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P4070-005

IBM System z and z/OS Fundamentals Mastery



Exam A

QUESTION 1

Many companies have very large groups of physical servers in a central location. Which of the following describes those large groups of servers?

- A. IBM mainframes
- B. Remote distributed processing
- C. zBX
- D. Server farms

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2 Which of the following is the most common business application mainframe workload?

- A. Batch and online transaction processing
- B. Printing and distribution processing
- C. Backup and archiving processing
- D. Restoration and recovery processing

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 3 In addition to the z/OS and z/VM operating systems, which of the following operating systems run on IBM System z excluding zBX?

- A. Windows, Linux on z, z/TPF
- B. AIX, z/VSE, Linux on z
- C. Windows, Linux on z, AIX
- D. z/VSE, Linux on z, z/TPF

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4 Which of the following describes the major difference between and FICON or ESCON channels?

- A. ESCON channels are faster, FICON channels are slower
- B. ESCON channels use hard copper connections, FICON channels use fibre connections
- C. ESCON channels are more secure than FICON channels
- D. FICON channels have higher capacity than ESCON channels

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

IBM mainframe offers specialty processors (zIIP, zAAP, SAP and IFL). Which of the following accurately describes a function of one of these specialty processors?

- A. zAAP processors automatically turns off unnecessary computing components.
- B. IFL is used by a Linux LPAR or Linux on z/VM
- C. zIIP processors automatically run high priority jobs first
- D. SAP processors are specially tuned to run the SAP application suite

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6 Which of the following mainframe technologies requires a coupling facility?

- A. CTC ring
- B. Shared DASD
- C. Parallel Sysplex
- D. zAAP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7 Which of the following can identify a base software component?

- A. Message format
- B. Software update list
- C. System log routing table descriptor
- D. Three characters in message identifier

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

A system z architecture has two kinds of physical storage. There is central storage and auxiliary storage. Access to central storage is _____.

- A. multi-synchronous
- B. asynchronousC. synchronous
- D. duplexed

Correct Answer: C



Section: (none)

Explanation

Explanation/Reference:

QUESTION 9 The range of virtual addresses that z/OS can assign to a user or separately running program is called a(n) _____ space.

- A. Virtual
- B. Physical
- C. Address
- D. Mapping

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10 The subset of an address space's pages in central storage at a given time is known as the _____.

- A. Virtual set
- B. Address set
- C. Working set
- D. Central set

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11 Which of the following does the PA1 key denote in TSO/E?

- A. Terminate
- B. Attention
- C. Cancel
- D. Exit

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12 In addition to telnet, which method can be used to log in directly to the z/OS UNIX shell through TCP/IP?

- A. logon
- B. rlogin
- C. map
- D. FTP



Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13

Which TSO command can be entered at the READY prompt to diagnose an error message?

- A. ?
- B. Help
- C. Assist
- D. Analyze

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14 Which of the following languages can be executed as a single command from a list of commands without compiling it?

- A. CLIST or REXX
- B. Assembler
- C. COBOL
- D. PL/1

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15 Which of the following is a characteristic of Native TSO?

- A. It provides a full screen editor for updating datasets
- B. It provides a ready prompt to enter commands
- C. It provides a dataset list for editing data sets
- D. It provides a menu to enter commands

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16 Including all name segments and periods, the length of a dataset name cannot exceed how many characters?

- A. 48
- B. 44



C. 40 D.
36

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17 When describing a data set, which of the following is a valid z/OS record format?

- A. Partitioned
- B. Standard
- C. Shifting
- D. Fixed

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18

Whenever a new customer record is added, it is always added at the end of the data set. Whenever the customer data set records are processed, they are always processed starting at the beginning of the data set, each record is read and processed, and processing stops when the last record in the data set has been processed. What is the data set type?

- A. Sequential
- B. PDS/E
- C. RRDS
- D. PDS



Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19 Which of the following types of data sets contains a directory and members?

- A. Partitioned
- B. Sequential
- C. VSAM
- D. KSDS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20

Which of the following describes a non-partitioned data set?

- A. A collection of one or more records that is stored in physical order
- B. A collection of sequential data sets called members
- C. A collection of logically related data records
- D. A collection of directory and members

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

When creating new data sets, one must specify the NEW option for the DISP parameter of a DD statement. Which of the following is required in addition to the NEW option when allocating disk space?

- A. The type of high speed memory in the system
- B. The space allocated for the dynamic extents
- C. A hierarchical file system name
- D. A volume serial number

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

A programmer can select almost any name for a JCL DD name. There are a number of reserved DD names that a programmer cannot use. Which of the following is a reserved DD name?

- A. //SYSDDUMP DD ?
- B. //SYSABEND DD ?
- C. //STOPLIB DD ?
- D. //JOBLAB DD ?

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23 Which of the following does IBM provide in SYS1.LINKLIB?

