1. Which utility do you use to determine free space on a disk?
   A. DSAP
   B. DCOM
   C. NSKCOM
   D. DISKCOM

2. Which command displays all processes running in CPU 0?
   A. PPD
   B. STATUS 0
   C. PEEK 0
   D. INFO 0

3. You want to upgrade an S70000 8 CPU system to a 16 CPU system. Assuming no I/O enclosures, how many additional SEBs need to be added to the original enclosures for upgrade?
   A. 0
   B. 2
   C. 4
   D. 8

4. Which products should be used to analyze disk space and performance?
   A. ASAP, SMF
   B. Mediacom, ASM
   C. DCOM, Viewsys
   D. DSAP, Measure

5. Which SCF command displays the ring speed for a Token Ring adapter?
   A. info PIF *, detail
   B. info LIF *, detail
   C. info SAC *, detail
   D. info adapter *, detail

6. Which SCF command displays the number of disks in started state?
   A. INFO DISK
   B. STATUS DISK
   C. DISK INFO
   D. DISK DETAIL

7. An RS-232 interface can be attached to the S-series system through
   A. an SEB
   B. an AWAN
   C. an SNDA
   D. a SCSI port
8. When sizing a new application, what data is NOT used for extrapolation?
   A. data file sizes
   B. transaction profiles
   C. Measure data
   D. predicted transaction rates

9. When should input data for TCM be collected?
   A. at peak times only
   B. at the same time each day
   C. at varying system utilizations
   D. overnight

10. The amount of physical memory in an S70000 system can be determined by the number of
    A. enclosures
    B. PMFs
    C. disk units
    D. IOMFs

11. Which tool is used for sizing new applications?
    A. TPDC
    B. GPAX
    C. SIZOR
    D. ASSET

12. In a six-processor system, how many system consoles are required for fault tolerance?
    A. 2
    B. 3
    C. 4
    D. 6

13. Which element can NOT be used as a constraint in TCM capacity model scenarios?
    A. host response time
    B. transaction cost
    C. transaction rate
    D. number of processors

14. Which component of TCM is used to examine transaction rates and response times as
    processor and disk utilization vary?
    A. consumption model
    B. sensitivity analysis
    C. planning timeline
    D. capacity baseline

15. For an application that has been migrated to S-series, which device is no longer valid as a
    hometerm?
    A. $OSP
    B. $ZHOME
    C. $YMIOP.#CLCI
    D. $YMIOP.#CNSL
16. A process uses $OSP as hometerm to accept input. When converting to S-series, which hometerm definition should be used?
   A. $NULL
   B. $ZHOME
   C. $YMIOP.#CLCI
   D. $YMIOP.#CNSL

17. Which forms are used in the site planning stage? Select TWO.
   A. system equipment inventory form
   B. preinstalled I/O device cable check list
   C. PMF CRU configuration form
   D. IOMF CRU configuration form
   E. floor plan diagram

18. According to the Power and Environment manual, what is the recommended fire control system for a computer room?
   A. water
   B. CO2
   C. halon
   D. argon

19. What is the minimum operating temperature for a one-enclosure system?
   A. 0 °C (32 °F)
   B. 5 °C (40 °F)
   C. 10 °C (50 °F)
   D. 15 °C (59 °F)

20. What particle levels should NOT be exceeded in the computer area?
   A. 100 particles per cubic foot for particles in the size range of 0.5 micron
   B. 1,000 particles per cubic foot for particles in the size range of 0.5 micron
   C. 10,000 particles per cubic foot for particles in the size range of 0.5 micron
   D. 100,000 particles per cubic foot for particles in the size range of 0.5 micron

21. What is the minimum service clearance required on the service side for an S-series enclosure?
   A. 18 inches (45 cm)
   B. 24 inches (60 cm)
   C. 30 inches (75 cm)
   D. 36 inches (90 cm)

22. What is the depth of an S-series enclosure, including cable channels?
   A. 26.75 inches (68 cm)
   B. 28.75 inches (73 cm)
   C. 30.75 inches (78 cm)
   D. 32.75 inches (83 cm)
23. What type of phone line is required to connect a modem on a TSM for remote access?
   A. X25
   B. analog
   C. ISDN
   D. T1

