

MPPGC

MPPMKVVCL Bhopal 30th Aug 2015

Notations :

1. Options shown in green color and with ✓ icon are correct.
2. Options shown in red color and with ✗ icon are incorrect.

Question Paper Name: MPMKVVCL DGM Actual
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MPMKVVCL DGM

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Mandatory or Optional: IPv6
Mandatory

Question Number : 1 Question Id : 3231 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is not a type of address supported by IPv6 according to RFC2373?

Options :

1. ✗ Unicast
2. ✓ Anycast
3. ✗ Multicast
4. ✗ Broadcast

Question Number : 2 Question Id : 3232 Question Type : MCQ

Correct : 1 Wrong : 0

A device that implements IPv6 in a network is called:

Options :

1. ✗ Link
2. ✗ Interface
3. ✗ Router
4. ✓ Node

Question Number : 3 Question Id : 3233 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6, nodes use neighbour discovery to determine ____, to know the nodes attached to the link.

Options :

- ✘ network address
- ✔ link-layer address
- ✘ routing address
- ✘ upper layer address

Question Number : 4 Question Id : 3234 Question Type : MCQ

Correct : 1 Wrong : 0

Under which category does the OSPF routing protocol of IPv6 come?

Options :

- ✘ Distance vector protocols
- ✘ Link stage routing protocols
- ✘ Exterior routing protocols
- ✔ Interior routing protocols

Question Number : 5 Question Id : 3235 Question Type : MCQ

Correct : 1 Wrong : 0

The address size of IPv6 can accommodate over ____ network addresses.

Options :

- ✘ 6.65×10^{10}
- ✘ 6.65×10^{12}
- ✔ 6.65×10^{23}
- ✘ 6.65×10^{56}

Question Number : 6 Question Id : 3236 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6 implementation, what does MTU stand for?

Options :

- ✔ Maximum Transmission Unit
- ✘ Maximum Truncated Unit
- ✘ Minimum Transmission Unit
- ✘ Minimum Truncated Unit

Question Number : 7 Question Id : 3237 Question Type : MCQ

Correct : 1 Wrong : 0

In relation to IPv6, what does ICMP stand for?

Options :

- ✘ Intranet Control Message Protocol
- ✘ Internet Contributing Message Protocol
- ✔ Internet Control Message Protocol
- ✘ Intranet Contributing Message Protocol

Question Number : 8 Question Id : 3238 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6 routing, ____ is a network that is administered by a single entity.

Options :

1. An autonomous system
2. A neighbor system
3. A network system
4. A collaborated system

Question Number : 9 Question Id : 3239 Question Type : MCQ

Correct : 1 Wrong : 0

IPv6 uses ____ address for addressing a single link.

Options :

1. Network-local address
2. Intranet-local address
3. Site-local address
4. Link-local address

Question Number : 10 Question Id : 3240 Question Type : MCQ

Correct : 1 Wrong : 0

In how many bits is the payload length of IPv6 header specified?

Options :

1. 8
2. 16
3. 32
4. 64

Question Number : 11 Question Id : 3241 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is not an IPv6 neighbor discovery message?

Options :

1. Router solicitation message
2. Router advertisement message
3. Neighbor solicitation message
4. Direct message

Question Number : 12 Question Id : 3242 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6 implementation, ____ are used to convey routing information between more than one autonomous systems.

Options :

1. IGPs
2. EGPs
3. Encryption protocols
4. Decryption protocols

Question Number : 13 Question Id : 3243 Question Type : MCQ

Correct : 1 Wrong : 0

The IPv6 address of the form 0:0:0:0:0:0:0 is called:

Options :

1. Unspecified address
2. Loopback address
3. Interface address
4. Link address

Question Number : 14 Question Id : 3244 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6 implementation, the packet is discarded when the Hop Limit is decremented to:

Options :

1. 2
2. 1
3. 0
4. -1

Question Number : 15 Question Id : 3245 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6 terminology, an address that is assigned to an interface on a specified link is:

Options :

1. On-link
2. Off-link
3. Prefix-link
4. Postfix-link

Question Number : 16 Question Id : 3246 Question Type : MCQ

Correct : 1 Wrong : 0

In which RFC is the Routing Information Protocol (RIP) documented?

