

## Sec-3

Q 1 Ans

- (i) Dynamic memory allocation is when an executory program requests that the operating system give it, a block of main memory.
- (ii) The program then use this memory for some purpose.
- (iii) Usually the purpose is to add a node to a data structure.

### # Advantage

- (i) The main ~~memory~~ advantage of using dynamic memory allocation is preventing the wastage of memory.
- (ii) This is because when we use static memory allocation a lot of memory is wasted because all the memory allocated could not be utilized.
- (iii) memory fragmentation.

Keeping track of allocated and deallocated memory is complicated. A modern operating system does all this.

[P.T.O]

Qs  
2.1

