**1. Which of the following statements are true?**

**I. Unit testing is executed by developer**

**II. In Unit testing individual functions or procedures are tested**

**III. It is kind of white box testing**

**a. I,II, III** ---------------Ans  (crct)

b. Both I and II

c. Only I

d. Only II

**2. public final class Constraints**

**{**

**Public Static final String   DEFAULT\_ROLE="EMPLOYEE",**

**}**

**What does the above statement indicate?**

a. None of the Listed

b. EMPLOYEE role information set in the field

c. syntax errors

**d. creating the constraints file to make use of the defined constraints in other class**---------ANS

e. DEFAULT\_ROLE set to EMPLOYEE field

**3. Which of the following is true?**

a. the requirement document describes how the requirements that are listed in the document are implemented efficiently

b. consistency and completeness of functional requirements are always achieved in practice

**c. Prototyping is a method of requirements validation --------------------------**ANS  (crct)

d. requirements review is carried out to find the errors in system design

**4. Providing full time application support through multiple shifts and by operating at different time zones and countries is known as**

a. Follow-the-support model

**b. Follow-the-sun model**---------------ANS

c. Follow-the-moon model

d. none of these

**5. If l0/l1 team is unable to find the resolution in the knowledge database, whom do they contact for further troubleshooting?**

        a. L3 support

        b. L4 support

        c. none of these

**d. L2 support**---------------ANS

**6. Which of the following are the best practices?**

**I. Move all the hardcoded values to the constant file.**

**II. Have log file to log all the activities.**

**III. Better to catch general exceptions than specific exceptions.**

a. All of the listed options

b. Only III

**c. Only I and II**----------------------------------------------------ANS

d. Only II and III

**7. \_\_\_\_\_\_ is the process of applying as much creativity as possible and validating the application against invalid data.**

a.White box Testing

b. Sanity Testing

**c. Negative Testing**------------------------------ANS

d. Regression Testing

**8. The detailed study of existing system is referred to as:**

a. System Planning

**b. System Analysis** ------------------------------ANS

c. Feasibility Study

d. Design DFD

**9. Through Shift Left Methodology, the knowledge flows from\_\_\_\_\_\_\_\_\_.**

**a.L4,L3,L2toL1**----------------------ans

b.L1,L2,L4toL4

c.L1.L2,L4toL3

d.L1,L3,L4toL2

**10. Which key constraint can accept null value**

a.Check

**b.Unique key** ---------------------------------ANS

c.Primary key

d.Foreign key

**11. If an urgent RFC is raised , which board needs to take an immediate action?**

**a.ECAB(Emergency Change Advisory Board**)------------------------------------------ANS

b.ECAB(Exclusive Change Advisory Board)

c.None of the listed options

d.CAB(Change Advisory Board))

**12. The ability to resolve known incidents in known error resolution services in --- downtime to the business, which in turn means ----- availability of the service?**

**a.Lower, higher**----------------------------------------------------------------------------ANS

b.Lower,Lower

c.higher,higher

d.higher,Lower

**13. Which key attributes of incidents handling, refers to the time when the solution to the problem was found and the work started?**

A. Status Time

B. Response Time

c. Resolution time

**D. Restoration Time**---------------------ANS

**14. L2 support team provides ----- for solving basic technical problems**

a. Output to L3 support team

b. Output to L0/L1 support team

**c. Input to L0/L1 support team**--------------------ANS

d. Input to L3 support team

**15. Benchmarking is the process of comparing one business process and performance metrics**

**to industry bests or best practices from other industry and setting uop a target level for**

**each of the metrics.**

**true**--------------------------ans

false

**16. What are the advantages of exception handling**

a.None of the listed options.

b.**In Exception handling,generic Exception object can be extended to any specific type of exception**--ANS

**c. Exception handling maintains the normal flow of the application**-------------ANS

**d. With the exception handling mechanism, the developer can write their code much "cleaner" and have exception automatically handled**-----------ans

**e.With the exception handling mechanism, when an exception occurs, the execution of the program is transferred to an appropriate exception handler and terminate the program**----------ANS

