve common operational problems. It can automate procedures that do not require human interaction, thereby increasing the efficiency of IT operations processes.
- C. It is used to build and execute runbooks that can help marketing staff understand customer usage patterns. It can automate procedures to auto-respond to customer inquiries, thereby increasing the efficiency of support processes.
- D. It is used to discover existing IT processes and script usage. Once discovered, it can transform existing scripts into a standard automation language.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://console.bluemix.net/catalog/services/ibm-runbook-automation?env_id=ibm:yp:eu-gb

QUESTION 10

What action does the IBM Bluemix Garage Method Learn phase recommend to continuously experiment?

- A. hold playbacks
- B. run A/B tests
- C. automate unit tests

D. leverage IBM Design Thinking

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.ibm.com/devops/method/content/learn/practice_hypothesis_driven_development/

QUESTION 11

As organizations mature their DevOps adoption, they must seek to embrace a culture which does what?

- A. hold stand-ups with the entire development organization
- B. encourages collaboration
- C. encourages segregation of duties
- D. keeps test results confidential

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.devopsguys.com/2013/03/13/continuous-delivery-adoption-barriers/>

QUESTION 12

What does IBM mean by an evolutionary DevOps transformation?

- A. DevOps solutions are primarily targeted at addressing the needs of cloud-native teams.
- B. Cloud ready teams adopt cloud-native practices, resulting in a multi-speed IT environment.
- C. A set of identified innovation teams are going through a disruptive transformation, with a complete new set of processes/practices and a new DevOps toolchain.
- D. Companies optimize time to market and introduce cultural change.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: http://www.academia.edu/27943447/DevOps_for_hybrid_cloud_an_IBM_point_of_view

QUESTION 13

What is a business benefit of continuous deployment?

- A. reduced time to market
- B. increased collaboration between business, IT and operations
- C. deployment automation
- D. reduced need for compliance

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

A DevOps approach uses continuous deployment, the capability to move code into production in an efficient, automated way. Continuous deployment implies a level of automation to facilitate the efficiency.

Reference https://www.ibm.com/developerworks/bpm/library/techarticles/1501_tarne/1501_tarne.html

QUESTION 14

Which concept in the Spotify Model is used to identify a collections of Squads within the same business area?

- A. Chapter
- B. Legion
- C. Tribe
- D. Guild

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference <http://www.full-stackagile.com/2016/02/14/team-organisation-squads-chapters-tribes-and-guilds/>

QUESTION 15

Which statement describes the benefits of implementing continuous delivery?

- A. Continuous delivery helps to reduce costs, improve customer satisfaction and enhanced usability.
- B. Continuous delivery improves faster time to market, increased usability of systems, and improved customer satisfaction.
- C. With continuous delivery a better product can be delivered with higher quality at a lower cost.

D. Implementing continuous delivery helps to seize new markets, establishes operational teams and reduce operational complexity.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

A large established bank is using Agile in some projects and areas. Now they want to scale Agile and DevOps to the entire organization (2000 developers). Which development approach should they use to scale DevOps and Agile?

- A. Spiral Development Model
- B. Incremental Scaled Model
- C. V-Model
- D. SAFe

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: https://insights.sei.cmu.edu/sei_blog/2017/02/five-perspectives-on-scaling-agile.html

QUESTION 17

Which statement best describes DevOps?

- A. DevOps is an approach that promotes closer collaboration between lines of business, development and IT operations. It is an enterprise capability that enables the continuous delivery, continuous deployment and continuous monitoring of applications.
- B. DevOps is an approach that promotes siloed operations, clearly delineating scope of responsibilities between development and operations teams. It is an enterprise capability that ensures development middleware is physically isolated from operational software.
- C. DevOps is an approach to IT operations which embeds development tools in the PaaS stack during cloud provisioning. It is an enterprise capability that enables automated provisioning for databases, application servers, and development tooling.
- D. DevOps is a set of tooling that development teams use to ensure operational capabilities inclusive of usage and metering are built into cloud-native applications. It is an enterprise capability that enables continuous billing, continuous availability, and continuous metering of applications.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.ibm.com/cloud-computing/au-en/learn-more/what-is-devops/>

QUESTION 18

What are three sub-components of incident management? (Choose three.)

