

IT Fundamentals Guided Notes (ANSWER KEY)

Lesson 2.4.1 - Internet Service Types

1. What is the difference between availability and throughput with network connections? .

Availability is the probability that the system will be functional while throughput is the rate of the data transfer

2. What is the max speed of fiber optics?

The max speed of fiber optics is 10 Gbps

3. For rural areas without fiber optics, what are some available options and their max speeds?

DSL and Cable with max speeds of 35 Mbps and 500 Mbps respectively

4. What are the wireless options available for Internet access?

RF, satellite, and cellular

5. What is an advantage of wireless options over wired options? What is a disadvantage?

An advantage of wireless is the mobility while a disadvantage is the stability of the network