HCL SYSTEM SOFTWARE PAPER: 60 qs; 90 min. (4 sections)
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NOTE : Please check answers once again.

only this much i got , which is available here iniit-kgp

section 1.

1.which of the following involves context switch,
a) system call b)priviliged instruction
c)floating poitnt exception
d)all the above
e)none of the above
ans: a

2.In OSI, terminal emulation is done in
a)semion b)appl.. c)presenta... d)transport
ans: b

3..... 25MHz processor , what is the time taken by the instruction which needs 3 clock cycles,
a)120 nano secs b)120 micro secs
c)75 nano secs d)75 micro secs

4. For 1 MB memory no of address lines required,
a)11 b)16 c)22 d) 24
ans: 16

5. Semafore is used for
a) synchronization b0 dead-lock avoidence
c)box d) none
ans : a

6. class c: public A, public B

a) 2 member in class A,B shouldnot have same name
b) 2 member in class A,C " " " "
c) both
d) none

ans : a

7. question related to java

8. OLE is used in

a)inter connection in unix
b)interconnection in WINDOWS
c)interconnection in WINDOWS NT

9.No given in HEX ---- write it in OCTAL

10.macros and function are related in what aspect?
a)recursion b)varying no of arguments
c)hypochecking d)type declaration

11.preproconia.. does not do one of the following
a)macro ..... b)conditional compliclation
c)in type checking d)including load file

ans: c

SECTION B
———————

1.enum day = { jan = 1 ,feb=4, april, may}
what is the value of may?
a)4 b)5 c)6 d)11
e)none of the above

2.main
{
int x,j,k;
j=k=6;x=2; ans x=1
x=j*k;
printf("%d", x);

3. fn f(x)

{ if(x<=0)
return; ans fn(5) ....?
else f(x-1)+x;
}

4. i=20,k=0;
for(j=1;j<i;j=1+4*(i/j))
{
k+=j<10?4:3;
}

printf("%d", k); ans k=4

5. int i =10
main()
{
int i =20,n;
for(n=0;n<=i;)
{
int i=10
i++;
}
printf("%d", i); ans i=20

6. int x=5;
y= x&y
(MULTIPLE CHOICE QS)
ans : c

7. Y=10;
if(Y++>9 && Y++!=10 && Y++>10)
printf("..... Y);
else printf(""....)

ans : 13

8. f=(x>y)?x:y
a) f points to max of x and y
b) f points to min of x and y
c)error
d) .....

ans : a

9. if x is even, then

(x%2)=0
x &1 !=1
x! (some stuff is there)

a)only two are correct
b) three are correct
c), d) ....

ans : all are correct

10. which of the function operator cannot be over loaded

a) <=
b)?:
c)==

d)*

ans: b and d

SECTION.C (PRG SKILLS)
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(1) STRUCT DOUBLELIST
{ DOUBLE CLINKED
INT DET; LIST VOID
STRUCT PREVIOUS; BE GIVEN AND A PROCEDURE TO DELETE
STRUCT NEW; AN ELEMENT WILL BE GIVEN
}
DELETE(STRUCT NODE)
{
NODE-PREV-NEXT NODE-NEXT;
NODE-NEXT-PREV NODE-PREV;
IF(NODE==HEAD)
NODE
}
IN WHAT CASE THE PREV WAS
(A) ALL CASES
(B) IT DOES NOT WORK FOR LAST ELEMENT
(C) IT DOES NOT WORK FOR-----
(2) SIMILAR TYPE QUESTION
ANS: ALL DON' T WORK FOR NON NULL VALUE

(3) VOID FUNCTION(INT KK)
{
KK+=20;
}
VOID FUNCTION (INT K)
INT MM,N=&M
KN = K
KN+-=10;
}
SECTION D
---
(1) a=2,b=3,c=6 c/(a+b)-(a+b)/c=?
(2) no.rep in hexadecimal, write it inradiv 7
(3) A B C D E
* 4
---------- find EANS: 13
E D C B A
---
(4) GRE-MODEL TEST-1, SECTION-6(19-22)
(5) M HAS DOUBLE AMOUNT AS D, Y HAS RS. 3 MORE THAN HALF OF AMOUNT OF D
THE ORDERING A,B,C M C D C Y
ANS:DATA INSUFFICIENT D C M C Y
(6)IN STASTIC MEN CAUSE MORE ACCIDENTS THEN ONE CONCLUSION
(A) MEN DRIVE MORE THAN ONCE
(B) STASTICS GIVE WRONG INFORMATION
(C) WOMEN ARE CAUTION THAN ME ANS; C(VERIFY)
(D)-----ETC

(7) P,Q,R,S,T,U -SECURING GRANT;TWO TOURIST PARTIES AND THEN TWO SECURITY GAURDS SHOULD GO WITH EACH PARTY

P AND R-ARE ENEMIES, Q DOES NOT GO SOUTH
P&S-ARE WILLING TO BE TOGETHER

THE TWO PARTIES MAY GO SOUTH&NORTH RESPECTIVELY
AT ONE POINT EACH MAY PASS EACH OTHER THEN GAURDS CAN EXCHANGE
6 Q BASED ON THIS
(8)pq-r/s =2 what is q inferencea,n&d
(a) a can do n units of work in strs,a&b can do n units of work in 2 hrs
in how many hrs n units of work ans:3 hr 30 min p = (2s+r)/q

```
main()
{
int var=25,varp;
varp=&var;
varp p = 10;
fnc(varp)
printf("%d%d,var,varp);
}
```

(a) 20,55(b) 35,35(c) 25,25(d)55,55

[c++,c,dbms interview]
[fundamentals]
this is new paper

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application -software

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part-1:
28-questions
(5)ingless ans:RDMS
(1)bit program-ans d
(2)c ans
(3)+ 0 ans
(4)00p--ans linking
(5)------
(6)-------
(9)25--45 even no. ans--10
(10) >10 <100 ---ans=n+9

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