24. Which individuals or groups are required for order approval and sign off? Select THREE.
   A. Systems Analyst
   B. Admin
   C. Sales
   D. GCSC
   E. Engineering
   F. Professional Services

25. Which command starts CPSA from the TACL prompt?
   A. CPA
   B. TBI
   C. CSA
   D. CPSA

26. Which item is required for CPSA/QMS configuration verification?
   A. Sales Order
   B. Hardware Product List
   C. Site Survey
   D. Application Software List

27. Which disks are always in a base system that is shipped from manufacturing?
   A. $System, $Dsmscm, $Audit
   B. $System, $Dsmscm, $Data00
   C. $System, $Audit, $Data00
   D. $System, $Audit, $DSV

28. Which processes does SCF use to store on-line changes?
   A. Subsystem Manager, $ZNET,$ZCNF
   B. Subsystem Manager, $ZSPI, $ZCNF
   C. $ZNET, $ZSPI,$ZCNF
   D. $ZPM,$ZSPI,$ZNET

29. What does the acronym SCF mean?
   A. standard console feature
   B. subsystem creation facility
   C. subsystem control facility
   D. S-Series communications function

30. Which tool is used to update software on the system?
   A. INSTALL
   B. DSM/SCM
   C. SCF
   D. COUP
31. Which port is used to connect the NonStop System Console (NSC) to the PMF?
   A. async
   B. aux
   C. console
   D. Ethernet

32. Where are details of the progress and outcome of a DSM/SCM INITENV logged?
   A. DSMLOG
   B. INITLOG
   C. INITSTAT
   D. DSMINI

33. Which "well-known" port is used for configuring TSM service connection on public LAN?
   A. 950
   B. 980
   C. 1050
   D. 1089

34. Which TACL macro must be run to configure the TSM Event Viewer to be run over public LAN?
   A. STARTCEV
   B. INITCEV
   C. CEVINIT
   D. CEVSTART

35. Which tool should be used when replacing a PMF?
   A. WAN Wizard Pro
   B. Guided Replacement Toolkit
   C. WAN Wizard
   D. SPTool

36. Which tool should be used when configuring Comms devices?
   A. MFCRUTOOL
   B. WAN Wizard Pro
   C. SPTool
   D. Guided Replacement Toolkit
37. Using the standard naming convention created by manufacturing, what is the name of an E4SA installed in Group 11 Slot 54?
   A. E1154
   B. E0154
   C. E0115
   D. E0054

38. In which group and slot would an adapter with the name T3151 be installed?
   A. Group 31 Slot 51
   B. Group 51 Slot 53
   C. Group 51 Slot 31
   D. Group 31 Slot 53

39. What is the maximum number of I/O enclosures that can be connected to a processor enclosure on an S7x00 system in a Tetra 16 configuration?
   A. 16
   B. 32
   C. 36
   D. 40

40. Prior to performing a SIT load, it is recommended to
   A. remove PMF 1
   B. disconnect the TSM console
   C. disconnect all system enclosures
   D. remove the $system-m

41. In a fault-tolerant environment, how many Ethernet hubs are required to connect a primary and backup system consoles?
   A. 1
   B. 2
   C. 3
   D. 4

42. To insure optimum fault tolerance, how many SNDA adapters are required for a mirrored volume?
   A. 1
   B. 2
   C. 3
   D. 4

43. Which log can be viewed in the Common Event Viewer as well as $0?
   A. $HLOG
   B. $MLOG
   C. $ZLOG
   D. $OPRLOG
44. Which file needs to be executed to activate the Guided Replacement Toolkit (GRT)?
   A. GR.BAT
   B. GR.EXE
   C. GRT.BAT
   D. GRT.EXE

45. What is the minimum NonStop Kernel operating system version that allows $system to be
    configured in any slot within Group 1?
   A. G06.05
   B. G06.06
   C. G06.07
   D. G06.08

46. Which NonStop Kernel operating system version is required for online system expansion?
   A. G06.00 or later
   B. G06.02 or later
   C. G06.04 or later
   D. G06.06 or later
Objective: (662.1.1) Collect required existing processing environment data from customer site
Item: 662.1.1.a.1