**17.Which of the following is the incident status correct order?**

a. None of the listed options

**b. New, Active,Resolved,Closed**-------------ans

c. Active,New,resolved,Closed

d. New,Resolved,Active,Closed

**18. design document is  developers**

**a. blueprint**-------------------------------------------------------------ANS

b.handbook

c.Reference Material

d.Guide

**19. Application Consolidation services focuses on consolidating multiple application which are\_\_\_\_\_\_\_\_\_\_\_\_\_\_in nature to cohesive IT application landscape**

**a.dissimilar**-------------ans

b.similar

c.unrelated

d.disconnected

**20 .Which SERVICE HAS THE PRIMARY OBJECTIVE as to prevent problems before happening to production environment?**

a.Continous Build & Release

**b.Application Strengthening**------------ans

c. Compliance & Regulatory Updates

d.Release Planning

**21.Which process grants authorised users the right to use a service**

**a.access management**------------------------------------------------ANS

b.Event management

c. Problem Management

d.Incident management

**22.which statement can enclose a continue statement**

**a.while , do , for , or foreach**-------------------------------ANS

b.try,while,do,for,or foreach

c.switch,while,do,for,or foreach

d.while,do,for,or foreach

**23. What is the use of creating an index in the table ?**

a.To increase the performance of the table

**b.All the listed options**--------------------------------------------ANS

c.To order the records in the table

d. To search the records in the table

**24.what is the difference between white box testing and black box testing**

a.White box testing is testing on the QA environment and Black box testing is testing on the UAT environment

b. All the listed options

c.**White box testing requires the knowledge of the structure of the code and black box testing is done to test the business requirement at a high level**-----------ans

d.Whitebox testing is done by the testing team and bleck box testing is done only by the developer during development.

**25. Activities in traditional AVM model are broadly classified under**

**I.Application/Production support**

**II.Bug Fix**

**What is the third one?**

**a.Enhancements**-------------------------------ANS

b.Product upgrade

c.Ad hoc Requests

d.Batch Monitoring

**26. The key analysis involved in feasibility analysis is/are**

a.Economic

b.Technical

c.Behavioral

**d.All of the listed options**----------------------------------ANS

**27. Which of the following is NOT an outcome of Best Practices in AVM engagement**

a.Efficient and Effective Operations

b.Improve Reliability

c.Improves Customer Satisfaction

**d.Increased Manitenance and Operating costs**---------------------------------ANS

**28. In which phase of the AVM Lifecycle are the customer's requirements actually fulfilled**

a.None of the listed options

b.Initiation and Planning Phase

**c.Service Phase** --------------------------------------------ANS

d.Knowledge Transition Phase

**29. If an incident is not responded to/resolved within the defined SLA time limits, it is considered as**

**a.SLA Breach**-------------------------------------------ANS

b.SLA Met

c.Penality Clause

d.None of the listed options

**30. ........ activity is a part of support and it is required for any customer business availability/continuity.**

**A-Monitoring**-------------------------------------------------------------ANS

B-online processing

C-analyzing

D-testing

**31. ...... is harder for complex systems in particular, when various subsystems are tightly coupled as changes in one system or interface may cause bug to emerge in another .**

