

Honeywell Paper Aptitude - General

text have No negative marking and 3 sections -technical 35 questions in 30 mins-DCT, data structures,interrupts in 8085 etc. .aptitude -30 questions in 30 mins ,C-20 questions in 15 mins-was quite easy some questions(not sectionwise)

key constraints arefor...

- (a) secondary key
- (b) primary key
- (c) foreign key
- (d)...

If a sinusoidal signal of 1100Hz is flat top sampled at a rate of 1800Hz,& this signal is passed through an ideal LPF with cutoff 1KHZ,the o/p contains the following frequency components: (This question was repeated again in the same paper !!!)

- (a)only 800Hz
- (b)...
- (c)...
- (d)...

TRAP is _____ interrupt

- (a)synchronous
- (b)asynchronous
- (c)hardware
- (d)...

When the instruction RST is executed, the control jumps to location:

- (a)0020
- (b)0024
- (c)0028
- (d)none of the above

A memory cell in static Random Access Memory is made up of:

- (a)6 mos transistors---ans
- (b)1 mos transistor and 1 capacitor
- (c)4 mos transistors and 2 capacitors
- (d)...

Worst case algorithm is meant for the case

- (a)when sometimes favourable
- (b)when worst unfavourable
- (c)...
- (d)...

A semaphore with negative count $n(s=n)$ has how many processes in the Q?

- (a)0
- (b)n
- (c)n+1
- (d)n-1

If in a PCM system the no of bits used is increased from n to $n+1$,the signal-to-noise ratio improves by

- (a)3dB
 - (b)6dB
 - (c)20ndB
- &nb

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