CCNA Interviews questions Papers:

Select the correct statements about PPP and SLIP for WAN communications?

\* PPP uses its Network Control Programs (NCPs) component to encapsulate multiple protocols.

\* PPP can only transport TCP/IP

\* SLIP can only transport TCP/IP.

\* SLIP uses its Network Control Programs (NCPs) component to encapsulate multiple protocols.

Correct answer: A & C

87a Which protocol for PPP LCP (Link Control Protocol) performs a challenge handshake?

\* CHAP

\* PAP

\* UDP

\* IPX

Correct answer: A

87b Which form of PPP error detection on Cisco routers monitors data dropped on a link?

\* Quality

\* Magic Number

\* Error Monitor

\* Droplink

Correct answer: A

The Quality protocol monitors data dropped on a link. Magic Number avoids frame looping.

Which protocol for PPP provides load balancing across multiple links?

\* Multilink Protocol (MP)

\* Quality

\* Magic Number

\* Stacker

\* Predictor

Correct answer: A

As the system administrator, you type “ppp authentication chap pap secret”. Which authentication method is used first in setting up a session?

\* secret

\* PAP

\* CHAP

\* PPP/SLIP

Correct answer: C

Select the compression protocols for PPP?

\* Stac

\* Predictor

\* Quality

\* Magic Number

Correct answer: A & B

What are the three phases of PPP session establishment?

\* Link establishment phase

\* Authentication phase

\* Network layer protocol phase

\* Handshake phase

\* Dial-in phase

Correct answer: A, B & C

What is the default IPX Ethernet encapsulation?

\* SNAP

\* Arpa

\* 802.2

\* Novell-Ether

\* SAP

Correct answer: D

What must be true for two Routers running IGRP to communicate their routes?

\* Same autonomous system number

\* Connected using Ethernet only

\* Use composite metric

D)Configured for PPP

Correct answer: A

The following is partial output from a routing table, identify the 2 numbers in the square brackets; ‘192.168.10.0 [100/1300] via 10.1.0.1, 00:00:23, Ethernet1′

\* 100 = metric, 1300 = administrative distance

\* 100 = administrative distance, 1300 = hop count

\* 100 = administrative distance, 1300 = metric

\* 100 = hop count, 1300 = metric

Correct answer: C

Identify 3 methods used to prevent routing loops?

\* Split horizon

\* Holddown timers

\* Poison reverse

\* SPF algorithm

\* LSP’s

Correct answer: A B C

Which statement is true regarding full duplex?

\* Allows for transmission and receiving of data simultaneously

\* Only works in a multipoint configuration

\* Does not affect the bandwidth

\* Allows for transmission and receiving of data but not a the same time

Correct answer: A

Full duplex is just the opposite of half duplex. It handles traffic in both directions simultaneously.

Identify the switching method that receives the entire frame then dispatches it?

\* Cut-through

\* Receive and forward

\* Store and forward

\* Fast forward

Correct answer: C

Store and forward switching receives the entire frame before dispatching it.

98Identify the purpose of ICMP?

\* Avoiding routing loops

\* Send error and control messages

\* Transporting routing updates

\* Collision detection

Correct answer: B

ICMP is used to send error and control messages. Ping uses ICMP to carry the echo-request and echo-reply.

99Which statement is true regarding the user exec and privileged exec mode?

\* The ‘?’ only works in Privileged exec

\* They are identical

\* They both require the enable password

\* User exec is a subset of the privileged exec

Correct answer: D

The user exec mode is a subset of the privileged exec mode. Only a certain number of commands are available at the user exec mode.

Which OSI layer end to end communication, segmentation and re-assembly?

\* Network

\* Transport

\* Physical

\* Application

\* Data-Link

\* Presentation

Correct answer: B

Layer 4 the Transport layer performs this function.

What IP command would you use to test the entire IP stack?

\* Stack-test

\* Arp

\* Telnet

\* Ping

\* Trace

Correct answer: C

Because Telnet is an application and it resides at the top of the stack it traverses down the stack and up the stack at the receiving end.

Identify the 2 hardware components used to manage and/or configure a router?

\* Auxiliary port

\* ROM port

\* Management port

\* Console port

Correct answer: A D

The 2 hardware ports used to configure the router are the console and auxiliary ports.

What is the default bandwidth of a serial connection?

\* 1200 baud

\* 1.544 Mbps (T1)

\* 10 Mbps

\* 96Kpbs

Correct answer: B

The default bandwidth is T1.