A-compilation

B-testing

**C-debugging**----------------------------------------------------------------------ANS

D-execution

**32. select ename, sal**

**FROM emp**

**WHERE deptno=(SELECT\*FROM dept**

**WHERE lock='NEW YORK');**

**what will be the output of the above example?**

**A-will throw an error**-------------------------------------------------------------------------ANS

B-will give multiple record

C-will display nothing

D-will give single record

**33. What are all the services under Product Engineering Services??**

A-white box testing, black box testing

B-test automation and black box testing

**c-test automation and white box testing**----------------------------------------------------------ANS

D-none of the listed options

**31. In AVM projects, inefficent processes leads to \_\_\_\_\_ productivity and \_\_\_\_\_ support costs.**

A-higher,increased

B-lesser,decreased

**C-lesser,increased**------------------------------------------------------------------------------------ANS

D-higher,decreased

**32. In AVM, Best Practices can be categorized under which of the following?**

**A-All of the listed options**------------------------------------------------------------------------ANS

        B-Transformation

        C-Effectiveness

        D-Innovation

        E-Efficiency

**33. Which support level majorly deals with unknown incidents?**

A-L3 Support

B-L4 Supprt

**C-L2 Support**-------ans

            D-L0/L1 Support

**34.Design documents does not contain details on the infrastructure associated with the system.**

**State true or false.**

**A-True**-------------------------------------------------------------------ANS

B-False

**35. What is the exception that should be raised by the below situation ?**

**{**

**try**

**{**

**result=num1/num2**

**}**

**catch(-----e)**

a-OutOfMemoryException

b-DivisionError

**c-DivideByzeroException**-----------------------------------------------ANS

d-ApplicationError

**36.Service portfolio management ensures we dont waste money with excess capacity.**

**true or false ?**

a.True

**b. false**--------------------------------------------ANS

**37. What are the various purposes of Business requirement document(BRD) ?**

**a- A BRD details the business solution for a project including the documentation of**

**customer needs and expectations**.---------------ans

**b- A BRD is a formal document that provides a contract between supplier and client**..----------ans

c- A BRD contains detailed project plan and design

**d- A BRD effectively defines the scope of the project.**---------------------------------------ANS

**38. Design document details ? select one or more**

**a- How the requiremnts should be implemented**---------------------------------------ANS

b- software to be used

**c- technology to be used in development---------------------------------------ANS**

**d-Architecture design of the system.---------------------------------------ANS**

**39. Which step of SDLC performs cost/benefit analysis ?**

**a- Feasibility study**---------------------------------------ANS

b- Analysis

c- Design

d- none of the above.

**40. In which ITIL service lifecycle phase is the value of services actually realised by a customer ?**

a-Service transition

b-Service operations---------------------------------------ANS

c-Continual Service improvement

            d-Service design

**41. Which service manages the versions of the code base, ensures retrofitting the code and ensures planning,scheduling, and execution of a successful build?**

a) Application Strengthening

**b) Continuous Build & Release**------------------------------------------------------------Ans

c) Release Planning

d) compliance & Regulatory Updates.

**42. Which of the following statement is false?**

a) The process of destroying unreferenced objects is called Garbage Collection

**b) None of the listed options**----------------------------------------------------------------Ans

c) Garbage Collector frees the memory occupied by the unreachable objects during the program execution

d) An object becomes eligible for garbage collection when no live thread can access it

e) Heap part of the memory is involved in Garbage Collection

**43.  Select the validations that are applicable for the text box field.**

    Enter username

    [Submit]

a) Should check if the text box is null

b) Must check the special characters

 c) Should check whether the user has access

d) Should check the number of characters

**e) All of the listed options**.-------------------------------------------------------Ans

**44. \_\_\_\_\_\_ is the only trigger type you can have on any type of view.**

a) Insert trigger

b) Delete trigger

**c) Instead-of trigger**----------------------------------------------------Ans

d) Row trigger

**45. What will be the result of the following SQL when executed?**

    SELECT TOP 10[Name]

    FROM [GLS2\_PROD ].[dbo].[tblAssociate]

   Sample Data

   ID Name

   31208 Rajashekar Gupta P

   103210 Nagarajan,Rajeswari

a) Returns Null

**b) Returns top 10 Names in the table**-----------------------------------------Ans

c) Returns top 10 rows in the table

d) Syntax error in the SQL

**46. Primary Key in a table can have null value. State True or False.**

True

**False**-----------------------------------------------------------------------------------Ans

**47. Identify the benefit of CSI**

  ANS) ALL

**48. WHICH OF THE FOLOWING IS NOT COVERED BY L0/L1 SUPPORT TEAM**

   ANS) PROMOTE ENHANCEMENT CHANGES TO PRODUCTION BY WORKING WITH RELES MANAGEMENT TEAM

**49. which analysis prevents the recurrence of incidents or prevents incidents even before they happen and lead to automation to reduce manual interventions, errors and efforts in L2 support?**

I. Reactive analysis

II. Proactive analysis

a. I

b. Neither I nor II

**c. II**----------------------------------------------------------------------ANS

d. Both I and II

**50. which of the following statements are true?**

**I. A well written logging code offers quick debugging, easy maintenance, and structured storage of an application's runtime information.**

