



ValueLabs Question Paper

QUESTIONS ON MICROPROCESSORS

Q1. What is a microprocessor?

Q2. What is the new technology in microprocessors?

Q3. What is DMA?

Q4. What is FSB?

Q5. What is crystal frequency?

Q6. What is flash memory?

Q7. What is virtual memory?

Q8. What is paging?

Q9. When can you say a microprocessor is efficient?

Q10. Speed of processor will depend on what?

Q11. In 8086 how many instructions will be processed per second?



QUESTIONS ON ,C, LANGUAGE

Q1. Tell all the points which you know about malloc function?

Q2. What is a structure and its advantage?(derived data type & can use more than one data type using structs at same time)

Q3. What is difference between a structure and a union?(regarding memory usage)

Q4. Write a program for swapping of 2 numbers with out using a third variable?

Q5. (simple Arithmetic equations let x, y are variables take $x=x+y$, $y=x-y$, $x=x-y$ take an example to understand)

Q6. What is difference between a stack and a heap?

Q7. What is #define why do we use it?

MISCELENIIOUS QUESTIONS

Q1. ISO OSI Layers?

Q2. What all are the communications do you know?

Q3. Difference b/w analog and digital communications give examples?



Q4. Expand modem?

Q5. What is modulation and demodulation?

Q6. Draw all the pictorial representations of logic gates?

LOGICAL QUESTIONS

Q1. There are 36 ball which look identical but one of them is less weighted than others and there is a common balance with you in how many least chances will you trace that ball with less weight out of the group?

ANS: 4 chances

12 12 12 --> we will get group of 12 balls

4 4 4 -->we will get group of 4 balls

2 2 -->we will get group of 2 balls

1 1 -->here you will get the add ball out.