Identify 2 functions of IPX access-lists?

\* Control SAP traffic

\* Limit number of Novell servers on a network

\* Limit number of workstations on a network

\* Block IPX traffic

Correct answer: A D

IPX access lists are used to restrict IPX traffic and SAP broadcasts.

Identify 2 HDLC characteristics?

\* Default serial encapsulation

\* Open standard

\* Supports Stacker compression

\* Supports point-to-point and multipoint

Correct answer: A D

HDLC is the default serial encapsulation and supports point-to-point and multipoint. It is not an open standard and does not support compression.

Identify 3 IP applications?

\* AURP

\* ARP

\* Telnet

\* SMTP

\* DNS

\* RARP

Correct answer: C D E

ARP and AURP are not part the application layer of the TCP/IP stack. SMTP - Simple Mail Transfer Protocol, Telnet, DNS - Domain Name Services (name to IP resolution).

Identify 3 LAN technologies?

\* FDDI

\* HDLC

\* HSSI

\* X.25

\* 802.3

\* 802.5

Correct answer: A E F

The question is asking for 3 LAN technologies, HDLC, HSSI and X.25 are all WAN technologies.

Identify the 4 that are not LAN technologies?

\* HDLC

\* FDDI

\* 802.5

\* HSSI

\* SDLC

\* Frame Relay

Correct answer: A D E F

802.5 and FDDI are LAN technologies

Which OSI layer supports the communication component of an application?

\* Data-Link

\* Physical

\* Session

\* Presentation

\* Application

\* Transport

Correct answer: E

Layer 7 the Application layer performs this function.

Identify the length of an IPX address and it’s components?

\* 80 bits, 48 bits network and 32 bits node

\* 32 bits, 16 bits network and 16 bits node

\* None of the above

\* 80 bits, 32 bits network and 48 bits node

Correct answer: D

IPX address has 2 components; network and node. The network address is 32 bits and the node is 48 bits, total of 80 bits.

Identify the administrative distance and appropriate routing protocol?

\* RIP = 255, IGRP = 100

\* RIP = 100, IGRP = 120

\* RIP = 1, IGRP = 0

\* RIP = 120, IGRP = 100

Correct answer: D

The administrative distance for RIP is 120 and IGRP is 100. The lower the AD the better the routing information.

Which OSI layer incorporates the MAC address and the LLC?

\* Data link

\* Network

\* Physcial

\* Transport

Correct answer: ): A

Layer 2 the Data-Link layer incorporates the MAC and LLC sublayers

If configuring a Cisco router to connect to a non-Cisco router across a Frame Relay network, which encapsulation type would you select?

\* Q933a

\* ISDN

\* IETF

\* CISCO

\* ANSI

Correct answer: C

There are two types of Frame Relay encapsulations; Cisco and IETF. IETF is required when connecting a Cisco to a non-Cisco router.

Identify the 2 items that TCP and UDP share in common?

\* Both use port numbers to identify upper level applications

\* Operate at the Network layer

\* Both are Transport protocols

\* Both are reliable communications

Correct answer: A C

TCP and UPD are both layer 4 Transport protocols and both use port number to identify upper level applications.

Identify 3 characteristics of IP RIP?

\* Distance vector

\* Administrative distance is 120

\* Periodic updates every 60 seconds

\* Uses a composite metric

\* Can load balance

Correct answer: A B E

IP RIP is a distance vector protocol, it can load balance up to 4 equal cost paths and it’s rating of trustworthiness is 120.

Which of the following is a layer 2 device?

\* Switch

\* Router

\* Repeater

\* Hub

Correct answer: A

A Hub and Repeater are layer 1 devices. A Router is a layer 3 device.

Identify the definition of demarcation?

\* Date in which the WAN service contract expires

\* Cabling which extends from the WAN service provider to the customer

\* Division of responsibility, where the CPE ends and the local loop begins

\* Equipment which is located at the customer premises

Correct answer: C

Demarcation is the point in which responsibility changes hands.

Identify the 3 key features of the Cisco Discovery Protocol?

\* Off by default

\* Will allow for the discovery of layer 3 addresses on neighbor routers

\* Verify connectivity

\* Open standard

\* Does not require any layer 3 protocols to be configured

Correct answer: B C E

CDP is used for 2 basic reasons; neighbor connectivity and layer 3 discovery if configured. It is proprietary and is on by default.