**II. LOG.info("Data base operation failed. Check your SQL connection") statement logs the above lines in logger for best understanding.**

a. Only II

b. Only I

c. Neither I nor II

d. Both I and II----------------------------------ANS

**51. Unit testing done by tester true or false?**Ans: False

**52. Breaking the system modules into smaller programs and allocating these programs to the members of the system development team is the activity involved in ..............**

A. System Design Phase

**B. System Development Phase**-----ans

C. System Analysis Phase

D. System Implementation Phase

**53.What is meant by Response time ?**

ANS:Response time refers to the time when the initial response was given by the production support team

**54.Which service identifies and maintains a record of all installed applications?**

**a.Application License Management**--------------------------------------------------------------ANS

b.Adhoc Service request Fulfilment service

d.Standard Service request Fulfilment service

**55. How to identify performance od select Query?**

a.Using hint

**b.Using Explain plan**---------ans

c.Table statistics

d.Using Dbms\_sql

**56. In CR process who sets priority for request determined by committee?**

ANS: Change MANAGER

**57.Unit testing is commonly automated but cannot still be performed?**

Ans; false

**58. High level design gives the overall system design in terms of functional architecture and database design? T or F**.........True

**59. In which step of sdlc project termination done?**

a. design phase

b . System maintenance phase

**c. Feasibility study phase** ----ans

d. Coding phase

**60. Continual service improvement is \_\_   type of initiative?**

a.A. Run better

 b. Productivity improvement

 c. Optimization

**d. Efficiency improvement**---ans

**61. L2 is support team is \_\_\_\_\_ of functional escalation for L0&L1 teams?**

ANS:1ST LEVEL

**62. Function point sizing is dependent on technology ... T or f? ANS:TRUE**

**63.Providing uninterrupted access to apps and system and ensuring app availability is the main objective of AVM ... T or f?**  ans:True

**64.Which one is not an outcome of best practice in AVM engagement** .

a.efficient and effective operations

**b.increased maintenance and operation costs**. ----- ans

C. Improves reliability.

D.improves customer satisfaction

**65.Creating FAQ documents is an example of which csi method?**

a idea management system

b. Process standardization

c. Self service strategy

d. None

**66. What type of testing is performed by independent testing team/testing service?**

a.Smoke Testing/Regression Testing/UAT/Unit Testing

b.Unit Tseting?System/Functional Testing?SIT,Regression testing,UAT

c.unit Tseting/SIT/UAT

**d.System/Functioanl Testing/SIT,Regression Testing,UAT**-------------------------------------------------ANS

**67.Which key attributes of incident handling,refers to the time when the solution to the problem was found and the work started?**

a.Resolution Time

**b.Restoration Time**-------------------------ans

c.Status Time

d.Response Time

**68.Through Shift left Medhodology,the knowledge flows from\_\_\_\_\_\_\_\_\_\_**

a.L1,L2,L4toL3

**b.L4,L3,L2toL1**---------------ans

c.L1,L2,L3toL4

d.L1,L3,L4toL2

**69.Which of the following are true?**

a.The requirements document describes how the requirements that are listed in the document are implemented efficiently

b.Consistency and completeness of functional requirements are always achieved in practice.

c.Prototyping is a method of requirements validation--------------------------------------------------------------------------ANS

d.Requirements review is carried out to find the errors in system design.

**70.Why should the team have Project demo to the customer on a regular basis?**

a.To make him feel confident that his requirements are being developed the way it is expected

b.To showcase that the requiremnts of highest bussiness value to the customer have been priortized and developed for the customer.

c.To ask for the customers feedback on the developers user stories

D.aLL THE LISITED OPTIONS-----ANS

**71. Function point Sizing is dependent on technlogy.State True or False**

**a.True**--------------------------------------ANS

b.False

**72.Which master service of AVM  managed services catalog focuses on long-term functionality,stability and preventive maintainance toavoid problems thta typically arise from incomplete or short-term solutions?**

a.Governance Services

**b.Managed production Services**------------------------------ans

c.Product Services

d.Managed Application Services.

**73. How much time should a daily standup usually take?**

a.One Hr

b.20-40 Min

**c.10-15 min**-----------------------------------------------------------------------------------ANS

d.Depending upon the team's clarifications and the amount of issues to be discussed.

