

Final: CST8242 Network Operating Systems III Version 1

Winter 2016

Exam Time: 90 Minutes 14 Pages

Total Marks available: 100 Questions

Do NOT open this Test until told to do so by your Professor.

Instructions:

1. No notes, books, calculators or hand held electronic devices of any type are permitted. Backpacks should remain at the front of the class.
2. Write your **name** on the cover page of this test paper and on the SCANTRON sheet. Fill your name in using circles.
3. Mark the SCANTRON sheet using a #2 pencil with your answer to each multiple choice question. Erase completely to change your answer. Each question has one answer only. **Choose the best answer.**
4. It is recommended that you answer all multiple choice questions by first circling the correct item(s) (a, b, c, d) on the test paper and then transferring your answer to the SCANTRON sheet. This should reduce the number of erasures on the SCANTRON sheet and will provide a backup in the event that SCANTRON fails. You will not be getting the test paper back. *Be sure to leave yourself enough time to transfer all your answers to the SCANTRON sheet. This must be accomplished in the time allotted.*
5. **IMPORTANT NOTE:** In case of a difference between your answers to multiple choice questions on the test paper and the SCANTRON sheet, *the SCANTRON sheet will be taken as your final answer* (unless SCANTRON fails).
6. All multiple choice questions are worth one (1) mark each, no part marks
7. Immediately after being told to begin the exam by your Professor, check to make sure that your copy of the exam paper has all its pages as indicated in the footer at the bottom of each page. *Advise your Professor immediately if any pages are missing or incorrectly printed.*
8. As per Algonquin College policy, any student in contravention of the guidelines and rules on academic dishonesty will be given a mark of 0 (zero) on this exam, and may result in an *automatic failure* of the course and possible further disciplinary action by Algonquin College.
9. Once complete place your scan sheet inside your test paper and bring to the front of the class.
10. Immediately move away from the classroom when your test is completed.

NAME (Printed): _____

- 1) What is the Mail Flow Troubleshooter tool?
 - A) Problems related to mounting data stores.
 - B) Assist administrators in restoring server availability.
 - C) Checks the configuration and health of your Exchange organization.
 - D) Helps troubleshoot transport configuration.**

- 2) What four types of data are stored in Active directory?
 - A) Schema, Configuration, Domain, Application**
 - B) Schema, Forest, Domain, Application
 - C) Schema, Forest, Domain, Global
 - D) Schema, Global, Domain, Application

- 3) What does the Domain partition in Active Directory store?
 - A) Domain Names
 - B) None of the Choices
 - C) Users and Groups**
 - D) E-mail

- 4) What two types of connectors did we talk about in class?
 - A) Transmit and Receive
 - B) Schema and Domain
 - C) Edge and Default
 - D) Receive and Send**

- 5) Why would you use Edge Transport servers?
 - A) To protect your network.**
 - B) No such thing.
 - C) Must always use Edge Transport servers.
 - D) To speed up network performance.

- 6) What is the Database Troubleshooter tool?
 - A) Problems related to mounting data stores.**
 - B) Assist administrators in restoring server availability.
 - C) Checks the configuration and health of your Exchange organization.
 - D) Helps troubleshoot transport configuration.

- 7) What is the Performance Troubleshooter tool?
 - A) Displays only the bottlenecks relating to send and receive connectors.
 - B) Identifies bottlenecks and provides suggested solutions.**
 - C) Is used only during the installation of Exchange.
 - D) Displays only the size of the mail waiting in the queue.