Options :

1. RFC 2382
2. RFC 1771
3. RFC 2080
4. RFC 1163

Question Number : 17 Question Id : 3247 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is a local use unicast address of IPv6?

Options :

1. Aggregate-global
2. Site-local
3. Aggregate-local
4. Site-global

Question Number : 18 Question Id : 3248 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6, optional internet layer information is encoded in separate headers known as:

Options :

1. Next headers

- ✘ Additional headers
- ✘ Extra headers
- ✔ Extension headers

Question Number : 19 Question Id : 3249 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6, a link that allows direct communication among any number of nodes is:

Options :

- ✘ Multicast capable
- ✔ Shared media
- ✘ Non-broadcast multi-access
- ✘ Point-to-point

Question Number : 20 Question Id : 3250 Question Type : MCQ

Correct : 1 Wrong : 0

Routing Information Protocol (RIP) of IPv6 routing depends on process called 'counting to infinity', to resolve:

Options :

- ✘ Collision problems
- ✘ Congestion situation
- ✘ Packet loss
- ✔ Routing loops

Question Number : 21 Question Id : 3251 Question Type : MCQ

Correct : 1 Wrong : 0

An Anycast address must be assigned to an:

Options :

- ✘ IPv6 interface
- ✘ IPv6 router
- ✔ IPv6 host
- ✘ IPv6 link

Question Number : 22 Question Id : 3252 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following header is not an extension header in IPv6 implementation?

Options :

- ✔ Authorization
- ✘ Hop-by-Hop options
- ✘ Fragment
- ✘ Routing

Question Number : 23 Question Id : 3253 Question Type : MCQ

Correct : 1 Wrong : 0

In neighbor discovery of IPv6, the link-local scope address to reach all nodes is of the form:

Options :

- ✘ FF02::2
- ✘ FF01::2

3. ✓ FF02::1

4. ✗ FF01::1

Question Number : 24 Question Id : 3254 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6 routing, on which UDP port number does RIP send and receive packets?

Options :

1. ✓ 521

2. ✗ 80

3. ✗ 6080

4. ✗ 167

Question Number : 25 Question Id : 3255 Question Type : MCQ

Correct : 1 Wrong : 0

With how many bits is the group ID of multicast address in IPv6 addressing specified?

Options :

1. ✗ 111

2. ✗ 122

3. ✗ 102

4. ✓ 112

Question Number : 26 Question Id : 3256 Question Type : MCQ

Correct : 1 Wrong : 0

Which extension header is used by an IPv6 source to send a packet larger than would fit in the path MTU to its destination?

Options :

1. ✗ Routing

2. ✓ Fragment

3. ✗ Destination options

4. ✗ Hop-by-Hop options

Question Number : 27 Question Id : 3257 Question Type : MCQ

Correct : 1 Wrong : 0

When an IPv6 interface becomes enabled, hosts send ____ to the routers.

Options :

1. ✗ neighbor advertisement

2. ✗ neighbor solicitation

3. ✗ router advertisement

4. ✓ router solicitation

Question Number : 28 Question Id : 3258 Question Type : MCQ

Correct : 1 Wrong : 0

With regard to IPv6 routing, what does RTE stand for?

Options :

1. ✗ Route Transport Entity

2. ✓ Route Table Entity

3. ✗ Route Tunnel Entity

4. ✖ Route Task Entity

Question Number : 29 Question Id : 3259 Question Type : MCQ

Correct : 1 Wrong : 0

The multicast address to identify the group of all IPv6 nodes within scope 1 or 2 is:

Options :

1. ✔ FF01:0:0:0:0:0:0:1
2. ✖ FF05:0:0:0:0:0:0:2
3. ✖ FFOF:0:0:0:0:0:0:2
4. ✖ FFOF:0:0:0:0:0:0:1

Question Number : 30 Question Id : 3260 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is not treated as error condition that arises when reassembling of fragmented packets is done in IPv6?

Options :

1. ✖ Insufficient packets are received to complete reassembling.
2. ✖ The length of a fragment as derived from fragment packet payload length is not a multiple of 8 octets.
3. ✔ The number and content of the headers preceding the fragment header of different fragments of the same original packet differ.
4. ✖ Length and offset of a fragment are such that the payload length of packet reassembled from that fragment would exceed 65,535 octets.

