

**Lesson 8 – QUESTIONS**

Q1 Write the formula to calculate dBs in the following cases.

Voltage –

Power -

Q2 Complete the following decibel table. (Use the correct suffixes)

Input or Reference	Output	+ - Decibels
0.25 V	6 V	
1.2 V	6 mV	
dBV		5 dBV
dB $\mu$ V	171 $\mu$ V	
12 V		- 6 dB
22 $\mu$ V	22 mV	
	100 V	10dB
0.5 V	97 V	
1 V		15.75 dB

Q3 Complete the following decibel table. (Use the correct suffixes)

Input or Reference	Output	+ - Decibels
0.25 W	6 W	
1.2 W		9.3 dB
dBW	12 W	
dBm	171 mW	
12 W		- 5 dB
22 $\mu$ W	22 mW	
1 W		6 dB
0.001 W	1 W	
10 W		3 dB

Q4 What is a valve and describe how it works?

Q5 Why is it necessary to be cautious when handling equipment with valves?

Q6 What is the gain of a valve if the change in plate voltage is 50 V and the change in grid voltage is 2 V?

