QUESTION 1

1. Logical address and physical address will be the same if address binding is performed in
   - compile-time
   - load-time
   - execution-time
   - both compile-time and load-time

QUESTION 2

1. Which of the following memory allocation approaches allocates contiguous memory space for a process?
   - a. Dynamic partitioning
   - b. Paging
   - c. Segmentation
   - d. All the above

QUESTION 3

1. Which dynamic storage-allocation policy has least overhead?
   - a. First fit
   - b. Worst fits
   - c. Best fit

QUESTION 4

1. Which of the following memory allocation methods may result in external fragmentation?
   - a. Both paging and segmentation
   - b. Both dynamic partitioning & paging
   - c. Paging
   - d. Both dynamic partitioning & segmentation

QUESTION 5

1. Given the logical address 0xAEF9 (in hexadecimal) with a page size of 256 bytes, what is the page number of this logical address?
   - a. 0X9
   - b. 0xAE
   - c. 0xF9
   - d. 0xA

QUESTION 3

1. Which dynamic storage-allocation policy results in the smallest leftover hole in memory?
   - a. First fit
   - b. Best fit
   - c. Worst fits

QUESTION 4

1. Which of the following statement about memory compaction is true?
   - a. It is possible only if address binding is dynamic and done at execution time.
   - b. It can be done at compile, load, or execution time.
   - c. It does not shuffle memory contents.
   - d. It is used to solve the problem of internal fragmentation.

QUESTION 5

1. Considering a logical address with a page size of 8 KB, how many bits must be used to represent the page offset in the logical address?
   - a. 10
   - b. 13
   - c. 12
   - d. 8

QUESTION 2

1. Which of the following memory allocation methods may result in internal fragmentation?
   - a. Dynamic partitioning
   - b. Paging
   - c. Segmentation

QUESTION 2

1. Which of the following memory allocation approaches assumes logical address space of a process is contiguous?
   - a. Dynamic partitioning
   - b. Paging
   - c. Segmentation
   - d. All the above

QUESTION 1

1. The mapping of a logical address to a physical address is done dynamically in
   - a. compile-time binding
   - b. load-time binding
   - c. execution-time binding

QUESTION 4

1. Memory compaction can be performed if address binding is done in
   - a. execution-time
   - b. compile-time
   - c. load-time