1. Find the minimum three depths in oil (n=1.24) where blue light (λ=400nm) will create a bright band d1=161.29nm, d2=322.58nm, d3=483.87nm
2. The minimum depth where green light is found to create a bright band in oil (n=1.59) is found to be 141nm. Find the λ λ=448.38nm
3. Find four depths of oil (n=1.18) where red light (λ=600nm) will undergo thin film interference d1=254.24nm; d2=508.47nm; d3=762.71nm; d4=1016.95nm
4. The minimum depth where light is found to create a bright band in oil (n=1.47) is found to be 208nm. Find the λ λ=611.52
5. Find two depths of oil (n=1.8) where light (λ=740nm) will undergo thin film interference d1=205.56nm; d2=411.11nm