Q1/ Answer all of the following:

 A/ what are steps of survey?

B/ what is the aspects which the scince of survey methodology is concerned?

c/ what is the data collection options? Explain advantages and disadvantages of personal interviews.

Q2/ from the information about sampling stratum with size of population (4000) by the table:

Stratum		σ	
	1	12	0.6
	2	7	0.4

Find:

1- Sample size and the patial of sample size in Proportional allocation if

2- Sample size and the patial of sample size in Neyman allocation if $V\left(\bar{y}_{st}\right)=1$

Q3/ Answer all of the following:

A/ when are surveys used?

B/ Explain advantages and disadvantages of Mail interviews.

C/ What is difference between a comprehensive survy and a sample survey?

Q4/ from the information about sampling stratum with size of population (7000) by the table:

Stratum	σ_h	W_h
1	8	0.20
2	13	0.40
3	10	....

Find:

1- W_3

2- Sample size and the patial of sample size in Equal allocation if $V\left(\bar{y}_{st}\right)=1$

Q5/ Answer all of the following:

 A/ what are steps of survey?

B/ what is the aspects which the scince of survey methodology is concerned?

c/ what is the data collection options? explain advantages and disadvantages of personal interviews.

Q6/ from the information about sampling stratum with size of population (4000) by the table:

Stratum	σ_h	W_h
1	12	0.6
2	7	0.4

Find:

1- Sample size and the patial of sample size in Proportional allocation if

$$V\left(\bar{y}_{st}\right) = 1$$

2- Sample size and the patial of sample size in Neyman allocation $(C_h = C)$ if

$$V\left(\bar{y}_{st}\right) = 1$$