Question Number : 31 Question Id : 3261 Question Type : MCQ

Correct : 1 Wrong : 0

_____ message is used by routers to inform hosts of a better first hop for a destination in IPv6 neighbor discovery.

Options :

1. ✔ Redirect
2. ✖ Neighbor solicitation
3. ✖ Neighbor discovery
4. ✖ Router solicitation

Question Number : 32 Question Id : 3262 Question Type : MCQ

Correct : 1 Wrong : 0

IPv6 nodes use a local IPv6 _____ to determine how to forward packets.

Options :

1. ✖ routers list
2. ✖ neighbors list
3. ✔ routing table
4. ✖ interface link

Question Number : 33 Question Id : 3263 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following address prefix should be predefined in IPv6 multicast address implementation?

Options :

1. ✖ Specified address
2. ✔ Loopback address
3. ✖ Unicast prefix

4. ✘ Anycast prefix

Question Number : 34 Question Id : 3264 Question Type : MCQ

Correct : 1 Wrong : 0

The IPv4 'Time to Live' field was renamed ____ in IPv6.

Options :

1. ✘ Nodes visited
2. ✘ Time travelled
3. ✘ Routers crossed
4. ✔ Hop limit

Question Number : 35 Question Id : 3265 Question Type : MCQ

Correct : 1 Wrong : 0

The life time associated with the default router in units of seconds is:

Options :

1. ✘ Node life time
2. ✔ Router life time
3. ✘ Link life time
4. ✘ Interface life time

Question Number : 36 Question Id : 3266 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is not an entry in IPv6 routing table?

Options :

1. ✘ Directly attached network routes
2. ✘ Remote network routes
3. ✘ Host routes
4. ✔ Dynamic routes

Question Number : 37 Question Id : 3267 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6, when an upper layer protocol sends one or more packets in response to a received packet that include routing header, the response packets must include only:

Options :

1. ✔ Response packets that do not carry routing headers
2. ✘ Acknowledgement packets that do not carry routing headers
3. ✘ Response packets that carry routing headers
4. ✘ Acknowledgement packets that carry routing headers

Question Number : 38 Question Id : 3268 Question Type : MCQ

Correct : 1 Wrong : 0

'netsh interface ipv6 show routes' command displays ____ for a member of windows .NET server 2003 family or windows XP.

Options :

1. ✔ IPv6 routing table
2. ✘ IPv6 interface indexes
3. ✘ IPv6 link indexes
4. ✘ IPv6 routers indexes

Question Number : 39 Question Id : 3269 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6 Neighbor Advertisement message format, the 's' field of ICMP fields indicates:

Options :

1. ✘ Source flag
2. ✘ Sender flag
3. ✔ Solicited flag
4. ✘ Suppress flag

Question Number : 40 Question Id : 3270 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6 implementation, the interface over which packets matching the address prefix are reachable is indicated by ____ field of routing table.

Options :

1. ✘ Type
2. ✔ Idx
3. ✘ Met
4. ✘ Gateway/interface name

Question Number : 41 Question Id : 3271 Question Type : MCQ

Correct : 1 Wrong : 0

The most obvious difference between IPv4 and IPv6 addresses is their:

Options :

1. ✘ Size
2. ✘ Type
3. ✔ Length
4. ✘ Format

Question Number : 42 Question Id : 3272 Question Type : MCQ

Correct : 1 Wrong : 0

The entry ':::0' in prefix field of IPv6 routing table indicates that the route is a:

Options :

1. ✘ dynamic route
2. ✘ static route
3. ✔ default route
4. ✘ manual route

Question Number : 43 Question Id : 3273 Question Type : MCQ

Correct : 1 Wrong : 0

Routes configured by user applications have ____ value for 'Type' field of IPV6 routing table.

Options :

1. ✘ Auto
2. ✘ Dynamic
3. ✘ Static
4. ✔ Manual

Question Number : 44 Question Id : 3274 Question Type : MCQ

Correct : 1 Wrong : 0

In IPv6 routing table, the prefix field value to indicate that the route is for the '64-bit site-local address prefix of locally attached subnets', is:

Options :

1. fec0:0:0:1::/64
2. fec0:0:0:0::/64
3. fec0:0:0:L::/64
4. fec0:0:0:s::/64

Question Number : 45 Question Id : 3275 Question Type : MCQ

Correct : 1 Wrong : 0

The combination of local host's data structures and the Neighbor Discovery protocol is used by IPV6 host to:

Options :

1. receive an IPv6 packet
2. send an IPv6 packet
3. discard IPv6 packet
4. alter route of IPv6 packet

Question Number : 46 Question Id : 3276 Question Type : MCQ

Correct : 1 Wrong : 0

To view IPv6 destination cache, the command is:

Options :

1. netsh ipv6 show destination cache
2. netsh destination ipv6 show cache
3. netsh interface ipv6 show destination cache
4. netsh interface ipv6 show des cache

Question Number : 47 Question Id : 3277 Question Type : MCQ

Correct : 1 Wrong : 0

An ICMPv6 destination unreachable address message is used to prevent ____ between two interfaces on point-to-point link.

Options :

1. outdated packets
2. dangling packets
3. packets with max hop limit
4. ping-pong packets

Question Number : 48 Question Id : 3278 Question Type : MCQ

Correct : 1 Wrong : 0

The publish field of IPv6 route table is used to specify:

Options :

1. whether the route is published in a routing advertisement message
2. route type
3. prefix addresses
4. metric used select routes

Question Number : 49 Question Id : 3279 Question Type : MCQ

Correct : 1 Wrong : 0

_____ routes are manually configured and they define an explicit path between two networking devices in IPv6.

Options :

1. ✘ Dynamic
2. ✔ Static
3. ✘ Permanent
4. ✘ Temporary

Question Number : 50 Question Id : 3280 Question Type : MCQ

Correct : 1 Wrong : 0

The IPv6 address prefix that is directly reachable via interface Ethernet 1/0 which is directly attached to static route is of the form:

Options :

1. ✘ 2001:0DB::/32 serial 0
2. ✘ 2001:0DB8::1/32 ethernet 1/0 fe80::1
3. ✔ 2001:0DB8::1/32 ethernet 1/0
4. ✘ 2001:0DB8 ethernet 1/0

Routing & Switching

Mandatory or Optional:

Mandatory

Question Number : 51 Question Id : 3281 Question Type : MCQ

Correct : 1 Wrong : 0

Distance-path protocol is another name for:

Options :

1. ✘ OSPF
2. ✔ BGP
3. ✘ TCP
4. ✘ UDP

Question Number : 52 Question Id : 3282 Question Type : MCQ

Correct : 1 Wrong : 0

The distributed algorithms that the routers in a network run among themselves in order to make the correct routing decisions are called:

Options :

1. ✘ Network protocols
2. ✘ Connection-less protocols
3. ✘ Connection-oriented protocols
4. ✔ Routing protocols

Question Number : 53 Question Id : 3283 Question Type : MCQ

Correct : 1 Wrong : 0

A dynamic or permanent link outside of the MPLS VPN cloud, over which a routing adjacency is formed to pass routing information is called:

Options :

- ✘ Global connectivity
- ✘ Local connectivity
- ✘ Static connectivity
- ✔ Backdoor connectivity

Question Number : 54 Question Id : 3284 Question Type : MCQ

Correct : 1 Wrong : 0

BGP uses ____ protocol for communication between neighbors.

Options :

- ✘ OSPF
- ✘ PGP
- ✔ TCP
- ✘ UDP

Question Number : 55 Question Id : 3285 Question Type : MCQ

Correct : 1 Wrong : 0

Which router has interfaces connected to at least two different OSPF areas including the backbone area?

Options :

- ✔ ABR
- ✘ ASBR
- ✘ Internal router
- ✘ Backbone router

Question Number : 56 Question Id : 3286 Question Type : MCQ

Correct : 1 Wrong : 0

What does PE in relation with L3 MPLS VPN stand for?

Options :

- ✔ Provider edge router
- ✘ Provider router
- ✘ Customer edge router
- ✘ Route distinguisher

Question Number : 57 Question Id : 3287 Question Type : MCQ

Correct : 1 Wrong : 0

Presently which BGP version is in prevalent?

Options :

- ✘ BGP-1
- ✘ BGP-2
- ✘ BGP-3
- ✔ BGP-4

Question Number : 58 Question Id : 3288 Question Type : MCQ

Correct : 1 Wrong : 0

To discover, build and maintain OSPF neighbor adjacencies, which routing protocol packet does OSPF use?