- A. event correlation
- B. dashboards
- C. orchestration
- D. strategy
- E. root cause analysis
- F. notification

Correct Answer: ABF

Section: (none)

Explanation

Explanation/Reference:

Reference <https://www.ibm.com/devops/method/content/architecture/serviceManagementArchitecture/>

QUESTION 19

Why are open standards important when adopting DevOps?

- A. They allow companies to remove all commercial-off-the-shelf (COTS) software across the enterprise.
- B. They allow companies to develop all their applications for free.
- C. They support the goals of interoperability, reduced risk, and flexibility in IT service development.
- D. They support the goals of reduced security exposures, ensures regulatory compliance, and provides standards every vendor supports.

Correct Answer: C

Section: (none)

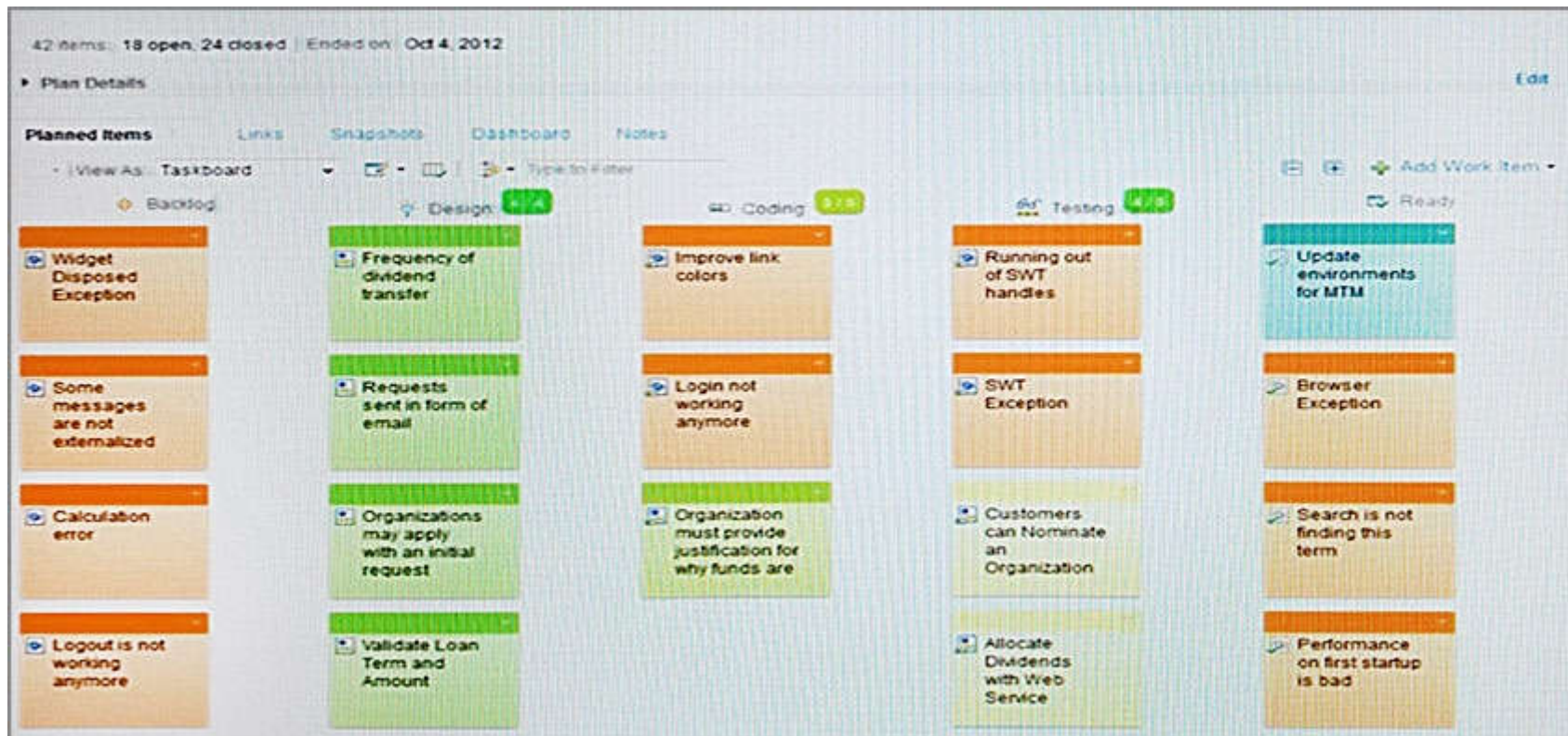
Explanation

Explanation/Reference:

Reference: http://www-03.ibm.com/certify/content/studyguides/study_guide_c5050-300.pdf (Page 69)

QUESTION 20

Which DevOps method does the diagram below represent?



- A. Showcase
- B. Planning Poker
- C. Burn-Down and Burn-Up charts
- D. Kanban

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Which IBM DevOps product is a customizable continuous integration server optimized for the enterprise?

- A. IBM UrbanCode Build
- B. IBM Runbook Automation
- C. IBM Active Deploy
- D. IBM UrbanCode Deploy

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www-03.ibm.com/software/products/fi/ucbuild>

QUESTION 22

What is an organizational transformation principle prescribed by the Culture phase of the IBM Bluemix Garage Method?

- A. program in pairs
- B. hold playbacks
- C. build diverse teams
- D. IBM Design Thinking

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.ibm.com/devops/method/category/culture>

QUESTION 23

When long lived source control management (SCM) branches are merged, significant amounts of network can be required to resolve code conflicts. Which DevOps practice addresses this problem?

- A. continuous integration
- B. test-driven development
- C. A/B testing
- D. continuous deployment

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

Which two statements are true regarding DevOps value stream mapping to identify bottlenecks that need to be addressed in a DevOps adoption roadmap? (Choose two.)

- A. A DevOps toolchain has been identified and agreed upon.
- B. Organization maturity level regarding DevOps is realized.
- C. Improvement are prioritized.
- D. Release and iteration planning are organized.
- E. Business and IT goals are identified.

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

What are two reasons for using the IBM DevOps reference architecture when building a new DevOps solution? (Choose two.)

- A. Building a solution comprising exclusively of IBM solutions.
- B. To exploit detailed product configurations.
- C. Ensure all components of the architecture are considered.
- D. To adopt cultural practices for overcoming adoption barriers.
- E. Reducing the risk by using a known and proven pattern.