- A. Links to other systems
- B. Cataloged procedures
- C. Application programs
- D. System programs

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

Which of the following describes a JCL data definition statement?

- A. Associates a program coded file name with JCL DDNAME
- B. Associates a program coded file name with a JCL EXEC
- C. Associates a JCL PROC with a symbolic file name
- D. Associates a JCL EXEC with a program name

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25 Which of the following is a JOB statement parameter?

- A. SYSOUT=
- B. PARM=
- C. USER=
- D. UNIT=

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 26 Which of the following resources processes the JCL statements for each job?

- A. Initiator
- B. Spool
- C. JES2D. WLM

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27 Which of the following is the sequence of the job phases as they flow through the system?

- A. Input, Purge, Convert, Output, Process, Print
- B. Input, Output, Convert, Process, Purge, Print
- C. Input, Convert, Process, Output, Print, Purge
- D. Input, Process, Print, Convert, Purge, Output

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28 Which of the following enables processing of a batch job in a z/OS environment?

- A. UNIX Services
- B. ISPF
- C. TSO
- D. JCL

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29 Which of the following is the purpose of JES?

- A. Receives and schedules jobs, and controls output processing
- B. Creates new data sets as instructed by the JCL
- C. Helps users design or update new programs
- D. Validates login information to identify users

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 30 Which of the following is a valid function of the initiator?

- A. Avoid program conflicts
- B. Avoid data set conflicts
- C. Access TSO terminals
- D. Prioritize running jobs

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31 Which of the following is included in the system test phase?

- A. Unit test of a module or class
- B. Performance or stress test
- C. Client acceptance test
- D. Logic test

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32 Which of the following is the reason to design an application to run online?

- A. The users require online access to data and fast response time
- B. Users do not require to run the application as a batch program
- C. Transactions are submitted for overnight processing
- D. Data is stored on tape

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33 Which of the following is an appropriate concern for the z/OS application developer?

- A. Deciding whether business rules and policies are appropriate for the project
- B. Selecting the right personnel to assist in the development of the application
- C. Coding and testing the software being developed for a particular project
- D. Selecting the correct hardware platform to support the application

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34 Which of the following is the most commonly used interface for z/OS application programmers?

- A. Rational Developer for System z (RDz)
- B. TSO/E and ISPF
- C. X Window
- D. TN 3270

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35 Which of the following best describes an assembler instruction?

- A. A request to the assembler to do certain operations during the assembly of a source module
- B. A request that must be parsed, interpreted, and executed each time that the program is run
- C. A request to the assembler program to process a predefined sequence of instructions
- D. The symbolic representation of a machine language instruction

Correct Answer: A

Section: (none)

Explanation



Explanation/Reference:

QUESTION 36 In COBOL, which statement connects a file's internal FD name to an external JCL DD name?

- A. Record
- B. Select
- C. Read
- D. Open

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37 Which of the following languages can be interpreted or compiled?

- A. Assembler
- B. COBOL
- C. REXX
- D. CLIST

Correct Answer: C

Section: (none)

Explanation



Explanation/Reference:

QUESTION 38 What term describes the output of a compiler?

- A. Compile Module
- B. Source Module
- C. Object Module
- D. Load Module

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39 What types of modules are input to the binder or linkage editor?

- A. Compiled Modules
- B. Source Modules
- C. Output Modules
- D. Object Modules

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40 Which of the following are used to create an executable module from an object deck?

- A. Relocation program
- B. Linkage editor
- C. Preprocessor
- D. Precompiler

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41 Which of the following actions ensure the "atomic" property of a transaction processing system?

- A. Restart and recovery
- B. Commit and rollback
- C. Accept and deny
- D. Apply and retry

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42 What is a CICS transaction?

- A. The amount of data transferred by executing a single CICS command
- B. A request issued by a synch point manager
- C. A unit of work initiated by a single request
- D. A request issued by a resource manager

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43 After signing on to CICS, how does a user invoke a transaction?

- A. By issuing a TSO command
- B. By typing INVOKE CICS
- C. By typing EXEC CICS
- D. By typing a TRANSID



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44 Which of the following DB2 address spaces is used to communicate with other DB2 subsystems?

- A. Distributed Data Facility
- B. Lock Manager Services
- C. Database Services
- D. System Services

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45 Which of the following describes SQL where DB2 determines the access path at run time?

- A. Determined
- B. Dynamic
- C. Static
- D. Agile

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46 Which of the following is a logical database structure made up of rows and columns?

- A. Table space
- B. Table
- C. Index
- D. DBMS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

Which of the following is an application program defined to DB2 and managed by the DB2 subsystem, used to help limit the number of network calls to run queries against the database?

- A. User Defined Function
- B. User Defined Type
- C. Stored Procedure



D. Trigger

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48 Which of the following is one of DB2's three required address spaces?

