Unit-1 Question Bank :-

1. Explain types of Memory and draw the hierarchy according to the storage capacity and speed.
2. Explain types of Ram.
3. What are the differents type of ROM?
4. Differentiate between Microcomputer, Microprocessor & Microcontroller with
5. Differentiate b/w Microprocessor & Micro controler
6. What are the different type of buses used in Microprocessor?
7. List the advantages & disadvantages of high level language, assembly language & machine language.
8. What are the different assembly language program different tools.

9 Draw and explain the block-diagram/ architecture of 8085 microprocessor.

10 Explain different type of registers of 8085 Microprocessor.

11 Draw & Explain the pin diagram of 8085 microprocessor.

12 Write the working of following pins:
- HOLD
- HLDA
- IO/$\bar{M}$
- TRAP
- Ready
- ALE

13 Write a short note on:
(a) Fetch cycle (b) Execute cycle
(c) Instruction cycle (d) Machine cycle

14 Draw the timing diagram of MVI A, 02

15 What are the different classification of 8085 instruction. Give two examples of each.

(b) Write the working on following instruction with example:

(a) LDA
(b) STA
(c) XCHG H
(d) DAD rp
(e) INX
(f) DAA
(g) ORA
(h) CMA
(i) CTC
(j) CPI
(k) RAL
(l) RRC
(m) JNC
(n) RET
(o) PUSH
(p) POP
(q) SIM

17 write a program in 8085 assembly language 2-8 bits no. ignoring the carry assume your own memory location

18 write a program in 8085 assembly language for addition of 2-8 bits no. considering the carry assume your own memory location.

19 write a program in A.L to transfer bulk data (5 bytes) from one memory location to other memory location.

20 wap in Assembly language to finding the greater number among two no.

21. wap in 8085 in Assembly language smaller no. among two number.

22 wap in A.L to find the largest no among 5 numbers.

23 Wap in 8085 assembly language to find the smallest no among 5 numbers

24 Wap in 8085 assembly to find the multiplica of 2-8 bit numbers assume that the result is a 8-bit number.