1. Which utility do you use to determine free space on a disk?
   A. DSAP
   B. DCOM
   C. NSKCOM
   D. DISKCOM

References: Common Knowledge

Objective: (662.1.1) Collect required existing processing environment data from customer site
Item: 662.1.1.b.1

2. Which command displays all processes running in CPU 0?
   A. PPD
   B. STATUS 0
   C. PEEK 0
   D. INFO 0

References: Common Knowledge

Objective: (662.1.2) Determine specific application requirements, resources, and utilization
Item: 662.1.2.a.1

3. You want to upgrade an S70000 8 CPU system to a 16 CPU system. Assuming no I/O enclosures, how many additional SEBs need to be added to the original enclosures for upgrade?
   A. 0
   B. 2
   C. 4
   D. 8

References: S-Series Field Support Class (Instructor-Led Training)
Objective: (662.1.2) Determine specific application requirements, resources, and utilization
Item: 662.1.2.f.1

4. Which products should be used to analyze disk space and performance?
   A. ASAP, SMF
   B. Mediacom, ASM
   C. DCOM, Viewsys
   D. DSAP, Measure

References: Performance and Tuning Course (Instructor-Led Training)

Objective: (662.1.3) Determine current networking environment structure
Item: 662.1.3.a.1

5. Which SCF command displays the ring speed for a Token Ring adapter?
   A. info PIF *, detail
   B. info LIF *, detail
   C. info SAC *, detail
   D. info adapter *, detail

References: LAN Configuration and Management Manual 520469-002, SCF Commands for the SLSA Subsystem, NOOPTION, RINGSPEED

Objective: (662.1.4) Identify specific device types utilized in system
Item: 662.1.4.a.1

6. Which SCF command displays the number of disks in started state?
   A. INFO DISK
   B. STATUS DISK
   C. DISK INFO
   D. DISK DETAIL


Objective: (662.1.4) Identify specific device types utilized in system
Item: 662.1.4.d.1

7. An RS-232 interface can be attached to the S-series system through
   A. an SEB
   B. an AWAN
   C. an SNDA
   D. a SCSI port

References: AWAN 3886 Server Installation and Configuration Guide 520338-001, Introduction to the AWAN 3886 Servers
Objective: (662.1.6) Identify requirements for migrating existing applications
Item: 662.1.6.d.1

8. When sizing a new application, what data is NOT used for extrapolation?
   A. data file sizes
   B. transaction profiles
   C. **Measure data**
   D. predicted transaction rates

References:  Common knowledge

Objective: (662.2.4) State the purpose of the Tandem Capacity Modeling (TCM) tool
Item: 662.2.4.d.1

9. When should input data for TCM be collected?
   A. at peak times only
   B. at the same time each day
   C. **at varying system utilizations**
   D. overnight

References:  TCM Manual 3-3, TCM Course, Performance and Tuning Class

Objective: (662.2.5) List necessary criteria to insure fault tolerance in proposed system
Item: 662.2.5.c.1

10. The amount of physical memory in an S70000 system can be determined by the number of
    A. enclosures
    B. **PMFs**
    C. disk units
    D. IOMFs

References:  S-Series Planning and Configuration Guide 429863-001, Initial Configurations,
            Processor Types and Memory Sizes/Internal Disk Drives

Objective: (662.2.6) Describe design goals and baseline improvements of proposed solution
Item: 662.2.6.a.1

11. Which tool is used for sizing new applications?
    A. TPDC
    B. GPAX
    C. SIZOR
    D. **ASSET**

References:  Availability Guide for Performance Management 429863, Problem Management Tools
            Support Note: S97036D-G-Series support Compendium
Objective: (662.2.8) Determine the proper number of system consoles and locations to accomplish the proposed solution

Item: 662.2.8.b.1

12. In a six-processor system, how many system consoles are required for fault tolerance?
   A. 2
   B. 3
   C. 4
   D. 6

References:  S-Series Planning and Configuration Guide 424861-001, Planning for LAN Communications, Multiple TSM Workstations Managing Multiple Systems

Objective: (662.2.9) Determine growth trends of customer system to accommodate for future planning (expansion)