Correct Answer: DE

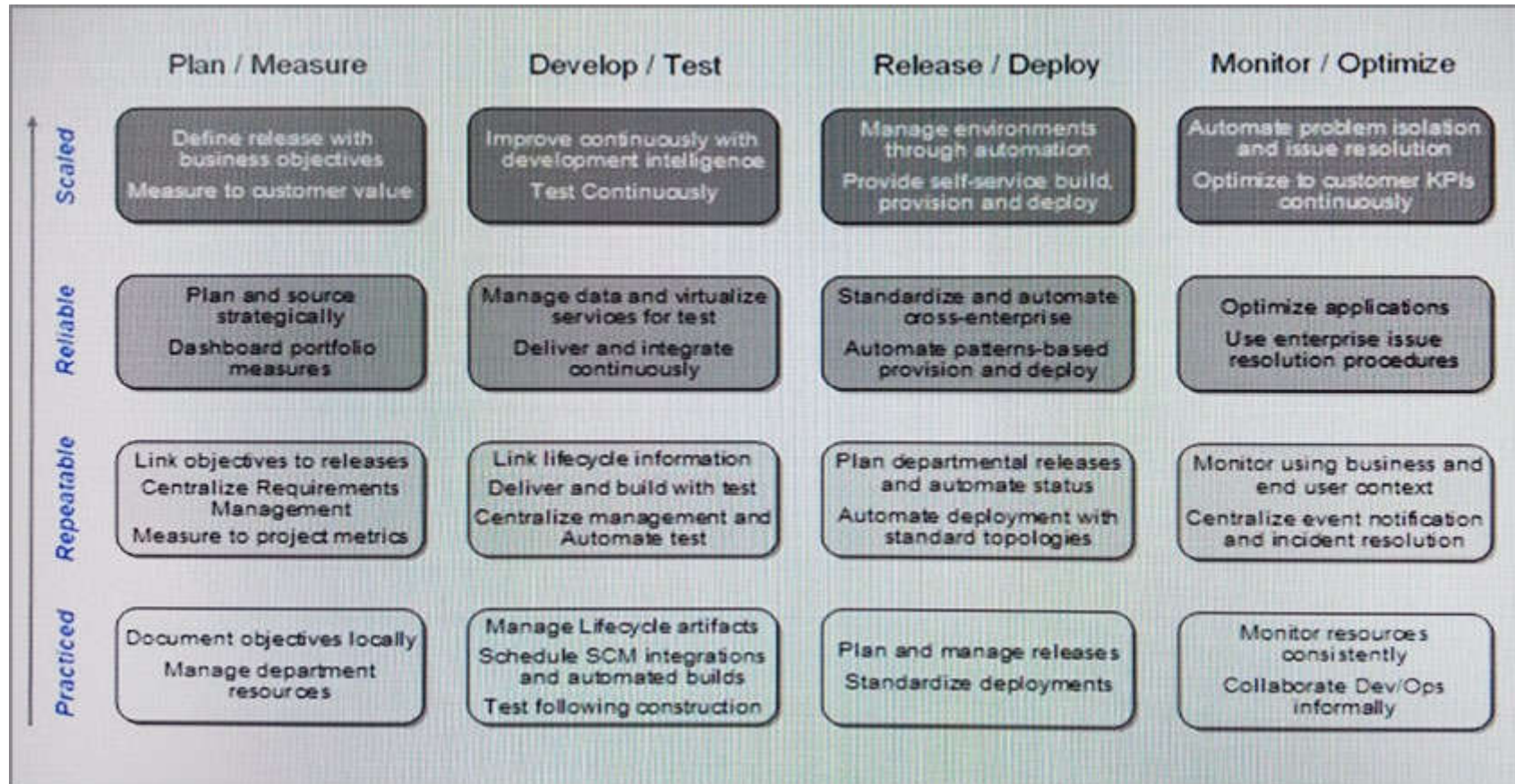
Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

A DevOps engineer started to work with a telco company on an DevOps roadmap. Which method is used to identify DevOps bottlenecks and is represented by the diagram below?



- A. DevOps Phased Model
- B. DevOps Improvement Areas Roadmap
- C. DevOps Value Stream Mapping
- D. DevOps Maturity Model

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference https://resources.sei.cmu.edu/asset_files/Presentation/2014_017_101_90315.pdf

QUESTION 27

Which two offerings are used in continuous deployment and full-stack provisioning of an IT environment?

- A. Graphite
- B. Chef
- C. Gradle
- D. Puppet
- E. Buildr

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

In the 12 Factor App approach, what is everything that is likely to vary between deployments (staging, production, developer environments, etc.) known as?

- A. Concurrency
- B. Processes
- C. Logs
- D. Config

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://12factor.net/config>

QUESTION 29

What is the main benefit of having an automated build engine in a multi-speed IT scenario?

- A. Ensures that when a library is changed dependency issues are identified.
- B. Saves operations from testing a new build before it goes into production.
- C. Ensures dependent systems are advised that a change has been made.
- D. Ensures that operations are aware of new deployment.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

A team of developers is conducting their daily scrum meeting to review the backlog and coordinate the discussion of newly recorded defects and feedback from the application users. Which IBM solution would help them achieve this task?