Options :

- ✘ Database description

2. Hello
3. Link-state request
4. Link-state update

Question Number : 59 Question Id : 3289 Question Type : MCQ

Correct : 1 Wrong : 0

To establish OSPF full-adjacency, the two neighbor routers:

Options :

1. may/may not be in the same area
2. are in different areas
3. are in the same area
4. are out of area range

Question Number : 60 Question Id : 3290 Question Type : MCQ

Correct : 1 Wrong : 0

In MPLS label fields, in how many bits is the Time To Live (TTL) of MPL frame specified?

Options :

1. 2
2. 4
3. 8
4. 16

Question Number : 61 Question Id : 3291 Question Type : MCQ

Correct : 1 Wrong : 0

BGP information between neighbors is exchanged in the form of:

Options :

1. Messages
2. Data
3. Tokens
4. Acknowledgements

Question Number : 62 Question Id : 3292 Question Type : MCQ

Correct : 1 Wrong : 0

In OSPF, to centralize communication for all routers connected to the segment, the routers on the multi-access segment elect

Options :

1. An adjacency router
2. A link router
3. A link state router
4. A designated router & backup designated router

Question Number : 63 Question Id : 3293 Question Type : MCQ

Correct : 1 Wrong : 0

The list of all withdrawn and new routes is communicated between BGP neighbors with ____ messages.

Options :

1. Open
2. Update

3. ✘ Notification
4. ✘ Keepalive

Question Number : 64 Question Id : 3294 Question Type : MCQ

Correct : 1 Wrong : 0

With regard to OSPF, the term LSDB stands for:

Options :

1. ✔ Link State Database
2. ✘ Link Structure Database
3. ✘ Layer Structure Database
4. ✘ Link Source Database

Question Number : 65 Question Id : 3295 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is not a BGP state?

Options :

1. ✘ Idle
2. ✘ Connect
3. ✔ Open
4. ✘ Active

Question Number : 66 Question Id : 3296 Question Type : MCQ

Correct : 1 Wrong : 0

What is the interface command for selecting the IPv6 MTU parameter?

Options :

1. ✘ ipv6 interface mtu
2. ✔ ipv6 mtu
3. ✘ ipv6 interface
4. ✘ ipv6 mtu interface

Question Number : 67 Question Id : 3297 Question Type : MCQ

Correct : 1 Wrong : 0

The protocols that address all the necessary functions for multicast routing are:

Options :

1. ✘ Multiprotocol TCP
2. ✘ Multiprotocol IP
3. ✘ Multiprotocol PGP
4. ✔ Multiprotocol BGP

Question Number : 68 Question Id : 3298 Question Type : MCQ

Correct : 1 Wrong : 0

By lowering the OSPF hello interval, one can:

Options :

1. ✘ detect the mismatching OSPF neighbors
2. ✘ detect the fragmented packets
3. ✔ detect the faster topological changes

- ✘ detect the timing changes

Question Number : 69 Question Id : 3299 Question Type : MCQ

Correct : 1 Wrong : 0

The restriction for external BGP neighbors is that, they should:

Options :

- ✔ be physically connected
- ✘ not be physically connected
- ✘ not be adjacent to one another
- ✘ not be locally connected

Question Number : 70 Question Id : 3300 Question Type : MCQ

Correct : 1 Wrong : 0

To investigate hello timer mismatch in OSPF timers, which command is used?

Options :

- ✘ ip ospf hello-interval
- ✘ show ip ospf hello detail
- ✘ show ip ospf hello
- ✔ debug ip ospf hello

Question Number : 71 Question Id : 3301 Question Type : MCQ

Correct : 1 Wrong : 0

The Routing Information Protocol (RIP) injects information into BGP:

Options :

- ✘ Semi dynamically
- ✔ Dynamically
- ✘ Semi statically
- ✘ Statically

Question Number : 72 Question Id : 3302 Question Type : MCQ

Correct : 1 Wrong : 0

An interface of OSPF does not pass through which of the following states, before becoming adjacent to another router?

Options :

- ✔ Up
- ✘ Exstart
- ✘ Two-way
- ✘ Down

Question Number : 73 Question Id : 3303 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is not a part of BGP routing table?

Options :

- ✘ Adj-RIB-in
- ✘ Adj-RIB-out
- ✔ Adj-Loc-RIB
- ✘ LOC-RIB

Question Number : 74 Question Id : 3304 Question Type : MCQ

Correct : 1 Wrong : 0

On which of the following ports does BGP make use of TCP to communicate between neighbors?

Options :

1. ✘ 176
2. ✘ 177
3. ✘ 178
4. ✔ 179

Question Number : 75 Question Id : 3305 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is a type of metric supported by OSPF?

Options :

1. ✔ Intra-area
2. ✘ External type 3
3. ✘ Number of routers
4. ✘ Number of nodes

Network Security & Audit

Mandatory or Optional:

Mandatory

Question Number : 76 Question Id : 3306 Question Type : MCQ

Correct : 1 Wrong : 0

_____ is the computer or computers that stand between trusted network and untrusted networks.

Options :

1. ✔ Firewall
2. ✘ Network security system
3. ✘ Anti-virus software
4. ✘ Protected system

Question Number : 77 Question Id : 3307 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is an attack against confidentiality?

Options :

1. ✘ Interruption
2. ✔ Interception
3. ✘ Modification
4. ✘ Fabrication

Question Number : 78 Question Id : 3308 Question Type : MCQ

Correct : 1 Wrong : 0

A physical computing device that safeguards and manages digital keys for strong authentication and provides crypto processing is:

Options :

1. ✘ Proxy system

- ✘ Secured hard disk
- ✔ Hardware security module
- ✘ Secure processor

Question Number : 79 Question Id : 3309 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is not a service provided by digital signature?

Options :

- ✔ Digital signature is a shared secret between sender and receiver.
- ✘ Digital signature should be easy to compute and verify.
- ✘ Digital signature algorithm must somehow bind the signature to the message.
- ✘ Digital signature should be verifiable by all without using signer's secret.

Question Number : 80 Question Id : 3310 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is not a type of firewall?

Options :

- ✘ Stateful packet-inspection engines
- ✔ Network firewall
- ✘ Packet filters
- ✘ Circuit-level gateways

Question Number : 81 Question Id : 3311 Question Type : MCQ

Correct : 1 Wrong : 0

A swipe card would be described as ____ type of authentication factor.

Options :

- ✘ something you know
- ✘ something you are
- ✔ something you have
- ✘ something you do

Question Number : 82 Question Id : 3312 Question Type : MCQ

Correct : 1 Wrong : 0

HSMs possess one or more ____ chips to prevent tampering and bus probing.

Options :

- ✘ VLSI
- ✘ Smart card
- ✘ Cryptographic accelerator
- ✔ Secure crypto processor

Question Number : 83 Question Id : 3313 Question Type : MCQ

Correct : 1 Wrong : 0

In Digital Signature Scheme, ____ recovers the message using public key.

Options :

- ✘ redundancy function
- ✔ signature verification algorithm

- ✘ sender
- ✘ MAC

Question Number : 84 Question Id : 3314 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is not true in case of a Firewall?

Options :

- ✘ Firewalls are excellent at enforcing the corporate security policy.
- ✘ Firewalls are used to restrict access to specific service.
- ✔ Firewalls can protect against what is authorized.
- ✘ Firewalls are very good at alerting people of events.

Question Number : 85 Question Id : 3315 Question Type : MCQ

Correct : 1 Wrong : 0

The defense strategy "to make it as difficult as possible for attacks to progress after the initial access without the necessity of knowledge of the attacks" comes under:

Options :

- ✘ Deception
- ✘ Frustration
- ✘ Recognition & Recovery
- ✔ Resistance

Question Number : 86 Question Id : 3316 Question Type : MCQ

Correct : 1 Wrong : 0

To improve performance at longer key sizes, some HSMs support:

Options :

- ✔ Elliptic curve cryptography
- ✘ Digital signature standard
- ✘ RSA
- ✘ Diffie-Hellman key exchange

Question Number : 87 Question Id : 3317 Question Type : MCQ

Correct : 1 Wrong : 0

In which of the digital signature schemes is the digest of a message signed instead of the message?

Options :

- ✘ Redundant digital signature
- ✘ General digital signature
- ✔ Appended digital signature
- ✘ Message transforming digital signature

Question Number : 88 Question Id : 3318 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is a disadvantage of L3 MPLS VPN services?

Options :

- ✘ Scalable routing model
- ✔ SP dependency
- ✘ Scalable bandwidth model

4. ✘ Any-to-any connectivity

Question Number : 89 Question Id : 3319 Question Type : MCQ

Correct : 1 Wrong : 0

Why do firewalls rely on IP addresses?

Options :

1. ✘ For converting IP addresses to binary format
2. ✘ For creating a security policy
3. ✘ To protect against authorized data
4. ✔ For setting up Network Address Translation (NAT)

Question Number : 90 Question Id : 3320 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is a system or an object that exists primarily to attract adversaries to entrap, distracting them from targeting computers?

Options :

1. ✔ Honey pot
2. ✘ Honey trap
3. ✘ Honey net
4. ✘ Honey bag

Question Number : 91 Question Id : 3321 Question Type : MCQ

Correct : 1 Wrong : 0

HSMs are used by ____ in the PKI environment.

Options :

1. ✘ Software manufacturers
2. ✔ Certification authorities
3. ✘ Hardware manufacturers
4. ✘ Software vendors

Question Number : 92 Question Id : 3322 Question Type : MCQ

Correct : 1 Wrong : 0

The attack on digital signature in which the adversary has access to one or more valid message signature pairs is known as:

Options :

1. ✘ Selective forgery
2. ✘ Existential forgery
3. ✘ Chosen-message attack
4. ✔ Known-message attack

Question Number : 93 Question Id : 3323 Question Type : MCQ

Correct : 1 Wrong : 0

Devices that filter packets by looking at their contents rather than just their headers are called:

Options :

1. ✔ Intelligent packet filters
2. ✘ Stateful packet filters
3. ✘ Dynamic packet filters
4. ✘ Static packet filters

Question Number : 94 Question Id : 3324 Question Type : MCQ

Correct : 1 Wrong : 0

The small block of data generated by Authentication techniques using secret key is called:

Options :

1. ✘ P-box
2. ✔ MAC
3. ✘ Encrypted data
4. ✘ S-box

Question Number : 95 Question Id : 3325 Question Type : MCQ

Correct : 1 Wrong : 0

Approximately how many 1024-bit RSA operations/sec can a HSM device perform?

Options :

1. ✘ 5 to 10
2. ✘ 50 to 100
3. ✔ 50 to 1000
4. ✘ 50 to 10,000

Question Number : 96 Question Id : 3326 Question Type : MCQ

Correct : 1 Wrong : 0

Let p, q be prime numbers, g represent generator, d represent private key, e represent public key, $n = p \times q$, G be the base point, dG computed from G and (a, b) be the point of elliptic curve E .

Then, in ELGAMAL Digital Signature, the public key is of the form:

Options :

1. ✔ $\{p, g, g^d\}$
2. ✘ $\{e, n\}$
3. ✘ $\{p, q, g, g^d\}$
4. ✘ $\{a, b, p, q, G, dG\}$

Question Number : 97 Question Id : 3327 Question Type : MCQ

Correct : 1 Wrong : 0

When backdoor connectivity is used in MPLS VPN, one of the potential problem that occurs is:

Options :

1. ✘ Dangling routes
2. ✔ Routing loops
3. ✘ Dangling packets
4. ✘ Optimal routes

Question Number : 98 Question Id : 3328 Question Type : MCQ

Correct : 1 Wrong : 0

The universal standard criteria for rating HSM devices is documented in:

Options :

1. ✘ ITU-T

2. ✘ X.509 V3
3. ✘ SS7
4. ✔ FIPS 140-1

Question Number : 99 Question Id : 3329 Question Type : MCQ

Correct : 1 Wrong : 0

Which of the following is not a purpose of HSM with regard to cryptographic and sensitive data material?

Options :

1. ✔ Secure transfer
2. ✘ Secure generation
3. ✘ Secure storage
4. ✘ Secure use

Question Number : 100 Question Id : 3330 Question Type : MCQ

Correct : 1 Wrong : 0

Which Symmetric Cryptography Algorithm does HSM module use?

Options :

1. ✘ RSA
2. ✔ AES
3. ✘ ECC
4. ✘ IDEA