1.   With statistics collected for survey in Zambia, Zimbabwe and Tanzania the number of students in IT since 1980s are as follows. In Zambia – 1600, Zimbabwe - 2200 in Tanzania – 3000. The qualified programmers are 600 in Zambia, 220 in Zimbabwe and 200 in Tanzania the rest are data analysts.

a) Represent this information on a spread sheet and save it as IT   (10 mks)

b) Compute the number of data analysts and programmers in the three countries in 1990's. If the programmers and analysts increased by 20%, 8.5% respectively, round off the values to a whole number   (9mks)

c) Compute the number of programmers and analysts in the given countries in 2000's, if the values had decreased by 2.5% analysts and increased by 6.6% from the previous period, rounding off the values to a whole number   (9 mks)

d) Add the programmers and data analysts ration and calculate the ratio of each country in 1980's, 1990's and finally 2000's

e) Plot the graphs of each country programmers and analysts and print it as IT 2.