- 8) How many databases can be setup in the enterprise edition of Exchange Server 2010?
- A) 5 Databases.
 - B) 16 Databases.
 - C) 50 Databases.
 - D) 100 Databases.**
- 9) How do you change from standard edition to enterprise edition?
- A) Change the license key.**
 - B) You cannot change without reinstalling.
 - C) Change the CALL.
 - D) Change in Exchange Management Console.
- 10) What is the Public Folder Management Console?
- A) Manage public folders with graphical interface.**
 - B) Allows the creation of a folder that users outside of your organization can access.
 - C) Allows the creation of users mail accounts that reside outside your Organization.
 - D) None of the choices.
- 11) What is the Routing Log Viewer tool?
- A) Troubleshoot routing problems on transport servers.**
 - B) Displays static and dynamic routes and allows you to add static routes.
 - C) Displays static and dynamic routes and allows you to add dynamic routes.
 - D) Displays static and dynamic routes.
- 12) What is the Message Tracking tool?
- A) Tracks messages as they are routed through the Exchange Organization and Internet.
 - B) Tracks messages as they are routed through Exchange Organization.**
 - C) Tracks messages as they are routed through the Internet.
 - D) No such tool.
- 13) What Windows tool on the task bar was used to install IIS?
- A) Add Remove Programs
 - B) Programs and Features
 - C) Programs and Rolls
 - D) Server Manager**
- 14) What is the Queue Viewer tool?
- A) Used to view who has rights to the queue.
 - B) Displays installation statistics of Exchange.
 - C) Used to track messages and mail flow.**
 - D) Used to read the body of users messages sitting in the queue.
- 15) Which of the following is not a special purpose mailbox in Exchange 2010?
- A) Building**
 - B) Equipment
 - C) Linked
 - D) Forwarding

- 16) Databases are associated to storage groups in Exchange Server 2010.
- A) True
 - B) False**
- 17) What is a Linked Mailbox?
- A) A mailbox that is attached to two or more users.
 - B) A mailbox that can have higher quotas than the default settings.
 - C) Mailbox for a user from a separate, trusted forest.**
 - D) Mailbox for a user that does not use Exchange.
- 18) What is the difference between a standard CAL and an enterprise CAL?
- A) Enterprise License needed for VOIP
 - B) Enterprise License needed for e-mail
 - C) Enterprise CAL's do not exist
 - D) Enterprise License needed for Unified Messaging**
- 19) What is an on-premise implementation of Exchange 2010?
- A) An installation service provided by Microsoft.
 - B) Not an option in Exchange 2010.
 - C) One you install at your organization.**
 - D) A subscription service from Microsoft.
- 20) What is connection filtering?
- A) Restrict Users by User Name.
 - B) Restrict Users by E-mail Address.
 - C) Identify spam.
 - D) IP Block lists and IP Allow lists.**
- 21) How do you produce high availability in Exchange 2010?
- A) The feature was removed as of Exchange Server 2007.
 - B) Install multiple servers running Exchange Server 2010.**
 - C) Install on a server with RAID.
 - D) Select high availability option during installation.
- 22) What is Sender ID verification?
- A) Routes all mail to DNS server.
 - B) Uses Security Certificate to verify user.
 - C) Examines the senders IP.**
 - D) Verifies address is in your allow list.
- 23) What is Forefront?
- A) A firewall for Exchange.
 - B) A receive connector that resides before your firewall.
 - C) Scans for Malware.**
 - D) None of the choices.

- 24) What connectors are created by default in Exchange?
- A) Edge
 - B) Transmit
 - C) Send
 - D) Receive**
- 25) What is content filtering?
- A) IP Block lists and IP Allow lists.
 - B) Redirect mail to correct account based on content.
 - C) Block confidential information from unauthorized recipients.
 - D) Identify spam.**
- 26) What is an Archive Mailbox?
- A) Stores mail when a users account is deleted.
 - B) Used to store a users old messages.**
 - C) Stores mail formatted for older versions of Exchange.
 - D) No such type of mailbox.
- 27) What does listening on All IP address's do in server properties?
- A) Overrides listening on only selected IP Address's and allows listening on all IP address's.**
 - B) Opens up all Firewall Ports needed for Exchange.
 - C) Overrides listening on only selected IP Address's in Exchange.
 - D) Not an option.
- 28) What was one of the forwarder setup in the project?
- A) 172.16.89.100
 - B) 172.16.90.100
 - C) 172.16.89.3**
 - D) 172.16.255.114
- 29) What is the Details Templates Editor tool?
- A) Customizes client-side GUI.**
 - B) A tool used to create users.
 - C) Shows a detailed view of all users settings.
 - D) Shows a detailed view of all queued mail.
- 30) How do you disable IPV6 in the registry?
- A) Create DWORD called DisableComponent.
 - B) Create DWORD called DisableComponents.
 - C) Create DWORD called DisabledComponents.**
 - D) Create DWORD called DisabledComponent.
- 31) When is failover automatic for mailbox databases?
- A) Databases that are part of the same storage group.
 - B) Databases that have log files configured for the database.
 - C) Failover is never automatic.
 - D) Databases that are part of the same database availability group.**

