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GRADE 7 – REVISION WORKSHEET

Pre Mid Term Examination 2026–27

Q1. Choose the correct answer.

a) Which component lets a laptop connect to a wireless network?
A. Router B. DNS C. Cipher D. Base station

b) Which one from the following systems divides a region into cells?
A. Bluetooth B. Cellular network C. Ethernet D. LAN cable

c) Which logical operator needs both conditions to be TRUE in order to be TRUE?
A. OR B. NOT C. AND D. !=

d) Which one of the following is a valid Python variable name?
A. 2marks B. total_marks C. print D. my name

WORD BANK
Ethernet
DNS
print()
encryption
bluetooth
float()
WAP
crosstalk
Input()

Q2. Fill in the blanks using the word bank.

a) A wired network connection commonly uses **Ethernet cable** _____.

b) A website name is translated to an IP address by __**DNS** _____.

c) The Python function __**print()** _____ displays output.

d) Changing readable data into secret code is called __**Encryption** _____.

Q3. Write True or False.

a) 5 GHz Wi-Fi is generally faster but has a shorter range than 2.4 GHz. _**TRUE** _____

b) Python input() returns text unless it is converted to some other type by type casting _**TRUE** _____

c) A syntax error always gives a correct program output. __**FALSE** ____

Q4. Answer briefly.

a) Give two reasons why errors may occur when data is transmitted.

Two reasons why errors may occur during data transmission are:

- **Radio interference**
- **Crosstalk (Also accepted = Electricity Surges)**

b) Explain one difference between encryption and decryption.

Encryption changes readable data into secret code, while decryption changes the coded data back into readable form.

c) Why do people use domain names instead of memorizing IP addresses?

People use domain names because they are easier to remember than numerical IP addresses.

Q5. Apply and debug.

a) Evaluate this logical expression and tell whether the answer is TRUE or FALSe: **(8 > 3 AND 2 > 5) and NOT (4 == 7).**

- **8 > 3 = TRUE**
- **2 > 5 = FALSE**
- **4 == 7 = FALSE**
- **NOT FALSE = TRUE**
- **FALSE AND TRUE = FALSE**

b) Correct this code and also state what type of error from the two kinds we have studied is occurring in this statement

PRINT("Welcome")

print("Welcome") **This is a syntax error**

d) Write a Python statement that takes input from the user and stores it in a variable named **height,** as a **decimal/floating point number**.

height = float(input("Enter height: "))

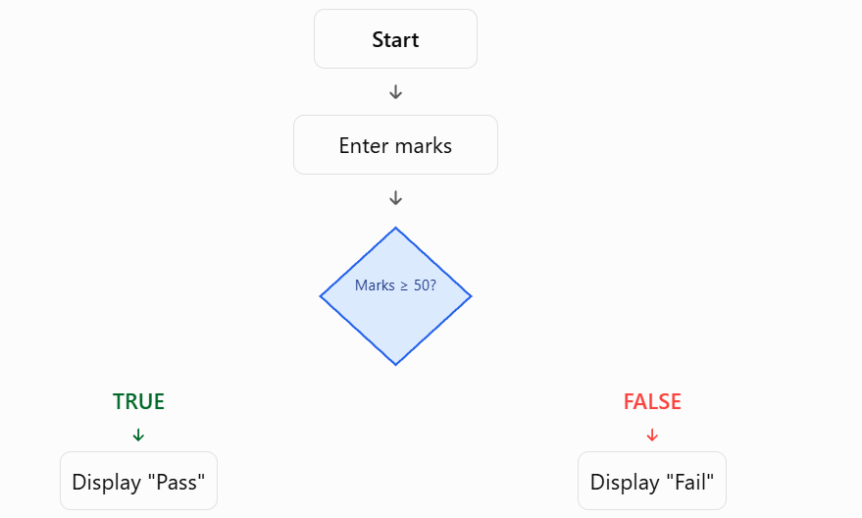
Q6. Put the DNS steps in the correct order.

A. DNS returns the IP address. B. Browser requests DNS lookup. C. User types a URL. D. Browser contacts the server.

Correct order: _**User types a URL.**_ → **Browser requests DNS lookup**._ → **DNS returns the IP address**. _ → _**Browser contacts the server.** _____

Q7: What is Selection in flowcharts. Give an example by drawing a sample selection symbol and showing what possible flow lines may come out of it.

Selection is a decision-making structure in which a condition is checked, and the program follows one of two possible paths depending on whether the condition is TRUE or FALSE.



(Any relevant example that shows the selection box and the two options that can possible come from it can be accepted.)