Item: 662.2.9.b.1

13. Which element can NOT be used as a constraint in TCM capacity model scenarios?
   A. host response time
   B. transaction cost
   C. transaction rate
   D. number of processors


Objective: (662.2.9) Determine growth trends of customer system to accommodate for future planning (expansion)

Item: 662.2.9.c.1

14. Which component of TCM is used to examine transaction rates and response times as processor and disk utilization vary?
   A. consumption model
   B. sensitivity analysis
   C. planning timeline
   D. capacity baseline

References:  Tandem Capacity Model (TCM) Manual 424093-001, The Performance Model, Capacity Baseline—Plan Screen
Objective: (662.2.10) Discuss proper planning for testing and migrating, porting or upgrading legacy applications

Item: 662.2.10.b.1

15. For an application that has been migrated to S-series, which device is no longer valid as a hometerm?
   A. $OSP
   B. $ZHOME
   C. $YMIOP.#CLCI
   D. $YMIOP.#CNSL

References:   G-Series Highlights and Migration Planning Guide, Migrating Applications to G Series Releases, Applications Specifying the $OSP System Console Process

Objective: (662.2.10) Discuss proper planning for testing and migrating, porting or upgrading legacy applications

Item: 662.2.10.c.1

16. A process uses $OSP as hometerm to accept input. When converting to S-series, which hometerm definition should be used?
   A. $NULL
   B. $ZHOME
   C. $YMIOP.#CLCI
   D. $YMIOP.#CNSL

References:   G-Series Highlights and Migration Planning Guide, Migrating Applications to G Series Releases, Applications Specifying the $OSP System Console Process

Objective: (662.3.1) Identify the various elements of a site survey checklist / worksheet

Item: 662.3.1.a.1

17. Which forms are used in the site planning stage? Select TWO.
   A. system equipment inventory form
   B. preinstalled I/O device cable check list
   C. PMF CRU configuration form
   D. IOMF CRU configuration form
   E. floor plan diagram

References:   Server S-Series Planning and Configuration Guide- 424861-001, Site Planning and Preparation, Forms Used in this Section
Objective: (662.3.2) Describe the key requirements necessary for planning and configuring an S-series Server system

Item: 662.3.2.f.1

18. According to the Power and Environment manual, what is the recommended fire control system for a computer room?
   A. water
   B. CO2
   C. halon
   D. argon

References:  Power requirements for Server Servers -422853-001, Other Environmental Requirements, Fire Control and Equipment Protection

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Objective: (662.3.2) Describe the key requirements necessary for planning and configuring an S-series Server system

Item: 662.3.2.j.1

19. What is the minimum operating temperature for a one-enclosure system?
   A. 0 °C (32 °F)
   B. 5 °C (40 °F)
   C. 10 °C (50 °F)
   D. 15 °C (59 °F)

References:  Server S-Series Planning and Configuration Guide- 424861-001, Specifications, Power and Environmental Specifications

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Objective: (662.3.2) Describe the key requirements necessary for planning and configuring an S-series Server system

Item: 662.3.2.k.1

20. What particle levels should NOT be exceeded in the computer area?
   A. 100 particles per cubic foot for particles in the size range of 0.5 micron
   B. 1,000 particles per cubic foot for particles in the size range of 0.5 micron
   C. 10,000 particles per cubic foot for particles in the size range of 0.5 micron
   D. 100,000 particles per cubic foot for particles in the size range of 0.5 micron

References:  Power requirements for Server Servers -422853-001, Other Environmental Requirements, Air Filtration Requirements
Objective: (662.3.2) Describe the key requirements necessary for planning and configuring an S-series Server system

Item: 662.3.2.n.1

21. What is the minimum service clearance required on the service side for an S-series enclosure?
   A. 18 inches (45 cm)
   B. 24 inches (60 cm)
   C. 30 inches (75 cm)
   D. 36 inches (90 cm)

References: Server S-Series Planning and Configuration Guide- 424861-001, Specifications, Enclosure Dimensions

Objective: (662.3.2) Describe the key requirements necessary for planning and configuring an S-series Server system

Item: 662.3.2.q.1

22. What is the depth of an S-series enclosure, including cable channels?
   A. 26.75 inches (68 cm)
   B. 28.75 inches (73 cm)
   C. 30.75 inches (78 cm)
   D. 32.75 inches (83 cm)