- 32) What are the rules for database availability groups in Enterprise version of Exchange 2010?
- A) Each mailbox server can have up to 5 databases.
 - B) Each mailbox server can have up to 16 databases.
 - C) Each mailbox server can have up to 50 databases.**
 - D) Each mailbox server can have up to 100 databases.
- 33) Is the schema modified when you install Exchange for the first time?
- A) Yes**
 - B) No
- 34) What are CAL's?
- A) Corporate Access License
 - B) Client Account License
 - C) Client Access License**
 - D) Corporate Access License
- 35) What is the Performance Monitor tool?
- A) Used to create performance logs and alerts.**
 - B) Identifies bottlenecks and provides suggested solutions.
 - C) Tracks user performance in an Exchange Organization.
 - D) None of the choices.
- 36) What is the Best Practices Analyzer tool?
- A) Helps troubleshoot transport configuration.
 - B) Problems related to mounting data stores.
 - C) Assist administrators in restoring server availability.
 - D) Checks the configuration and health of your Exchange organization.**
- 37) What is the Database Recovery Management tool?
- A) Helps troubleshoot transport configuration.
 - B) Problems related to mounting data stores.
 - C) Assists administrators in restoring server availability.**
 - D) Checks the configuration and health of your Exchange organization.
- 38) What is 127.0.0.1?
- A) Red Network IP
 - B) Blue Network IP
 - C) Gateway
 - D) Loopback Address**
- 39) What was your netbios domain name in the lab?
- A) server???.dm???.cst8242.com
 - B) mail.dm???.cst8242.com
 - C) dm???.cst8242.com
 - D) dm???**

- 40) What did we set your DNS suffix to?
- A) server???.dm???.cst8242.com
 - B) mail.dm???.cst8242.com
 - C) dm???.cst8242.com**
 - D) dm???
- 41) What was the Exchange Organization name set to in the lab?
- A) dm???.abcd0123 Organization**
 - B) dm???.cst8242.com
 - C) server???.dm???.cst8242.com
 - D) dm???.abcd0123
- 42) What did we enter for the “Client Access server role will be internet-facing”?
- A) server???.dm???.cst8242.com
 - B) mail.dm???.cst8242.com**
 - C) dm???.cst8242.com
 - D) internet
- 43) What warning did we not fix?
- A) Setup /PrepareAD**
 - B) Setup /InstallAD
 - C) Setup /PrepAD
 - D) Setup /FixAD
- 44) What are the rules for database availability groups?
- A) Each database can have up to 5 mailbox servers.
 - B) Each database can have up to 16 mailbox servers.**
 - C) Each database can have up to 50 mailbox servers.
 - D) Each database can have up to 100 mailbox servers.
- 45) What is Exchange 2010 a comprehensive solution for?
- A) Video Text Messages
 - B) VOIP
 - C) Faxes
 - D) e-mail, VOIP, contacts, calendar information**
- 46) What does “Import-Module ServerManager” do?
- A) Installs server manager GUI.
 - B) Imports settings into ServerManager interface.
 - C) Imports Server Manager command line interface into PowerShell.**
 - D) None of the choices.
- 47) What is a Forwarding Mailbox?
- A) Receives mail and forwards onsite to multiple E-mail accounts.
 - B) Receives mail and forwards to a single internal user.
 - C) Receives mail and forwards offsite.**
 - D) Receives mail and forwards to another user when a user is away.

