

WORLD MISSION HIGH SCHOOL

LEVEL 4 NIT

MODULE: WIRELESS NETWORK OUTDOOR

HOMEWORK

DATE: 20/10/2023

Question 1: Can you describe the primary functions and applications of outdoor wireless access points in a network?

Question 2: Provide an explanation of the advantages and use cases for different types of antennas in outdoor wireless networks. Include specific examples.

Question 3: Explain the factors influencing the choice of cables for connecting outdoor antennas to wireless devices. Compare and contrast coaxial, twisted pair, and fiber optic cables in this context.

Question 4: Provide a detailed explanation of Power over Ethernet (PoE) and its significance in outdoor wireless setups. How does it simplify network deployments, and what devices commonly utilize PoE?

Question 5: Discuss the considerations involved in selecting frequency bands for outdoor Wi-Fi communication. How does the choice impact network performance, especially in outdoor environments?