

# MINISTRY OF EDUCATION, HERITAGE & ARTS

## YEAR 12 COMPUTER STUDIES – WORKSHEET 8 - 2021

**Instruction:** Use your activity book to write the answers only.

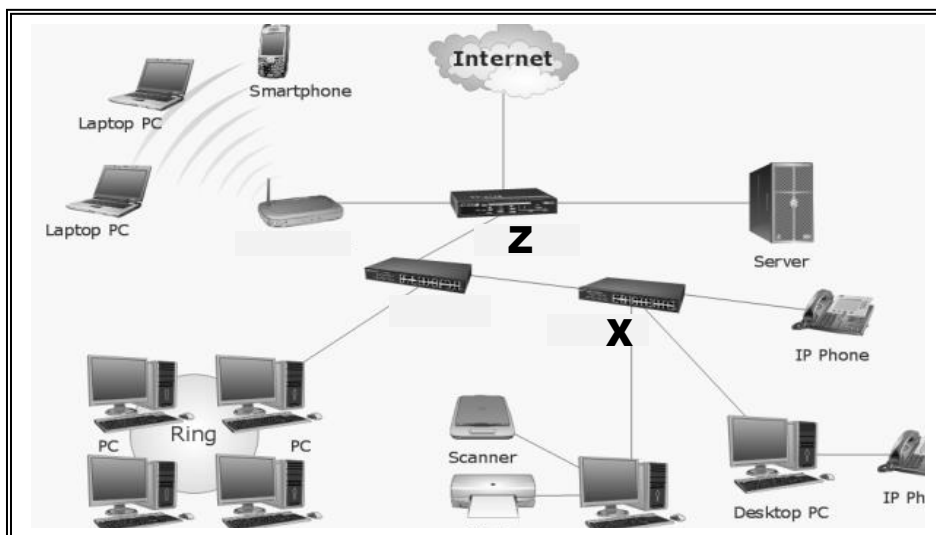
**Strand 1**      **Sub Strand: Communications and Networks**

**MULTIPLE CHOICE QUESTIONS – Select the best answer for questions 1 and 3.**  
**(3 marks)**

- Which of the following refers to the speed with which a modem transmits data.
  - Digital velocity
  - Modular rating
  - Dynamic rate
  - Transfer rate
- Which of the following bandwidth typically used for DSL, cable and satellite connections to the internet.
  - Medium band
  - Voice band
  - Broadband
  - Baseband
- Which of the following network security creates a secure private connection between a remote user and an organization's internal network.
  - Firewall
  - Proxy server
  - Virtual private networks
  - Intrusion Detection System

### SHORT ANSWER QUESTIONS

- (a). Study the diagram below to answer the questions that follow.



- Identify the device labelled **X**.
- Explain one reason why device **Z** is used in this network.