- 48) What does "Add-WindowsFeature" do?
- A) Can be used to add features via PowerShell.
 - B) Can be used to add roles and / or features via PowerShell.**
 - C) Can be used to add roles via PowerShell.
 - D) Not a valid PowerShell command.
- 49) What does "Set-Service" do?
- A) Turns Internet on.
 - B) Turns External Mail access on in Exchange.
 - C) Can change the startup type for Services via PowerShell.**
 - D) Not a valid PowerShell command.
- 50) Under what heading in Exchange Management Console do you create an SMTP send connector?
- A) Server Configuration / Hub Transport
 - B) Organization Configuration / Hub Transport**
 - C) Recipient Configuration / Hub Transport
 - D) User Configuration / Hub Transport
- 51) Under what heading in Exchange Management Console do you create a receive connector?
- A) Server Configuration / Hub Transport**
 - B) Organization Configuration / Hub Transport
 - C) Recipient Configuration / Hub Transport
 - D) User Configuration / Hub Transport
- 52) Under what heading in Exchange Management Console do you create a user mailbox?
- A) Server Configuration / Mailbox
 - B) Organization Configuration / Mailbox
 - C) Recipient Configuration / Mailbox**
 - D) User Configuration / Mailbox
- 53) What is STARTTLS?
- A) A command to activate TLS from the power shell
 - B) No such thing, it is STARTLS
 - C) A proprietary version of TLS used only by Microsoft Exchange
 - D) A way to upgrade a plain text connection to an encrypted connection**
- 54) What is Kerberos?
- A) A computer network authentication protocol**
 - B) The only method Microsoft Windows uses for authentication
 - C) An authentication method that is used only for e-mail
 - D) None of the above
- 55) What is NTLM?
- A) It stands for New Technology Link Manager
 - B) A suite of security protocols that provides authentication to users**
 - C) A newer protocol that replaces POP and IMAP in an Exchange environment
 - D) None of the above

- 56) Under what default policy in Group Policy Management do you configure Allow log on locally?
- A) Default User Policy
 - B) Default Admin Policy
 - C) Default Domain Policy
 - D) Default Domain Controllers Policy**
- 57) What is the partial path to Allow log on locally in Group Policy Management?
- A) Computer Configuration / Policies / Windows Settings / Security Settings / Local Policies
 - B) User Configuration / Policies / Windows Settings / Security Settings / Local Policies
 - C) Policies / Computer Configuration / Windows Settings / Security Settings / Local Policies**
 - D) Policies / User Configuration / Windows Settings / Security Settings / Local Policies
- 58) How do you install the Telnet Client in Windows 2008 Server?
- A) Under Server Manager / Roles
 - B) Under Server Manager / Features**
 - C) Under Add Remove Programs in control panel
 - D) It is built in and does not need to be installed
- 59) What is the difference between POP3 and IMAP4?
- A) IMAP4 displays messages but the message remains on the server until deleted**
 - B) IMAP4 downloads the message from the server locally, freeing up space on the server
 - C) POP3 is for receiving messages, and IMAP4 is for sending messages
 - D) POP3 always leaves a copy of the message on the server, allowing you to access remotely
- 60) What port does IMAP4 use?
- A) 25
 - B) 80
 - C) 110
 - D) 143**
- 61) What port does POP3 use?
- A) 25
 - B) 80
 - C) 110**
 - D) 143
- 62) Under what location can you move a database in Exchange Management Console?
- A) Server Configuration / Mailbox
 - B) Organization Configuration / Mailbox**
 - C) Recipient Configuration / Mailbox
 - D) User Configuration / Mailbox
- 63) Under what location can you mount / dismount a database in Exchange Management Console?
- A) Server Configuration / Mailbox
 - B) Organization Configuration / Mailbox**
 - C) Recipient Configuration / Mailbox
 - D) User Configuration / Mailbox

