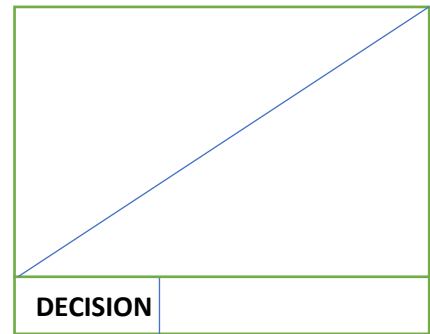




WORLD MISSION
HIGH SCHOOL



EXAM DETAILS		TRAINEE'S DETAILS	
Sector	ICT & MULTIMEDIA	Trainee's name	
Trade	NIT	Trainer's name	H. Love
Module code	NITIS301	Module title	IoT System Installation
Level	L3 NIT	Date	

- 1. Discuss the importance of simulation and debugging tools in IoT system development. Provide examples and explain how they reduce development risks before hardware deployment.**
- 2. An IoT developer must choose between Wi-Fi, ZigBee, Bluetooth, and LoRa for connectivity. Analyze each protocol and justify which technology you would select for:**
 - a) Smart home automation**
 - b) Long-range agricultural monitoring****Explain your reasoning clearly and factors you considered.**
- 3. Analyze how unauthorized access and weak passwords can compromise an IoT ecosystem. Propose strategies to mitigate these risks.**
- 4. Evaluate the implications of insufficient encryption on data integrity and user trust in an IoT system. Provide a real-world example to illustrate your points.**