Q1

Sol The Given array A has a size of 601 since.
$1900 - 1300 + 1 = 601$

The size of each element in the array. ie 2 bytes so the total size of the array is:
$601 \times 2 = 1202$ bytes

The base address of the array is given as 1020. To, find the address of A[1700] we need to calculate the offset of A[1700] from the base add. of the array. Since each element of the array is 2 bytes we can calculate the offset as.

offset $= (1700 - 1300) * 2$
$= 400 * 2$
$= 800$

∴ Address = base_address + offset
$= 1020 + 800$
$= 1820$