**74. In legacy AVM  service phase activities can be catogorized as which of the following ?**

a)production support

b)maintance

**c) all of the listed options**-----------------------------------------------ans

d)enhancements

**75. How many phases are there in ITIL service life cycle?**

a.Four

b.Three

c.Six

d.Five---------------------------ans

**76. Application services such as functional enhancements, business solution delivery and environment management services are performed by which support group?**

a.L2 Support

**b.L4 Support**---------------------------ans

c.L3 Support

d.L1 Support

**77. In which step of SDLC are enhancements , upgrades and bug fixes done??**

**a) maintenance and evaluation** ----------------------------------------------------------------ans

b)problem/opportunity identification

c)design

d)development and documentation

**78. In which phase of the AVM lifecycle are the customers requirements actually fulfilled?**

a)none

b) initiation and plannning phase

**c) service phase** -----------------------------------------------------------ans

d)knowledge transition phase

79. Minor enhancements are handled by which support team ?

a)L2

B)NONE

**c) L3 support team** ---------------------------- ans

D)L4

**80. Which of the following is NOT a benefit of Data Migration Service?**

a.Eliminates the risk of losing data.

b.Meets regulatory and compliance requirements for data retention.

**c.Decreases system/product productivity and performance while minimizing disruption due to data loss**.--------------ANS

d.Maintains integrity and availability of data to support business decisions.

**81.Which service provides real time monitoring of all jobs and constantly checks the status of the jobs?**

a.Application monitoring service.

b.Batch Scheduling/Execution Service.

**c.Batch monitoring service**.----------------------------------ANS

d.Mailbox and Ticketing Tool Monitoring Service.

**82. Enhancement services , assessment services and transformation services are rendered by l4 support team?**

**true** ---------------------ans

FALSE

**83. What is/are service benefit(s) for Application Problem Management service?**

A-All of the listed options

**B-Reduction of effort in fire-fighting or resolving repeated incidents**----------ans

C-Lesser productivity of business and IT

D-Increased effort on workarounds and temporary fixes

**84.AVM projects faced lot of challenges prior to Service catalog approach. State true or False**.

**A-True**-------------------------------ANS

B-False

**85.Which service in MAS, follows SDLC phases and manages end to end delivery from design, System Testing,Release Planning, Go live support and post production support?**

A-Functional Enhancements

**B-Application Integration Services**-------------------------------------------ANS

C-Application Strenghtening

D-Release Planning

**86.Which support level deals with unknown incidents?**

A-L4 support

B-L0/L1 support

**C-L2 support**---------------------------ans

D-L3 support

**87. One of the more challenging aspects of change management is ensuring that all details of changes are sufficiently documented and all parties are in agreement as to what is expected. State true or False**

**true**---------------------ans

false

**88. Define product upgrade service**

**I. Focuses on analyzing the current implementations, IDENTIFYING CLIENT specific customizations, conducting a feasibility study, preparation of a comprehensive upgrade roadmap and executing the same**

**II. Focuses on to achieving a complete product integration through progressive assembling of product components in a single stage or in incremental stages, with a defined integration strategy and procedure**

**a.I only**--------------------------------------------------------------------------ANS

b.Both I and II

c.Neither I nor II

d.II only

**89. Which of the following UML diagram represents the relationship among the classes?**

a. UseCase Diagram

**b. Class Diagram**--------------------------------------------------- ANS

c. Sequence Diagram

d. Activity Diagram

**90. What does ITIL stands for?**

a. Information Technology Ideal Library

**b. Information Technology Infrastructure** **Library** -----------------------------------------------------------ANS

c.Information Technology Interactive Library

d.Information Technology Intelligence Library

**91. A \_\_\_\_\_ is a method or technique that has consistently shown results superior to those achieved with other means and that is used as benchmark**

a. Best practice-------------------------------------------------ANS

b. Process

c. Scheme

d. System

**92. A design document contains declaration for all new classes, procedures, global and class variables and the description of all new procedures. State true or false**

**a. true** --------------------------ANS

b. false

**93. Define CMDB**

**I. It is a database that contains information about configurable IT components along with relationship between these components**

