b) Consider the Logical address space of 8GB, Physical address space of 64MB, and page size of 4KB. Find the

i. Number of pages
ii. Number of frames
iii. Number of entries in the page table
iv. Size of page table

(10 Marks)

c) Consider the following page reference string:

```
7,0,1,2,0,3,0,4,2,3,0,3,2,1,2,0,1,7,0,1
```

Find the ratio of Page Fault (PF) and Page Hit (PH) for the First in First Out (FIFO) page replacement Algorithm assuming the main memory with 4 frames.

(10 Marks)

Total hit = 10
Total miss = 10

Miss ratio = $\frac{10}{20} \times 100$
$= 50\%$

Hit ratio = $10/20 \times 100$
$= 50\%$

----------End----------