STRAND 1.0: FOUNDATIONS OF PRE-TECHNICAL STUDIES

1.2: SAFETY IN THE WORK ENVIRONMENT.

SECTION A: MULTIPLE CHOICE QUESTIONS (30 Marks)

	Question	Answer	Explanation
1	While working in the school workshop, John accidentally spills some oil near a power outlet. This creates a dangerous situation. Which type of safety threat is present in this instance?	**D) Slipping hazard**	The spilled oil creates a slippery surface, which is a **slipping hazard**. This is an immediate and obvious danger that could cause someone to fall and injure themselves. While a fire or electrical hazard could also be present, the primary and most immediate threat from spilled oil on the floor is the risk of slipping.
2	Sarah receives an email that looks like it's from her school's principal asking for her login details to "update learner records." She feels something is off about the email. This is an example of what type of online threat?	**C) Phishing**	**Phishing** is a type of online threat where a fraudulent communication, often an email, is sent to trick a person into revealing sensitive information like login details. The email appears to be from a legitimate source (the principal) but is designed to steal Sarah's information.
3	Before using a power drill, a learner is reminded to wear safety goggles. This action is part of observing which safety rule?	**B) Using personal protective equipment (PPE)**	**Personal Protective Equipment (PPE)** includes items like safety goggles, gloves, and ear protectors. Wearing safety goggles is a direct example of using PPE to protect oneself from potential hazards, in this case, flying debris from drilling.
4	A learner is about to lift a heavy toolbox. Their teacher advises them to bend their knees and keep their back straight. This advice aims to prevent which type of injury?	**C) Back injury**	Bending the knees and keeping the back straight while lifting is the correct technique to distribute the weight to the leg muscles rather than the back. This specific advice is given to prevent a **back injury**, which can be caused by improper lifting.
5	During a class practical, Peter sees a broken electrical cable with exposed wires. He immediately tells his teacher. Peter's action demonstrates:	**B) Observing a safety rule**	The safety rule in this case is to **report any hazards immediately to the instructor**. By telling his teacher, Peter is following the correct safety protocol and preventing a potential electrical shock or fire for himself and others.
6	Mercy notices that her classmate is constantly being sent mean messages	**C) Cyber-bullying**	**Cyber-bullying** is a form of bullying that occurs online. Sending mean messages and intentionally