- 64) Where do you adjust storage quotas for a specific user in Exchange Management Console?
- A) Server Configuration / Mailbox
 - B) Organization Configuration / Mailbox
 - C) Recipient Configuration / Mailbox
 - D) User Configuration / Mailbox
- 65) What is 'issue warning at' in Exchange Management Console?
- A) Sends the Administrator an e-mail when a user's mailbox reaches a certain size
 - B) Sends the user an e-mail when the user's mailbox reaches a certain size
 - C) Sends the sender an e-mail notifying the sender that the recipient is low on space
 - D) None of the above
- 66) What is 'prohibit send at' in Exchange Management Console?
- A) Disables sending of mail when the user is low on disk space
 - B) Disables sending and receiving of mail when the user is low on disk space
 - C) Disables sending mail during specific times of the day
 - D) None of the above
- 67) What is 'prohibit send and receive at' in Exchange Management Console?
- A) Disables sending of mail when the user is low on disk space
 - B) Disables sending and receiving of mail when the user is low on disk space
 - C) Disables sending and receiving mail during specific times of the day
 - D) None of the above
- 68) A user went into their mailbox and deleted a message from a month ago. The same day they asked their Administrator to recover the message. Would an Administrator be able to recover the e-mail? Assume default configuration of Exchange.
- A) Yes
 - B) No
- 69) A user went into their mailbox and deleted a message from a month ago. They then emptied the deleted items folder. The same day they asked their Administrator to recover the message. Would an Administrator be able to recover the e-mail? Assume default configuration of Exchange.
- A) Yes
 - B) No
- 70) If a user is accidentally deleted in ADUC and then instantly recreated in ADUC, would they have access to their original e-mail? Could the administrator fix this problem if this was the case?
- A) Yes they would have access
 - B) No they would not have access and the administrator could not fix the problem
 - C) No they would not have access but the administrator could fix the problem
 - D) You cannot delete users in ADUC who have e-mail in their inbox
- 71) Under what control panel applet do you change the computer name?
- A) Network and Sharing Center
 - B) System
 - C) Device Manager
 - D) Network

- 72) What type of records did we create in the reverse lookup zone of DNS?
- A) A Records
 - B) MX Records
 - C) PTR Records**
 - D) CNAME Records
- 73) What type of records beside A records did we create in the forward lookup zone?
- A) MX Records**
 - B) PTR Records
 - C) CNAMED Records
 - D) TXT Records
- 74) What is the address 8.8.8.8?
- A) Algonquin's DNS server
 - B) Google's DNS server**
 - C) Doug's DNS server
 - D) Microsoft's DNS server
- 75) What was your computer name and domain name in the project for your lower IP address server?
- A) Server???.pr???.cst8242.com
 - B) Server???.dm???.cst8242.com
 - C) Serverproj???.dm???.cst8242.com
 - D) Serverproj???.pr???.cst8242.com**
- 76) What was li's e-mail address in the project?
- A) Sue???.pr???.cst8242.com
 - B) liABCD0123@serverproj???.pr???.cst8242.com
 - C) liABCD0123@pr???.cst8242.com**
 - D) sueli@pr???.cst8242.com
- 77) What container (OU) was Li created in?
- A) projABCD0123
 - B) contABCD0123**
 - C) usersABCD0123
 - D) userABCD0123
- 78) How do you prevent a group policy from being applied to one specific user in a container?
- A) Deny apply group policy**
 - B) Give the user Full Control
 - C) Block policy inheritance for the one user
 - D) Assign them to the Domain Admins group
- 79) What is the difference between published and assigned applications?
- A) Published applications are resilient
 - B) Assigned applications are resilient**