- A. IBM UrbanCode Deploy
- B. IBM Connections
- C. IBM UrbanCode Collaborate
- D. IBM Rational DOORS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

Which statement best describes IBM Bluemix Availability Monitoring?

- A. It helps DevOps teams ensure the availability of IT resources by tracking usage against quotas in a multi-tenant environment.
- B. It helps DevOps teams ensure their applications are available and meeting user expectations for response time as they roll out continuous updates.
- C. It helps DevOps teams ensure the availability of the development and operations staff through a collaborative scheduling control center.
- D. It helps DevOps teams ensure the availability of their development infrastructure through inclusion of agents for most open source and commercial off the shelf (COTS) development tools.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://console.bluemix.net/catalog/services/availability-monitoring>

QUESTION 32

What is a Docker file?

- A. a read only file system with parameters that is referenced at runtime
- B. a document containing required commands to build Docker images
- C. a document that only contains Docker attributes and definitions
- D. a self-contained running instance built from one or more Docker images

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference <https://www.ibm.com/blogs/bluemix/2015/06/ibm-containers-a-bluemix-runtime-leveraging-docker-technology/>

QUESTION 33

A company is creating a complex application with several Innovation Edge teams (using continuous delivery) and three Industrialized Core teams operating in an agile manner but with longer release cycles. They recognize that their delivery model has multi-speed characteristics.

What is the main benefit of automated release for multi-speed IT environments?

- A. It relieves release managers from the burden of using project plans.
- B. It reduces the effort to manage the release of multiple interdependent applications.
- C. It reduces reliance on manual processes including scripting.
- D. It reduces compilation, build, and build verification test times.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

Why would a DevOps team use Logstash?

- A. In order to consume data from a multitude of sources simultaneously, parse it and transform it to converge onto a common format.
- B. To provide a distributed, RESTful search and analytics engine with the ability to perform structured and unstructured searches.
- C. For gathering data from hundreds and thousands of machines for analytics.
- D. To shape the collected data and provide interactive visualizations.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.elastic.co/products/logstash>

QUESTION 35

Which activity results is the most expensive way to find and fix defects?

- A. production defect detection
- B. developer testing
- C. independent integration testing
- D. independent function testing

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

Software Defined Environments (SDE) display a number of different characteristics from traditional IT. What are two characteristics of a SDE? (Choose two.)

- A. managed by advanced programmed automation
- B. uses virtualization to manage IT
- C. leverages server, storage, and network silos
- D. managing virtual resources as you manage hardware

E. managed with extensive manual process

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.linkedin.com/pulse/20141203002028-732377-what-is-a-sde-software-defined-environment>

QUESTION 37

What are two key metrics for cloud native applications? (Choose two.)

- A. performance
- B. stability
- C. mean time between failures (MTBF)
- D. first failure data capture (FFDC)
- E. speed of change

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

Reference: http://www-03.ibm.com/certify/content/studyguides/study_guide_c5050-300.pdf (page 55)

QUESTION 38

A client is implementing a composite application suite comprising of front end cloud-native web and mobile applications accessing system of record applications on the mainframe. Which IBM solution will help them create a layer of abstraction between the cloud native applications and the mainframe components?

- A. IBM UrbanCode Release
- B. IBM z/OS Connect
- C. IBM UrbanCode Deploy
- D. IBM DataLayer

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

What are three characteristics of cloud ready applications? (Choose three.)

- A. stateful and highly inter-dependent
- B. operationally automated and independent
- C. designed for agility
- D. stateless and self-contained
- E. monolithic structures
- F. designed for resilience

Correct Answer: CDF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Which DevOps principle describes code flowing through a consistent, automated sequence of stages where each stage tests the code from a different perspective?

- A. agile development
- B. automated build process
- C. continuous integration
- D. delivery pipeline

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.ibm.com/devops/method/content/toolchains/toolchain_simple_container/2_3

QUESTION 41

Which actions would an organization take to apply the Lean principle of 'optimizing the whole'?

