**Electronic Measurements**

Arab Academy for Science & Technology and Maritime Transport

College of Engineering and Technology

Electronics and Communications Department

*Course Name : Electronic Measurements (EC 410) Term : 8th*

*Lecturer : Dr. Iman Morsi*

*Lecturer Assistant : Eng. Salma Darwish*

***Sheet no. 6***

# Attenuators

1. Convert the following:-
2. +5 dbW to dbm.
3. -60 dbW to dbm.
4. +56 dbm to dbW.
5. +13 dbm to Volts (R=50Ω).
6. 2 W to dbW.
7. 1 V to dbW.
8. -120 dbm to Volts.
9. What are the resistor values required for a 10 db, 50 Ω Π-attenautor?
10. How much attenuation would be obtained from a piston type attenuator if the cylinder diameter is 2cm and the distance between the loop is 5 cm?
11. Determine a formula for the resistor values for the T-pad shown below:- ****