

HCL-99

The questions are in order. So you no need to prepare answers and mugging that that questions. Just you mug that answers which are in order or you write all these answers on the hand compactly while you are going to exam.

Paper Model:

Section I: computerawareness(i.e general things about computer) Q.15

-ve marks: 1/4

Section II: Simple C- language Q. 15 & -ve marks: -1/4

Section III: On pointers & structures

and C++,JAVA( only 1 on this) Q.10 each quetion ->2 marks

-ve marks: -1

Section IV: Analytical Q.20 each quetion -> 2 marks.

-ve marks: -1/4

Murthy from each section I am giving one are toquetions also because for checking whether the same paper or not.

And for doubtful answers also I am writingquetions but not writing answers for these quetions.

Section-I

1). Piggy backing is a technique for

a) Flow control b) sequence c) Acknowledgement d)retransmition

ans: c piggy backing

2). The layer in the OST model handles terminal emulation

a) session b) application c) presentation d) transport

ans: b application

3) ans: a odd numbers of errors

4)Q. In signed magnitude notation what is the minimum value that can be represented with 8 bits

a) -128 b) -255 c) -127 d) 0

5) c 20

6) a 120

7) b synchronise the access

8) a system call

9) b the operating system

10) a 177333

11) d used as a network layer protocol in network and windows system

12) b has to be unique in the sub network

13) Q. there is an employee table with key fields as employee no. data in every n'th row are needed for a simple following queries will get required results.

a) select A employee no. from employee A, where exists from employee B where A employee no. >= B employee no. having (count(\*) mod n)=0

b) select employee no. from employee A, employee B where A employee no. >= B employee no. group by employee no. having (count(\*) mod n=0)

c) both a & b

d) none of the above

14) Q. type duplicates of a row in a table customer with non uniform key field customer no. you can see

a) delete from customer where customer no. exists

( select distinct customer no. from customer having count )

b) delete customer a where customer no. in

(select customer b where customer no. equal to b customer no. ) and a rowid > b rowid

c) delete customer a where customer no. in

( select customer no. from customer a, customer b )

d) none of the above

15) c Volatile modifier

----- Section I over with 15 questions -----

## SECTION-II

Section II is not covered completely But it is very very easy. You can do it very easily.

1) ans: recursion

2) long int size

a) 4 bytes b) 2 bytes c) compiler dependent d) 8 bytes

ans: compiler dependent

note: order of a,b,c,d are doubt but answer is correct.

3) x=2,y=6,z=6

x=y==z;

printf("%d",x) ?

4) if(x>2)?3:4

5)

6)

7) ans: c 6 ( question on enum )

8) ----

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14) c : class A,B and C can have member functions with same name.

15) ans: d none of the above

### SECTION-III

1) ans: b It does not work when rp is the last element in the linked list

2) ans: a always

3) ans: b 13

4) ans: b 16

5) ans: d 55,55

6) ans: c 5,10,10,3

7) ---

8) ans:d 4

9) ans: c 5

10)ans: c semicolon missing

### SECTION-IV

following are not in order:

2.  $M > D > Y$  ans: (a)

6. 10 in 4 seconds,  
? in 6 minutes =  $10 \times 6 \times 60 / 4 = 900$  ans: (a)

7.  $a=2, b=4, c=5$   
 $(a+b)/c - c/(a+b) = 11/30$  (ans).

8.  $100(1000000000+1000000000)/10000 = 2 \times 1000000$  (ans).

9. what does the hexanumber E78 in radix 7.  
(a) 12455 (b) 14153 (c) 14256 (d) 13541 (e) 131112 ans: (d)

10. Q is not equal to zero and  $k = (Q \times n - s)/2$  find n?  
(a)  $(2 \times k + s)/Q$  (b)  $(2 \times s \times k)/Q$  (c)  $(2 \times k - s)/Q$   
(d)  $(2 \times k + s \times Q)/Q$  (e)  $(k + s)/Q$

(from GRE book page no:411)  
data:

A causes B or C, but not both  
F occurs only if B occurs  
D occurs if B or C occurs  
E occurs only if C occurs  
J occurs only if E or F occurs  
D causes G,H or both  
H occurs if E occurs  
G occurs if F occurs

NOTE: check following answers.

11. If A occurs which of the following must occurs

I. F & G  
II. E and H  
III. D

(a) I only (b) II only (c) III only (d) I,II, & III  
(e) I & II (or) II & III but not both ans: (e)

12. If B occurs which must occur

(a) D (b) D and G (c) G and H (d) F and G (e) J ans: (a)

13. If J occurs which must have occurred

(a) E (b) either B or C (c) both E & F (d) B (e) both B & C ans: (b)

14. which may occurs as a result of cause not mentioned

(1) D (2) A (3) F

(a) 1 only (b) 2 only (c) 1 & 2 (d) 2 & 3 (e) 1,2,3ans: (c)

15. E occurs which one cannot occurs

(a) A (b) F (c) D (d) C (e) J ans: (b)

11 to 15:- ----- e , a , b , c , b -----

Below are in order:

16. to 20. answers:

e  
a  
c  
a