- A. Focus on making the most efficient silo and exemplar for the rest of the organization.
- B. Identify bottlenecks across the organizational value stream.

- C. Break down the entire system into silos and optimize them separately.
- D. Focus improving the most inefficient silo.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

Which DevOps principle describes an approach to system and application design that protects users against downtime and ensures that users remain connected to their documents, data files and business applications?

- A. continuous availability
- B. always on deployment
- C. microservice architecture
- D. high availability

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.revolvy.com/main/index.php?s=Continuous%20availability>

QUESTION 43

What IBM Bluemix DevOps service is a cloud hosted version of IBM Rational Team Concert to help create user stories, track project work using dashboards, and plan sprints and releases?

- A. Natural Language Understanding
- B. Access Trail
- C. Tradeoff Analytics
- D. Track & Plan

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://hub.jazz.net/tutorials/trackplan/>

QUESTION 44

How does adopting DevOps help improve insight into the real value of applications?

- A. by using mean time between failure (MTBF) metrics
- B. by using customer feedback
- C. by using usage statistics for cloud native applications
- D. by using analytical analysis for return on investment (ROI) calculations

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

Which statement best describes the functionality and usage of IBM UrbanCode Release?

- A. Design, code and build of release candidates for multiple application.
- B. Plan, create, configure and execute automated deployments of application components.
- C. Plan, execute and track multiple application deployments.
- D. Manage, store and maintain application releases of UrbanCode deploy applications.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://developer.ibm.com/urancode/products/urancode-release/>

QUESTION 46

The microservices architectural style can be seen as an evolution of the SOA (Services Oriented Architecture) architectural style. With microservices, an application is broken into smaller, completely independent components. Therefore, the client will have greater agility, scalability, and availability.

Which additional capabilities are required to elevate from a SOA to a microservices architecture?

- A. Microservices required a well-defined monitoring capability to have end-to-end visibility of the communication between microservices with monolithic applications.
- B. Microservices require extensive multi-tenancy, usage, and billing capabilities.
- C. Microservices require a centralized database, code repository, and continuous integration.
- D. Microservices require a mature delivery capability, with continuous integration, deployment, and test.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

What is a key requirement for continuous delivery (CD)?

- A. CD requires monitoring code changes in a source code management tool.
- B. CD requires that a tight integration between a code repository and continuous integration solution exists.
- C. CD requires that code changes constantly flow from development to production through all stages.
- D. CD requires a cloud environment for testing the automated deployment.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.ibm.com/devops/method/content/deliver/practice_delivery_pipeline/

QUESTION 48

In which process of service management does one devise counter measures to prevent the incident from happening again?

- A. incident management
- B. problem management
- C. change management
- D. response management

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

Which two activities are part of collaborative development practices? (Choose two.)

- A. contingency planning
- B. business planning
- C. continuous monitoring
- D. enable ongoing testing and verification of code
- E. software configuration management

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

Which IBM Bluemix service rapidly translates and releases cloud and mobile applications to organization's global locations?

- A. Delivery Pipeline
- B. Active Deploy
- C. Globalization Pipeline
- D. Globalization Delivery

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://console.bluemix.net/catalog/services/globalization-pipeline/>

QUESTION 51

If a client was referring to developing cloud native applications, what are two likely characteristics of the application? (Choose two.)

- A. stateful
- B. monolithic
- C. microservices
- D. tightly coupled
- E. stateless

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

The CIO for a large telco makes the following statement:

“Our developers and operators need to view, search, and export API access logs for IBM cloud runtime and services in order to consider security improvements and comply with regulatory audit requirements.”

Which IBM solution is applicable?

- A. IBM Single Sign-On
- B. IBM Application Security on Cloud
- C. IBM Access Trail
- D. IBM Key Protect

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

An organization is adopting a DevOps toolchain. What are three recommendations that should be given around the toolchain design process?

- A. Design a toolchain to streamline activities by combining, orchestrating or removing them.
- B. Design a toolchain that applies to all DevOps projects.
- C. Design a toolchain to help identify tool integrations and handoffs.