**II. It is repository of information that describes all of the conditions in your IT system that might result in an incident for your customer and users.**

a. Only II

b. Neither I nor II

**c.** **I only**--------------------ans

d. Both I and II

**94. CSI is one of the key focus areas in ITIL framework. True/false**

**a. true** ----------------------------------------ANS

b. false

**95. What are the various purpose of Business requirement document (BRD)?**

**a. BRD details the business solution for a project including the documentation of customer needs and explanation**-----ANS

**b. BRD is formal document that provides a contract between supplier and client**. -------------ANS

c. BRD contains the detailed project plan and design

**d. The BRD effectively defines the scope of the project**-----------------ANS

**96. Application community and Resilience support services assist client in the analysis, design and implementation of business continuity solutions. True/false**

**a. true** ----------------ANS

b. false

**97. The phases in software testing life cycle are**

a)test planning

b) test design

c) test execution

d) test closure

**e) all** ---------------------------------------------------------------------ANS

**98. select ename. sal from emp where deptno = (select \* from dept where loc ='New york')**

a)multiple record

b)displays nothing

**c)throw an error**----------------------------------------------- ANS

d)dispaly single row

**99. Which of the following statement is false**

a) the process of destroying unreferenced objects is called garbage collector

b) **none**-----------------------------------------------------ANS

c)an object becomes eligible for garbagae collection when there is no live thread

d) heap part of the memory is involved in garbage collection

e)garbage collection frees the memory occupied by the unreachable objects

**100. SDLC stands for**

**a)software development life cycle**---------------ANS

b)system development life cycle

c)software design life cycle

d)system design life cycle

**101. Advantages of exceptional handling**

a)none

**b) with the exception handling mechanism when the exception occurs the execution of the prgm is transfered to an appropriate exception handler and terminate the pgm-----------------ANS**

**c)exception handling maintains the nrmal flow of application------------------ANS**

**d)with the exception handling mechanism the developer can code much cleanser and have exception automatically decteced--------------------------------ANS**

**e)in exception handling generic exception object can be extended to any specific type exception-------ANS**

**102. Who is responsible for reviewing the CR to verify that there is sufficient details**

a)project manager

b)none of these

**c)change manager**------------------------------------------------ ANS

d)client manager

**103. HAVING Clause can be used only**

a)when select statement have where clause

**b)when the query has "group by" in select statements**---------------------------- ANS

c)when the order by clause is used in statement

d)when conditiins is present in select statement

**104. Identify the priority of an incident that causes (or has the potential to cause) severe disruption to business operations and/or significant fiscal impact**

a.Medium

**b.Critical**----------------------------ans

c.High

d.Low

**105. Which process grants authorized users the right to use a service?**

**a. access management**-----------------------------------------------------------ANS

b.Problem Management

c.Event Management

d.Incident Management

**106.  Which service is responsible for establishing a protocol for communication and coordination between vendors using major outages?**

a.Application License Management

**b.Major incident and Mediator Support Service**---------------------------------------------ANS

c.Known error Resolution Services

d.Standard Service Request Fulfilment service

**107. Which of the following are the measurements of Batch Monitoring in AVM projects?**

**a.%Batch job abend**---ANS

b.%of Tickets Responed

**c.%Reduction in batch window**---ANS

**d.%jobs complted within Target time** ---ANS

**108. There is no process that needs to be followed in Scrum as it is only driven**

a.true

**b.false**---------------------------------------------------------ANS

**109. What are all Three defined levels of benchmark?**

a.Threshold Limit

**b.Goal---------------------ans**

**c.Upper Control Limit-----------------------------------------ANS**

**d.Lower Control Limit----------------------------------------------ANs**

**110. A scheduled batch process can consist of the execution of hundreds or thousands of jobs in a random sequence**

true

**false**---------------------ans

**111. How to we identify the performance of the select query?**

a.Using HINT

**b.Using Explain plan**---------------------------------------------------ANS

c.Using Table statistic

d.Using DBMS\_SQL

**112. enter user name** -- not sure

**113.DISTINCT keyword used for\_\_\_\_\_\_\_\_\_\_\_\_\_**

ANS:- To find Unique records from table

**114.** **Which policy Cognizant follows\_\_\_\_\_\_\_\_\_\_**

**ANS**:- Run Better, Run Different

**115.Which is Not DML command**

a. Insert

b .Delete

c. Update

**d. Truncate**------------------------ANS