

Sony Written Exam Questions

The placement procedure of Sony India comprises of 2 sections:

1. Written Examination
2. HR Interview which covers group discussion

Written examination of Sony generally comprises of 4 sections:

1. Verbal Reasoning
2. Logical Reasoning and Aptitude
3. Quantitative Aptitude
4. Technical Questions

C Language

Here are some technical questions from C language

Q1. What symbol is used to terminate in the C language?

- a) Semicolon
- b) Colon
- c) Period
- d) Exclamation mark

Q2. Following two statements are executed after delivering a 20 bytes memory to a string declared as char*s
S="Etrance"

l=streln(s)
What is l?

- a) 20
- b) 8
- c) 9
- d) 21

Q3. Calculate the value of Y in the given program

X=7, y=0
If x=6, y=7
Else y=1,

- a) 7
- b) 0
- c) 1
- d) 6

Q4. Break statement is used to exit from

- a) DO loop
- b) FOR loop

- c) SWITCH loop
- d) None

Q5. In which of the following will a CONTINUE cause control to go directly to test condition and then continue the loop process?

- a) FOR and WHILE
- b) WHILE and IF-ELSE
- c) DO-WHILE and IF-ELSE
- d) WHILE and DO-WHILE

Q6. What is comma used with?

- a) IF-ELSE
- b) DO-WHILE
- c) All
- d) None

Q7. What is the difference in declaration of an external variable and its definition?

- a) Declaration causes storage space to be allocated to variable and definition gives variable properties
- b) Definition only causes storage to be allocated and declaration causes storage space to be allocated
- c) Both
- d) None

Q8. What is the overall expression of -

Char ch;
short i;
unsigned long ul;
float f;

- a) Char
- b) Unsigned
- c) Float
- d) None

Q9. C standard library supplies which string related function

- a) Strcpy()
- b) Strcat()
- c) Strcmp()
- d) None

Q10. Explicitly specified dimensions are not in which array

- a) Unsize
- b) Undimensional
- c) Unspecified
- d) None

Q11. How can u determine m's memory location in C?

- a) *m
- b) m&

- c) &m
- d) m*

Q12. math.h header can be used for providing

- a) links to assembly language for calls
- b) diagnostic and debugging assistance
- c) support for string handling
- d) none

Q13. The format specified for hexadecimal is

- a) %d
- b) %o
- c) %x
- d) %u

Instrumentation

- 1) PIN diode largest layer
- 2) Open loop transfer function of $G(s)=3 (s+2)/s^2(s+4)$
- 3) He-Ne laser is a _____ level system
- 4) Guided mode, the normalized propagation lies between _____
- 5) Signal is periodic if and only if
- 6) A real valued signal $X(n)$ is called symmetric if _____
- 7) Belt weighting system is a _____
- 8) Feed back relay it is a/an _____
- 9) Pressurization type another name _____
- 10) Software linearization is best for _____
- 11) Two port network is reciprocal if and only if _____
- 12) Pipeline improve cpu performance in _____
- 13) Fast process likes flow control in _____
- 14) A machine cycle refer to _____
- 15) Illegal 8086 instruction _____

- 16) 8255 ic receive a rset signal _____
- 17) PSW reg. In 8085 microprocessor is _____
- 18) 8051 on chip RAM is _____
- 19) CMP instruction in 8085 microprocessor _____
- 20) Charge amplifier is used in _____
- 21) Quality factor parallel LR circuit _____
- 22) System has a single pole at origin its impulse response will be _____
- 23) Transfer function defined _____
- 24) Settling time of second order system _____
- 25) Transfer function of $1000/(1+0.1s)(1+0.01s)$ _____
- 26) Question related to CRO and Transducers