Objective: (662.3.2) Describe the key requirements necessary for planning and configuring an S-series Server system

Item: 662.3.2.w.1

23. What type of phone line is required to connect a modem on a TSM for remote access?
   A. X25
   B. analog
   C. ISDN
   D. T1

References: Common Knowledge
Objective: (662.4.1) Describe steps in processing an order for a system or product
Item: 662.4.1.d.1

24. Which individuals or groups are required for order approval and sign off? Select THREE.
   A. Systems Analyst
   B. Admin
   C. Sales
   D. GCSC
   E. Engineering
   F. Professional Services

References:  Common knowledge

Objective: (662.4.1) Describe steps in processing an order for a system or product
Item: 662.4.1.e.1

25. Which command starts CPSA from the TACL prompt?
   A. CPA
   B. TBI
   C. CSA
   D. CPSA

References:  Common knowledge

Objective: (662.4.1) Describe steps in processing an order for a system or product
Item: 662.4.1.f.1

26. Which item is required for CPSA/QMS configuration verification?
   A. Sales Order
   B. Hardware Product List
   C. Site Survey
   D. Application Software List

References:  Common knowledge

Objective: (662.4.2) Discuss the initial system configuration elements
Item: 662.4.2.b.1

27. Which disks are always in a base system that is shipped from manufacturing?
   A. $System, $Dsmrcm, $Audit
   B. $System, $Dsmrcm, $Data00
   C. $System, $Audit, $Data00
   D. $System, $Audit, $DSV

References:  S-series Field Support Class, K-S Differences Class (Instructor-Led Training)
Objective: (662.4.3) Describe the primary functions of the SCF utility
Item: 662.4.3.c.1

28. Which processes does SCF use to store on-line changes?
   A. Subsystem Manager, $ZNET,$ZCNF
   B. Subsystem Manager, $ZSPI, $ZCNF
   C. $ZNET, $ZSPI,$ZCNF
   D. $ZPM,$ZSPI,$ZNET

References:  K-S Differences Course (Instructor-Led Training)

Objective: (662.4.3) Describe the primary functions of the SCF utility
Item: 662.4.3.f.1

29. What does the acronym SCF mean?
   A. standard console feature
   B. subsystem creation facility
   C. subsystem control facility
   D. S-Series communications function

References:  S-Series Field Support Course, SCF Reference Manual for G-series Releases Section 1-1

Objective: (662.4.4) Identify the primary tools used during initial system configuration
Item: 662.4.4.a.1

30. Which tool is used to update software on the system?
   A. INSTALL
   B. DSM/SCM
   C. SCF
   D. COUP

References:  K-S Differences Class
Objective: (662.4.4) Identify the primary tools used during initial system configuration
Item: 662.4.4.j.1

31. Which port is used to connect the NonStop System Console (NSC) to the PMF?
   A. async
   B. aux
   C. console
   D. Ethernet

References: S-Series Field Support Class; TSM Configuration Guide; S-Series FastPath Manual 1-22

Objective: (662.4.4) Identify the primary tools used during initial system configuration
Item: 662.4.4.l.1

32. Where are details of the progress and outcome of a DSM/SCM INITENV logged?
   A. DSMLOG
   B. INITLOG
   C. INITSTAT
   D. DSMINI


Objective: (662.4.4) Identify the primary tools used during initial system configuration
Item: 662.4.4.n.1

33. Which "well-known" port is used for configuring TSM service connection on public LAN?
   A. 950
   B. 980
   C. 1050
   D. 1089

References: S-Series Field Support Class (Instructor-Led Training)

Objective: (662.4.4) Identify the primary tools used during initial system configuration
Item: 662.4.4.o.1

34. Which TACL macro must be run to configure the TSM Event Viewer to be run over public LAN?
   A. STARTCEV
   B. INITCEV
   C. CEVINIT
   D. CEVSTART

References: S-Series Field Support Class (Instructor-Led Training)
Objective: (662.4.4) Identify the primary tools used during initial system configuration
Item: 662.4.4.r.1

35. Which tool should be used when replacing a PMF?
   A. WAN Wizard Pro
   B. Guided Replacement Toolkit
   C. WAN Wizard
   D. SPTool

