

## **Wesley Kamotho – DCS-03-8392/2023**

a) Explain the FIVE phases of network project

- Planning:- It involves defining the project's scope , objectives , deliverables.
- Design:- In this detailed network designs and diagrams are created and also selection of technologies , designing of the physical and logical network layout and defining of the architecture.
- Implementation:- this phase is where network devices are set up, hardware and software are configured and security measures set up.
- Operation:- Involves monitoring network performance, troubleshooting issues, and performing regular maintenance.
- Improvement:- This phase is where areas of enhancement are sought and the necessary upgrades and optimizations implemented.

b) Explain the difference between planning and design phase

In the planning phase, the project's objectives, scope and deliverables are defined. Project requirements are gathered, risk assessed and a detailed project plan while in design phase, there's creation of detailed network designs and diagrams. Also there's selection of technologies definition of the network architecture and logical and physical layouts.