Exam Code: 1T6-511

Exam Name: Network Analysis & Troubleshooting

Vendor: Network General Corp

Version: DEMO

Part: A

1: To save a trace file as a compressed file from the Sniffer you must use the extension:

A.CAP

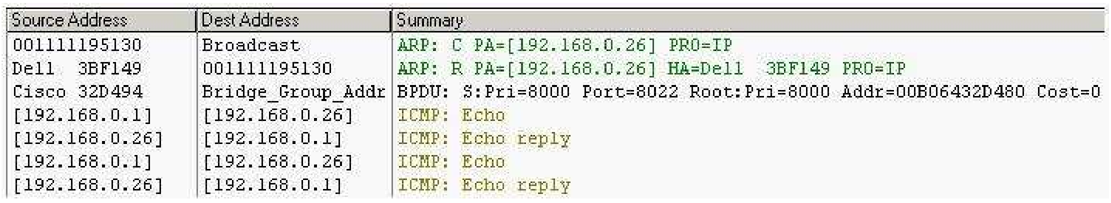
B.zip

C.enc

D.caz

Correct Answers: D

2: This is a screen from the Decode Summary window.



Source Address	Dest Address	Summary
001111195130	Broadcast	ARP: C PA=[192.168.0.26] PRO=IP
Dell 3BF149	001111195130	ARP: R PA=[192.168.0.26] HA=Dell 3BF149 PRO=IP
Cisco 32D494	Bridge_Group_Addr	BPDU: S:Pri=8000 Port=8022 Root:Pri=8000 Addr=00B06432D480 Cost=0
[192.168.0.1]	[192.168.0.26]	ICMP: Echo
[192.168.0.26]	[192.168.0.1]	ICMP: Echo reply
[192.168.0.1]	[192.168.0.26]	ICMP: Echo
[192.168.0.26]	[192.168.0.1]	ICMP: Echo reply

Which of the following statements is true for this capture?

A.192.168.0.1 initiated a ping

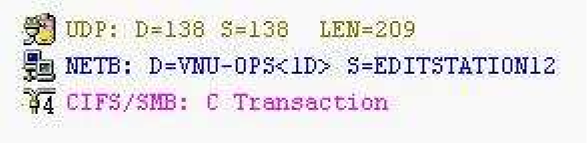
B.192.168.0.26 initiated a ping

C.192.168.0.26 has a MAC address of 001111195130

D.192.168.0.1 should not repeat the ICMP: Echo

Correct Answers: A

3: This is the Detail window for this question.



```
UDP: D=138 S=138  LEN=209
NETB: D=VNU-OPS<1D> S=EDITSTATION12
CIFS/SMB: C Transaction
```

Which of the following statements is true for this Decode Detail window?

A.One of the UDP ports should be ephemeral

B.UDP is the Station layer protocol

C.NETB is the Connection layer protocol

D.UDP is the Transport layer protocol

Correct Answers: D

4: When troubleshooting a slow application, which of the following could be indicators of an application-specific problem?

A.Commands with timely responses

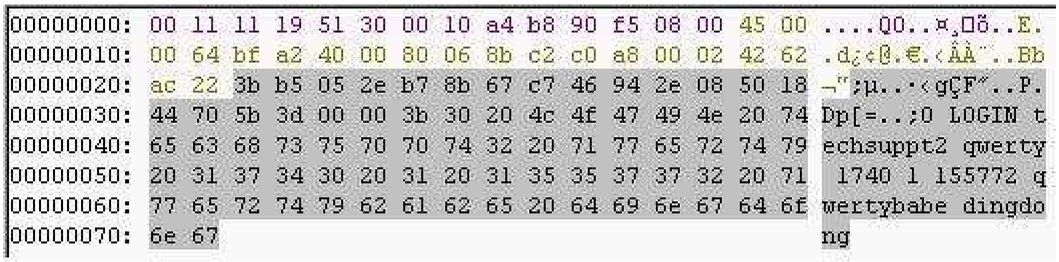
B.Large or full-size frames

C.Long Delta times before each client request

D.None of the above

Correct Answers: D

5: This is the Decode Hex window for this question.



```
00000000: 00 11 11 19 51 30 00 10 a4 b8 90 f5 08 00 45 00 ....Q0..¤¸□õ..E.
00000010: 00 64 bf a2 40 00 80 06 8b c2 c0 a8 00 02 42 62 .d¿¢@.€.‹ÂÀ¨..Bb
00000020: ac 22 3b b5 05 2e b7 8b 67 c7 46 94 2e 08 50 18 ¬";µ..·‹gÇF"..P.
00000030: 44 70 5b 3d 00 00 3b 30 20 4c 4f 47 49 4e 20 74 Dp[=..;0 LOGIN t
00000040: 65 63 68 73 75 70 70 74 32 20 71 77 65 72 74 79 echsuppt2 qwerty
00000050: 20 31 37 34 30 20 31 20 31 35 35 37 37 32 20 71  1740 1 155772 q
00000060: 77 65 72 74 79 62 61 62 65 20 64 69 6e 67 64 6f wertybabe dingdo
00000070: 6e 67                                           ng
```

If you were going to create a Data Pattern filter on LOGIN it would be helpful to know that the letter is at offset __________.

A.38

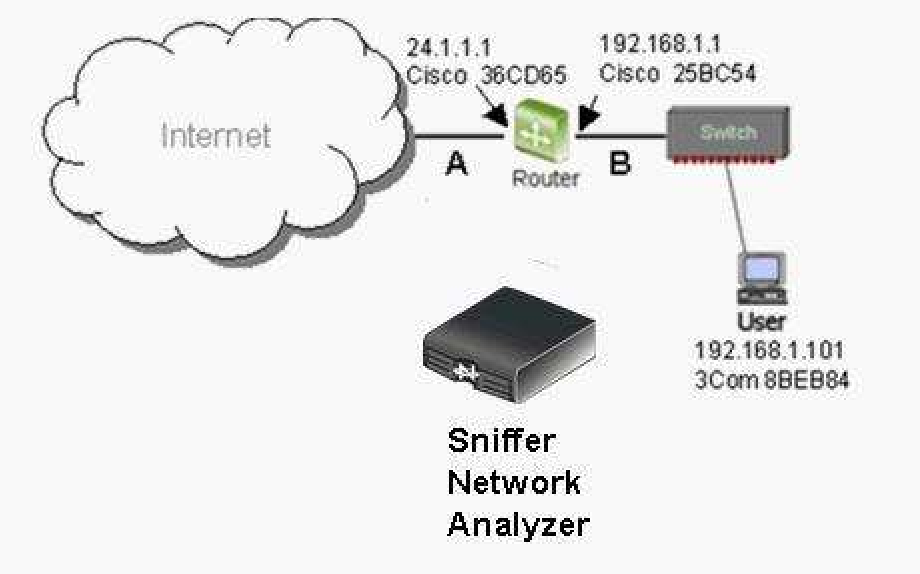
B.39

C.3A

D.3B

Correct Answers: B

6: This is the network map.



If a Sniffer Network Analyzer captured a frame at point A going from User to a server somewhere on the Internet, that frame would contain: (Choose all that apply.)

A.An IP destination address of 24.1.1.1

B.An IP destination address of the server

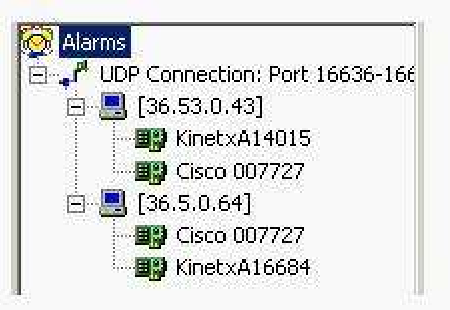
C.A DLC destination address of Cisco 36CD65

D.A DLC source address of Cisco 36CD65

E.An IP source address of 192.168.1.101

Correct Answers: B D E

7: This is a screen from the Expert Objects detail.



Alarms

UDP Connection: Port 16636-166

[36.53.0.43]

KinetxA14015

Cisco 007727

[36.5.0.64]

Cisco 007727

KinetxA16684

Which of the following statements are true for this Object detail screen? (Choose all that apply.)

A.This is the detail for a Duplicate IP Address alarm

B.This is the detail for a Local Routing alarm

C.KinetxA14015 is a robable Prouter

D.This is the detail for a Window Exceeded alarm

E.This is a connectionless Conversation

Correct Answers: B E

8: The only frame type that contains a DLC Ethertype field is:

A.Novell Law frame

B.Ethernet version two

C.802.3 frame

D.802.3 with SNAP

Correct Answers: B

9: Which of the following protocols are summarized when the Expert Overview pane and Station layer are selected?

A.ARP, Ethernet, Cisco CDP

B.ICMP. IP, IPX

C.TCP, UDP

D.NetBIOS, SMB

Correct Answers: B

10: Which of the following best describes the function of the Transport layer of the OSI Reference Model?

A.Packet framing

B.Reports upper-layer errors

C.Connection management

D.Manages user sessions

Correct Answers: C

11: OSI layer 4 is concerned with __________.

A.ACKs and flow control working correctly

B.Routing or frame delivery

C.Connections working correctly

D.Physical problems

Correct Answers: A

12: The OSI Transport layer corresponds to the Expert __________ layer.
A.Data Link
B.Connection
C.Session
D.Network
Correct Answers: B

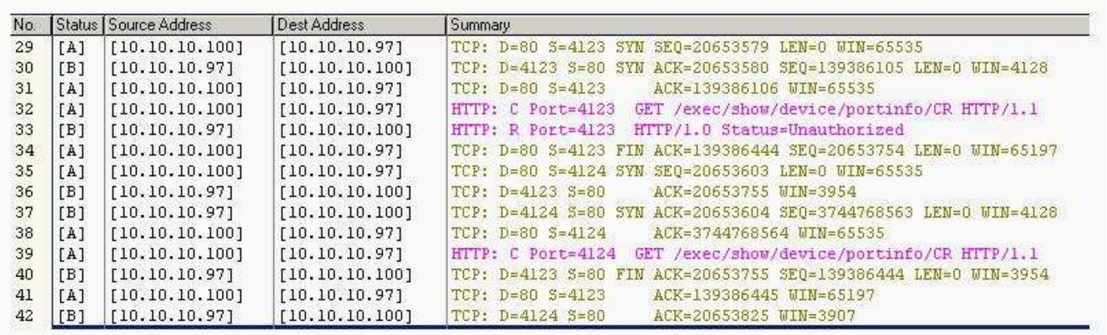
13: Which of the following resources in the Sniffer is useful in identifying the endpoints in conversations in a captured trace?
A.Expert DLC Layer Summary
B.Pattern Match filter
C.Matrix
D.All of the above
Correct Answers: C

14: A sound troubleshooting methodology includes as part of the process a focus on finding imbalances or errors.
A.TRUE
B.FALSE
Correct Answers: A

15: Which of the following is recommended as part of the troubleshooting methodology?
A.Use the Expert and Summary window first
B.Use the Detail window first
C.Use a top-down approach
D.Use the Hex window first
Correct Answers: A

16: The interframe spacing in Fast Ethernet is __________.
A.9.6 milliseconds
B.96.0 nanoseconds
C..96 microseconds
D..96 milliseconds
Correct Answers: C

17: This is the Summary window for this question.



No.	Status	Source Address	Dest Address	Summary
29	[A]	[10.10.10.100]	[10.10.10.97]	TCP: D=80 S=4123 SYN SEQ=20653579 LEN=0 WIN=65535
30	[B]	[10.10.10.97]	[10.10.10.100]	TCP: D=4123 S=80 SYN ACK=20653580 SEQ=139386105 LEN=0 WIN=4128
31	[A]	[10.10.10.100]	[10.10.10.97]	TCP: D=80 S=4123 ACK=139386106 WIN=65535
32	[A]	[10.10.10.100]	[10.10.10.97]	HTTP: C Port=4123 GET /exec/show/device/portinfo/CR HTTP/1.1
33	[B]	[10.10.10.97]	[10.10.10.100]	HTTP: R Port=4123 HTTP/1.0 Status=Unauthorized
34	[A]	[10.10.10.100]	[10.10.10.97]	TCP: D=80 S=4123 FIN ACK=139386444 SEQ=20653754 LEN=0 WIN=65197
35	[A]	[10.10.10.100]	[10.10.10.97]	TCP: D=80 S=4124 SYN SEQ=20653603 LEN=0 WIN=65535
36	[B]	[10.10.10.97]	[10.10.10.100]	TCP: D=4123 S=80 ACK=20653755 WIN=3954
37	[B]	[10.10.10.97]	[10.10.10.100]	TCP: D=4124 S=80 SYN ACK=20653604 SEQ=3744768563 LEN=0 WIN=4128
38	[A]	[10.10.10.100]	[10.10.10.97]	TCP: D=80 S=4124 ACK=3744768564 WIN=65535
39	[A]	[10.10.10.100]	[10.10.10.97]	HTTP: C Port=4124 GET /exec/show/device/portinfo/CR HTTP/1.1
40	[B]	[10.10.10.97]	[10.10.10.100]	TCP: D=4123 S=80 FIN ACK=20653755 SEQ=139386444 LEN=0 WIN=3954
41	[A]	[10.10.10.100]	[10.10.10.97]	TCP: D=80 S=4123 ACK=139386445 WIN=65197
42	[B]	[10.10.10.97]	[10.10.10.100]	TCP: D=4124 S=80 ACK=20653825 WIN=3907

Which frames are part of the session close process in this example?　(Choose all that apply.)

A.34

B.36

C.38

D.40

E.41

Correct Answers: A B D E

18: In the Sniffer Expert interface, the Service layer objects relate to which layer of the OSI reference model?

A.Application layer

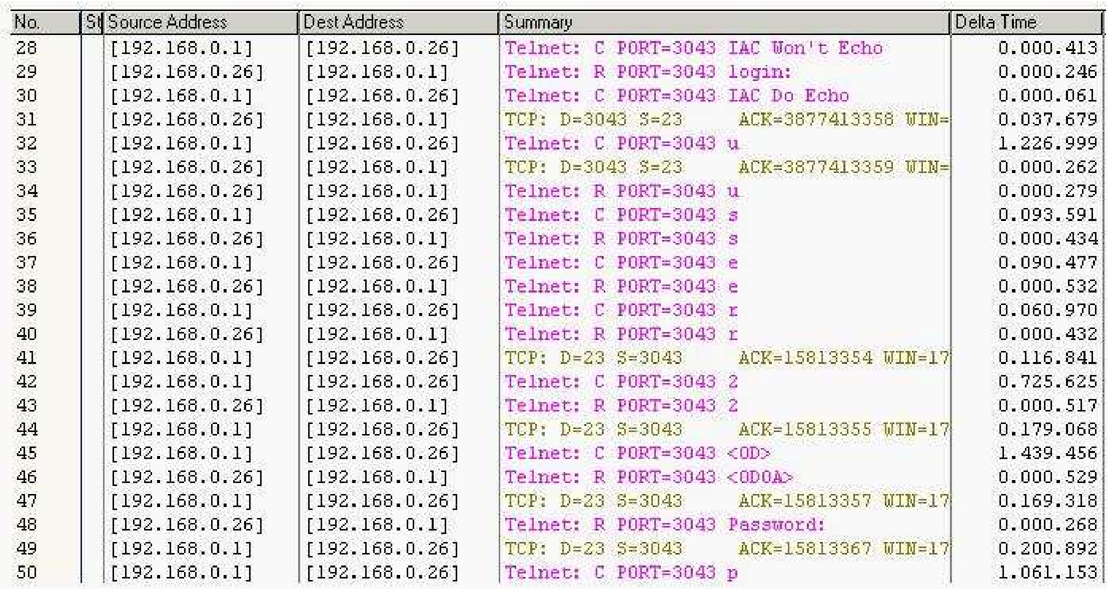
B.Presentation layer

C.Session layer

D.Transport layer

Correct Answers: A

19: This is the Summary window for this question.



No.	St	Source Address	Dest Address	Summary	Delta Time
28		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 IAC Won't Echo	0.000.413
29		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 login:	0.000.246
30		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 IAC Do Echo	0.000.061
31		[192.168.0.26]	[192.168.0.1]	TCP: D=3043 S=23 ACK=3877413358 WIN=	0.037.679
32		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 u	1.226.999
33		[192.168.0.26]	[192.168.0.1]	TCP: D=3043 S=23 ACK=3877413359 WIN=	0.000.262
34		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 u	0.000.279
35		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 s	0.093.591
36		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 s	0.000.434
37		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 e	0.090.477
38		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 e	0.000.532
39		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 r	0.060.970
40		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 r	0.000.432
41		[192.168.0.1]	[192.168.0.26]	TCP: D=23 S=3043 ACK=15813354 WIN=17	0.116.841
42		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 2	0.725.625
43		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 2	0.000.517
44		[192.168.0.1]	[192.168.0.26]	TCP: D=23 S=3043 ACK=15813355 WIN=17	0.179.068
45		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 <OD>	1.439.456
46		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 <ODOA>	0.000.529
47		[192.168.0.1]	[192.168.0.26]	TCP: D=23 S=3043 ACK=15813357 WIN=17	0.169.318
48		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 Password:	0.000.268
49		[192.168.0.1]	[192.168.0.26]	TCP: D=23 S=3043 ACK=15813367 WIN=17	0.200.892
50		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 p	1.061.153

Examine this capture closely.　Which statement is true?

A.This appears to be a ormal Telnet session

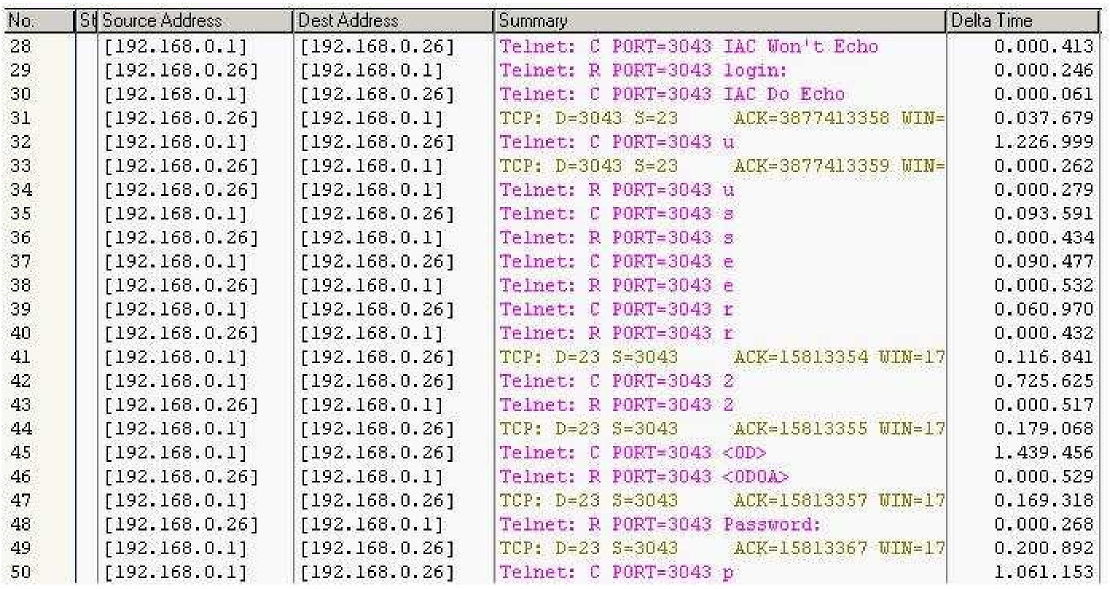
B.Telnet is a session layer protocol

C.The delta times in frames 32, 45, and 50 would warrant investigation

D.None of the above

Correct Answers: A

20: This is the Summary window for this question.



No.	St	Source Address	Dest Address	Summary	Delta Time
28		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 IAC Won't Echo	0.000.413
29		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 login:	0.000.246
30		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 IAC Do Echo	0.000.061
31		[192.168.0.26]	[192.168.0.1]	TCP: D=3043 S=23 ACK=3877413358 WIN=	0.037.679
32		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 u	1.226.999
33		[192.168.0.26]	[192.168.0.1]	TCP: D=3043 S=23 ACK=3877413359 WIN=	0.000.262
34		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 u	0.000.279
35		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 s	0.093.591
36		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 s	0.000.434
37		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 e	0.090.477
38		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 e	0.000.532
39		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 r	0.060.970
40		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 r	0.000.432
41		[192.168.0.1]	[192.168.0.26]	TCP: D=23 S=3043 ACK=15813354 WIN=17	0.116.841
42		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 2	0.725.625
43		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 2	0.000.517
44		[192.168.0.1]	[192.168.0.26]	TCP: D=23 S=3043 ACK=15813355 WIN=17	0.179.068
45		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 <0D>	1.439.456
46		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 <0D0A>	0.000.529
47		[192.168.0.1]	[192.168.0.26]	TCP: D=23 S=3043 ACK=15813357 WIN=17	0.169.318
48		[192.168.0.26]	[192.168.0.1]	Telnet: R PORT=3043 Password:	0.000.268
49		[192.168.0.1]	[192.168.0.26]	TCP: D=23 S=3043 ACK=15813367 WIN=17	0.200.892
50		[192.168.0.1]	[192.168.0.26]	Telnet: C PORT=3043 p	1.061.153

Examine this capture closely.   Expert display is disabled.   Which statement is true?

A.Telnet is a session layer protocol

B.The user at 192.168.0.1 would complain of slow response

C.The delta times in frames 32, 45, and 50 would warrant investigation

D.None of the above

Correct Answers: D