1

Tuesday

180010011

DEC

Assignment-09

HAM) Given cache size = 1KB = 2^{10}B

i) line size = 64B = 2^6

Total size of Memory = 32 Bits

offset size = 6 bits

Cache size = $\frac{2^{10}}{2^6} = 2^4$

Index size = 4

Tag size = 32-4-6 = 22.

Address Format → | Tag(22) | Index(4) | offset(6) |

ii) Associate Mapping-

Line size = 64B = 2^6B

Cache size = 1KB = 2^{10}B

Memory size = 32B

Tag = 32-6 = 26.

Address format → | Tag(26) | offset (6) |