- 80) What type of path starts with \\servername\sharename?
- A) Absolute
 - B) Relative
 - C) UNC**
 - D) Distinguished
- 81) What group policy management tab do you go to when you want a newer version of a package to replace an older existing package of the same software?
- A) Deployment
 - B) Modifications
 - C) Packages
 - D) Upgrades**
- 82) When you delete the last link to an OU, does a GPO disappear in Server 2008?
- A) Yes
 - B) No**
- 83) How do you disable IPV6 in the registry?
- A) Modify 'DisableComponents'
 - B) Modify 'DisableComponent'
 - C) Modify 'DisabledComponents'**
 - D) Modify 'DisabledComponent'
- 84) What three roles did we install when configuring exchange 2010?
- A) Hub Transport, Client Access, Mailbox**
 - B) Server Transport, Client Access, Mailbox
 - C) Recipient, Server, Organization
 - D) Recipient, Organization, Transport
- 85) What does it mean by non-authoritative answer in DNS?
- A) Result not returned by an Administrator
 - B) A cached response was received from a DNS server that received its information from another**
 - C) Result returned because server was unreachable
 - D) None of the above
- 86) What does cost do when configuring an SMTP send connector?
- A) A lower cost connector is used when two send connectors could resolve the request**
 - B) A higher cost connector is used when two send connectors could resolve the request
- 87) What two mailbox features did we not enable for a user?
- A) Edge, Transport
 - B) Edge, Forefront
 - C) Transport, Unified Messaging
 - D) Unified Messaging, Archiving**

- 88) What is the URL to open OWA in Internet Explorer?
- A) http://127.0.0.1/owa
 - B) http://127.0.0.1/
 - C) https://127.0.0.1/owa**
 - D) https://127.0.0.1
- 89) What is the Exchange Shell command to change port from 25 to 2525 for a send connector?
- A) Set -SendConnector -Identity "SMTP" -Port:2525
 - B) Set-SendConnector -Identity "SMTP" -Port:2525**
 - C) Set -Connector -Identity "SMTP" -Port:2525
 - D) Set-Connector -Identity "SMTP" -Port:2525
- 90) What is the Exchange Shell command to create a new exchange database?
- A) new-mailboxdatabase**
 - B) new -mailboxdatabase
 - C) new-database
 - D) new -database
- 91) What is the Exchange shell command to create a new mailbox for a user?
- A) new -mailbox
 - B) new -usermailbox
 - C) new-mailbox**
 - D) new-usermailbox
- 92) What would you type to see if Exchange connector works for port 25?
- A) telnet server???.dm???.cst8242.com
 - B) telnet server???.dm???.cst8242.com 25**
 - C) telnet dm???.cst8242.com
 - D) telnet dm???.cst8242.com 25
- 93) What might cause all Exchange services to be disabled?
- A) Exchange not installed
 - B) Server not rebooted
 - C) Failed RollUp installation**
 - D) Insufficient memory
- 94) Hub transport does not run in a timely manner. What may cause this during installation?
- A) Improper IPV6 configuration**
 - B) Insufficient memory
 - C) Insufficient disk space
 - D) Server not rebooted
- 95) Mail sits in the drafts folder of OWA after sending. What may cause this?
- A) Insufficient permissions for the user to send mail
 - B) Wrong e-mail address
 - C) Two many windows open at one time
 - D) Insufficient disk space**

- 96) What causes mail not to be able to be received from an outside domain, when you have done a fresh install of Exchange?
- A) You did not install SMTP under roles
 - B) Anonymous users not checked off under permission groups
 - C) You did not install SMTP under features
 - D) Too many process are running on the server
- 97) Exchange requires a large amount of RAM memory to run efficiently.
- A) True
 - B) False
- 98) You should always have a minimum of two Exchange servers running in an organization.
- A) True
 - B) False
- 99) Does the Calendar function of Exchange require an Enterprise license?
- A) Yes
 - B) No
- 100) Does the Archive function of Exchange require an Enterprise license?
- A) Yes
 - B) No