References: CSSI Website; S-Series Field Support Class (Instructor-Led Training)

Objective: (662.4.4) Identify the primary tools used during initial system configuration
Item: 662.4.4.s.1

36. Which tool should be used when configuring Comms devices?
   A. MFCRUTOOL
   B. WAN Wizard Pro
   C. SPTool
   D. Guided Replacement Toolkit

References: CSSI Website

Objective: (662.4.4) Identify the primary tools used during initial system configuration
Item: 662.4.4.v.1

37. Using the standard naming convention created by manufacturing, what is the name of an E4SA installed in Group 11 Slot 54?
   A. E1154
   B. E0154
   C. E0115
   D. E0054

References: S-Series Field Support Class (Instructor-Led Training)

Objective: (662.4.4) Identify the primary tools used during initial system configuration
Item: 662.4.4.w.1

38. In which group and slot would an adapter with the name T3151 be installed?
   A. Group 31 Slot 51
   B. Group 51 Slot 53
   C. Group 51 Slot 31
   D. Group 31 Slot 53

References: S-Series Communication Class; S-Series Field Support Class (Instructor-Led Training)
Objective: (662.4.6) Describe physical characteristics and limitations
Item: 662.4.6.c.1

39. What is the maximum number of I/O enclosures that can be connected to a processor enclosure on an S7x00 system in a Tetra 16 configuration?
   A. 16
   B. 32
   C. 36
   D. 40

References: S-Series Field Support Class (Instructor-Led Training)

Objective: (662.5.2) Describe the basic installation procedure (FastPath guide)
Item: 662.5.2.n.1

40. Prior to performing a SIT load, it is recommended to
   A. remove PMF 1
   B. disconnect the TSM console
   C. disconnect all system enclosures
   D. remove the $system-m

References: S-Series Field Support Class (Instructor-Led Training)

Objective: (662.5.2) Describe the basic installation procedure (FastPath guide)
Item: 662.5.2.x.1

41. In a fault-tolerant environment, how many Ethernet hubs are required to connect a primary and backup system consoles?
   A. 1
   B. 2
   C. 3
   D. 4

References: S-Series Planning and Configuration 424861-001, Guide Planning for LAN Communications, Planning for Remote Support (Dial-In and Dial-Out Capability)

Objective: (662.5.2) Describe the basic installation procedure (FastPath guide)
Item: 662.5.2.z.1

42. To insure optimum fault tolerance, how many SNDA adapters are required for a mirrored volume?
   A. 1
   B. 2
   C. 3
   D. 4

References: S-Series Field Support

NonStop Server Configuration and Planning (Exam 010-662)
Objective: (662.5.2) Describe the basic installation procedure (FastPath guide)

Item: 662.5.2.af.1

43. Which log can be viewed in the Common Event Viewer as well as $0?
   A. $HLOG
   B. $MLOG
   C. $ZLOG
   D. $OPRLOG

References:  TSM Online Users Guide 2 (CEV) Under Guided Replacement Toolkit help

Objective: (662.5.2) Describe the basic installation procedure (FastPath guide)

Item: 662.5.2.ak.1

44. Which file needs to be executed to activate the Guided Replacement Toolkit (GRT)?
   A. GR.BAT
   B. GR.EXE
   C. GRT.BAT
   D. GRT.EXE

References:  GRTool Reference Guide

Objective: (662.7.1) Describe the issues that need to be considered when migrating or upgrading system elements

Item: 662.7.1.c.1

45. What is the minimum NonStop Kernel operating system version that allows $system to be configured in any slot within Group 1?
   A. G06.05
   B. **G06.06**
   C. G06.07
   D. G06.08

References:  Support Note S9907, G06.06-G06.07 support compendium

Objective: (662.7.1) Describe the issues that need to be considered when migrating or upgrading system elements

Item: 662.7.1.j.1

46. Which NonStop Kernel operating system version is required for online system expansion?
   A. **G06.00 or later**
   B. G06.02 or later
   C. G06.04 or later
   D. G06.06 or later

References:  Server S-Series System Expansion and Reduction Guide - 424862-001
            Resizing a Himalaya S Series System, Prerequisites