- D. Design a toolchain as a foundational starting point to make tool choice and usage decisions.
- E. Design a toolchain with an end objective of using it as a cookbook or practitioner guide.
- F. Design a toolchain that forces cloud ready applications to adopt cloud native tooling.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.slideshare.net/xebialabs/a-blueprint-for-a-successful-devops-metamorphosis> (Page 12)

QUESTION 54

A company wants a hosted cloud environment to run workloads with the benefits of resource isolation and allocation, but that are more portable and efficient than virtual machines. What IBM cloud solution should they use?

- A. IBM Bluemix Private Cloud
- B. IBM Bluemix Container Service
- C. IBM Bare Metal Servers
- D. IBM Cloud for VMware Solutions

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://books.google.com.pk/books?id=uAaQDQAAQBAJ&pg=PA13&lpg=PA13&dq=ibm+hosted+cloud+environment+to+run+workloads+with+the+benefits+of+resource+isolation+and+allocation,+but+that+are+more+portable+and+efficient+than+virtual+machines&source=bl&ots=oxIZ2tCa0Z&sig=6cpGESJUcTsmUVdnBb62MfBJQhE&hl=en&sa=X&redir_esc=y#v=onepage&q=ibm%20hosted%20cloud%20environment%20to%20run%20workloads%20with%20the%20benefits%20of%20resource%20isolation%20and%20allocation%2C%20but%20that%20are%20more%20portable%20and%20efficient%20than%20virtual%20machines&f=false

QUESTION 55

Architectural decisions describe a concrete, architecturally significant design issue for which several potential solutions exist, and that may fundamentally impact the entire solution if changed at a later date. Which is an architecturally significant decision that needs to be taken early in the adoption of a DevOps solution?

- A. The number of releases planned for the payload/application.
- B. The security requirement of the payload/application.
- C. The type of payload/application being constructed.
- D. The number of end users for the payload/application.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

What is the method for managing knowledge work with an emphasis on just-in-time delivery while not overloading the team members?

- A. Scrum
- B. Kanban
- C. Kaizen
- D. Waterfall

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.disciplinedagiledelivery.com/category/rup/>

QUESTION 57

What does the 'Infrastructure as Code' DevOps practice mean?

- A. The task of tracking and controlling changes in the code. This practice includes revision control and the establishment of baselines.
- B. To leverage code to automate the configuration of the infrastructure for creating environments and managing deployments.
- C. The automated scripts that support automated build and deployment while satisfying the restriction criteria.
- D. Consists of having two production instances in a dedicated infrastructure but only one is live at any point in time.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

Which type of tests are designed to verify that security features such as authentication and logout work as expected?

- A. build verification
- B. network vulnerability
- C. functional security
- D. synthetic user

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

How does Design Thinking benefit DevOps?

- A. It helps DevOps teams get aligned, stay aligned, and stay in touch with user requirements.
- B. It helps development teams create empathy for operations teams which results in higher customer satisfaction and better code quality.
- C. It helps DevOps teams find the features that have a delightful user interface (UI), and therefore, can be delivered in the earliest minimum viable product (MVP).
- D. It helps developers obtaining requirements from product managers faster, so that they can start development earlier, and deliver results sooner.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

Which DevOps principle describes integrating the operations functions as part of the overall DevOps team?

- A. shift left ops
- B. NoOps
- C. integrated ops
- D. continuous operations

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: http://www-03.ibm.com/certify/content/studyguides/study_guide_c5050-300.pdf

QUESTION 61

A retail company implemented several DevOps practices to improve time to market and to increase customer satisfaction. They realized several benefits like delivery time, quality of services and small release cycles. Even doing all those improvements, their customers are still very unsatisfied with their website.

Which DevOps practice should they focus on to understand the reasons the customers are not satisfied and to improve customer satisfaction?

- A. shift left requirements
- B. requirements management
- C. feedback management
- D. continuous feedback

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference: