

QUIZ

How the value in "Header Length" or "Internet Header Length" field interpreted

1 point

- ☐ It shows the length of IPv4 header in terms of octets
- ☒ It shows length of IPv4 header in terms of 32-bit words
- ☐ The length of IPv4 header is equal to the size of this field.
- ☐ There is no such field in IPv4

Why fragmentation was given so much importance in IPv4?

1 point

- ☐ All IPv4 fragments should be fragmented and re-assembled in at least two nodes in the routing path.
- ☐ Fragmentation is important to ensure security in IPv4.
- ☒ There may exist internet connections, which can support IP packets only up to a certain size.

Which of the following fields in IPv4 provides protection against "Zombie packets continuously following a circular path in the internet"?

1 point

- ☒ Time-to-Live (TTL)
- ☐ Header Checksum
- ☐ Source IP address
- ☐ Destination IP Address

What is the use of "Identification field" in IPv4 when we already have Source IP Address in IPv4, Destination IP Address in IPv4 and Sequence Numbers in TCP?

1 point

- ☐ Its just included to increase redundancy
- ☐ It was just included to be reserved for future purposes
- ☐ Hash of Source IP Address and Destination IP Address are included in this field
- ☒ Identification field has a completely different purpose. Its used in fragmentation.