Unit 10 - Week 8

Assignment 8

Due: Wed, Oct 18, 2017, 11:59 pm

1. What is the GRAAT (Global Routing Architecture and Topology)?
2. What is the role of a router in the internet? How does it differ from a host?
3. Describe the functions of a router in detail.
4. Why is the internet considered to be a global network?
5. What are the benefits of having a global routing architecture?
6. Explain the concept of BGP (Border Gateway Protocol).
7. What are the main features of BGP?
8. How does BGP work in practice?
9. What is the role of the Autonomous System (AS) in BGP?
10. Explain the concept of AS path.

In addition to the above questions, there are three more questions that you need to answer:

11. Explain the concept of IP routing.
12. Discuss the advantages and disadvantages of static routing.
13. What is the difference between dynamic routing and static routing?

Please answer all the questions thoroughly and submit your assignment by the due date.