- A. Distributed Data Facility Services
- B. Message Processing Services
- C. Stored Procedure Services
- D. Lock Manager Services

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49 Which of the following is a Java API to access different forms of tabular data?

- A. JDBC
- B. J2EE
- C. JVMD. JMS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50 SSI, Cookie Support, Tracing and Logging, and Persistent Connections are considered what type of z/OS-specific HTTP functions?

- A. File Caching
- B. Security
- C. Add-on
- D. Basic

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

Which of the following z/OS UNIX files determines the behavior of a z/OS HTTP Server request passed to a plug-in?

- A. plugin-cfg.xml B. plugin-cfg.xml
- C. plugin.conf



D. profile

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52 Which of the following is true of Type 4 JDBC drivers?

- A. Fully written in java, can be ported to any platform that supports DBMS protocol.
- B. JDBC API calls platform and database specific code to access the database.
- C. JDBC default driver for z/OS
- D. Offers the best performance

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53 Which of the following programming models is supported by the WebSphere Application Server (WAS) for z/OS environment?

- A. Parallel Object Oriented
- B. Java macro level (JML)
- C. Procedural Architecture
- D. J2EE



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

Which of the following describes the WebSphere Application Server (WAS) capability to detect application failures and to restart when a failure occurs?

- A. ARM
- B. ASM
- C. RSM
- D. SRM

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55 When an MQ application sends a "request" message type, what message type is expected in return?

- A. Datagram
- B. Return

- C. Result
- D. Reply

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56 Which of the following is required for an MQ application to send a message to another application on a different computing platform?

- A. Establish an asynchronous communication channel to effect the transfer
- B. Establish a synchronous communication channel to effect the transfer
- C. Use an MQI bidirectional channel to effect the transfer
- D. Use a logical MQ channel to effect the transfer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57 Which of the following disk volumes contains the IPL text?

- A. SYSCAT
- B. SYSRES
- C. SYSDLB
- D. SYSZOS



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58 Which of the following processes is needed to load a mainframe operating system?

- A. TSO/E
- B. IML
- C. JES
- D. IPL

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59 Which of the following items directs the system to locate z/OS data sets?

- A. Storage Group

- B. Master Catalog
- C. DB2 Tables
- D. SDSF

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 60 Which of the following elements allow different z/OS systems to share PARMLIB definitions while retaining unique values in those definitions?

- A. System Parameters
- B. System Messages
- C. System Symbols
- D. System Codes

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61 Which of the following z/OS components controls TSO, batch job and started task priority assignments?

- A. ASM
- B. RSM
- C. WLM
- D. VSM

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 62 Which of the following are contained in the SMP/E CSI?

- A. Element descriptions
- B. APAR Elements
- C. User Elements
- D. PTF Elements

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 63 Which of the following belongs to the SYSMOD category?



- A. SCHEDULER
- B. FUNCTION
- C. SPSF
- D. APF

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64 Which of the following is used to introduce new elements to the system using SMP/E? (Choose two.)

- A. Base and Dependent function SYSMODs
- B. Hardware Management Console (HMC)
- C. Initial Program Load (IPL)
- D. APAR and PTF

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 65 Which of the following is a main responsibility of the RACF administrator?

- A. Program Debugging
- B. Software Installation
- C. Security Planning
- D. Job Scheduling

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 66 Which of the following z/OS features allows selected programs to reside in special libraries and thereby access sensitive z/OS system functions (such as running in supervisor state or executing privileged instructions)?

- A. Lightweight Directory Access Protocol (LDAP) Server
- B. Resource Access Control Facility (RACF)
- C. System Authorization Facility (SAF)
- D. Authorized Program Facility (APF)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 67 Which of the following enables an organization to define individuals and groups with access privileges to z/OS?

- A. RACF
- B. APF
- C. JES
- D. SVC

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 68 Which of the following software products provides basic security for a mainframe system?

- A. RACF
- B. LDAP
- C. PKI
- D. SAF

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 69 Which of the following RACF structures retains information about users, resources, and access authorities?

- A. Templates
- B. Groups
- C. Profiles
- D. Access

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 70 Which of the following describes TN3270?

- A. VTAM 3270 common storage for telnet
- B. SNA telnet standard for 3270 protocol
- C. Telnet standard for 3270 data stream
- D. TCP/IP standard RFC 3270

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 71 Which of the following allows a full panel of data entries and corrections to be sent to the receiving SNA application when the Enter key is pressed?

- A. 3270 data stream
- B. OSI data network
- C. VTAM
- D. APPN

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 72 Which of the following enables network devices to communicate with SNA applications in the z/OS environment?

- A. BTAM
- B. VSAM
- C. VTAM
- D. BDAM

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 73 Which of the following describes the z/OS Communications Storage Manager (CSM)?

- A. Communications Server disk storage
- B. Layered network model storage
- C. RFC common storage standard
- D. Shared I/O buffer for data flow

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference: