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> Wipro paper(System software)
> July-1997
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>
> PART --A
> -----
> 1) abcD+abcd+aBCd+aBCD
>   then the simplified function is
>   ( Capital letters are compliments of corresponding letters
>   A=compliment of a)
>
>   [a] a   [b] ab  [c] abc  [d] a(bc)* [e] none
>   (bc)*=compliment of bc
>
>   Ans:  e
>
> -----
> 2) A 12 address lines maps to the memory of
>
>   [a] 1k bytes  [b] 0.5k bytes [c] 2k bytes  [d] none
>
>   Ans:  b
>
> -----
> 3) In a processor these are 120 instructions . Bits needed to
impliment
>   this instructions
>   [a] 6  [b] 7  [c] 10  [d] none
>
>   Ans:  b
>
> -----
> 4) In 8085 microprocessor READY signal does.which of the following
>   is incorrect statements
>   [a]It is input to the microprocessor
>   [b] It sequences the instructions
>
>   Ans :  b
>
> -----
> 5) Return address will be returned by function to
>   [a] Pushes to the stack by call
>   Ans :  a
>
> -----
> 6)
>   n=7623
>   {
>       temp=n/10;
>       result=temp*10+ result;
>       n=n/10

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>     }
>
> Ans : 3267
> -----
> 7) If A>B then
>     F=F(G);
>     else B>C then
>         F=G(G);
>     in this , for 75% times A>B and 25% times B>C then, is 10000
instructions
>     are there , then the ratio of F to G
>     [a] 7500:2500 [b] 7500:625 [c] 7500:625 if a=b=c else
>                                     7500:2500
> -----
> 8) In a compiler there is 36 bit for a word and to store a character
8bits are
> needed. IN this to store
> a character two words are appended .Then for storing a K characters
string,
> How many words are needed.
> [a]  $2k/9$  [b]  $(2k+8)/9$  [c]  $(k+8)/9$  [d]  $2*(k+8)/9$  [e] none
>
> Ans: a
> -----
> 9) C program code
>
>     int zap(int n)
>     {
>         if(n<=1) then zap=1;
>         else zap=zap(n-3)+zap(n-1);
>     }
>     then the call zap(6) gives the values of zap
>     [a] 8 [b] 9 [c] 6 [d] 12 [e] 15
>
> Ans: b
> -----
>
>
> PART-B
> -----
> 1) Virtual memory size depends on
>     [a] address lines [b] data bus
>     [c] disc space [d] a & c [e] none
>
> Ans : a
> -----
> 2) Critical section is
>     [a]

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> [b] statements which are accessing shared resources
> Ans : b
> -----
>
> 3) load a
>    mul  a
>    store t1
>    load  b
>    mul   b
>    store t2
>    mul  t2
>    add t1
>
> then the content in accumulator is
>
> Ans : a**2+b**4
> -----
> 4) question (3) in old paper
> 5) q(4) in old paper
> 6) question (7) in old paper
> 7) q(9) in old paper
> -----
>

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section-1:

questions not in order.

1.distance $D=rt$ where r & t are +ve and r is constant, as t increses then

D _____

ans:D increses irrespective of r & t

2. $E=I*I*R$ what is the effect of E when I becomes $I/2$

ans: $1/4E$ (E decreases by 4 times)

3.out of 55 eggs 5 are defective. what is % of defective eggs

ans:9/11%

4.salary is 's' per month,'x'% of salary is given as bonus, if 3 month s salary is s1,s2 & s3 then what is his salary.

ans: $s_1 \cdot x/100 + s_2 \cdot x/100 + s_3 \cdot x/100$

5. consider expression 'ab' . what happens when 'a' is divided by 'c' & 'b' is multiplied by 'c'.

ans: value remains same.

6. area of triangle = $1/2 \cdot b \cdot h$ base increased by 4 times & height is divided by 2, the net effect of area.

ans: twice the original area.

7. in base representation for a rupee 100 paise, then base 8 representation what is rupee value .

ans: 144

8. $A > B, B > C, C = D, D > E$, then which is greatest
a) A/B b) A/C c) A/E d) none

ans: c

9. to travel 'm' miles the time is 'h' hours, then what is the time taken to travel M miles.

ans: $M \cdot h/m$

10. a sum 's' is divided into 4 parts. second person gets Rs 10 more than first. 3rd person is Rs 10 more than second, 4th is 10 more than 3rd. how much amount do 1st person get.

ans: $(s-60)/4$

11. fridge cost R Rs, cover value is 5, discount d% then its new cost

ans: $R - R \cdot d/100 - 5(1 - d/100)$

12. $1/8$ is divided by 's' , if 's' is increased by 2 times, what is the result.

ans: increases two times.
section 2. letter series

1. a c b d f e g i ____ ans: h

2. x y z u v w r s t ____ ans: o

3. a c f j o ____ ans: u

section 3. numerical ability

1. $10099 + 99 = 10198$

2. $31 - 29 + 2/33 = ___ \quad \text{ans: } 64/33$

3. $2.904 + 0.0006 = ___ \quad \text{ans: } 2.9046$

4. $55/1000 = ___ \quad \text{ans: } .005$

5. $0.799 * 0.254 = 0.202946$

6. $200/7 * 5.04 = 144$

7. $842.8 + 602 = 1444.8$

8. 5.72% of 418 = 23.9096

9. 625% of 7.71 = 48.1875

10. 25% of 592 = 148.00

11. $665 + 22.9 = 687.9$

12. 15% of 86.04 = 12.906

section 4 : DIAGRAMMING

each flowchart contains 5 questions .

in each flow chart, there will be 5 numbered(1,2,3,4&5)

boxes(cells).each cell we have to fill with the conditions given below

.

1. 400 employee(not complete question)

different categories based on age,salary,lenth of expereince in years

ANSWER.

cell 1-c, cell2-a, cell3-b, cell4-e, cell5-d.

2. 10 balls, red, black balls.

2 points for red balls etc.. 3 points for a ball

if it is of the same colour as preceeding one..

ANSWER:

cell 1-c, cell 3-d, cell 5-d, cell 2-e, cell 4-e.

<ceded>

3.

30 coins. these are divided into 3 groups:A,B,C to find

the only largest weight coin, other 29 coins are of lower weight.

ANSWER:

D A C A C.

4.

totally there are 100 numbers to find largest(LNUM).smallest(SNUM).

ANSWER:

A _ D _ _ _

HINT;;

feed problem to adjust temperature and pressure for optimal production.

(answer not known exactly.).

5.bag red,black balls,different condition
odd,red etc

ANSWER:

c_c__

-----end -----

there two types of jobs in wipro.1 is soft ware side
2 is hard ware side

in soft ware side there is only interview (no test)
in hard ware side both test & interview.
for software interview the main possible areas to ask are
1.a deep look into C
2.an outlook of datasrtuctures
3.operating systems
4.networking mainly ethernet,internet etc..

.....Anji

BFL PAPER (COMPUTER AWARENESS TEXT) (45QUESTIONS ,+1,-1/4,45MIN)
(ITH IN BRACKETS ANSWERS)

- 1.In scanf h is used for (short int)
- 2.process is (program in execution)
- 3.thread is (detachable unit of executable code)
- 4.advantage of Win NT over Win 95 (robust & secure)
- 5.memory managemant in Win95 (paging & segmentation)
- 6.SQL indicates (all above)
- 7.polymorphism(function & operator overloading)
- 8.inheritance is(all properties of existing class are derived)
- 9.FTP(transfer a file b/w stations with user authentication)
- 10.TCP in transport layer (connection oriented)
- 11.gateway is used (to connect incompatible networks)
- 12.linked list is implemented by (referential structures)
- 13.multitask win95 (preemptive or non preemptive check)
- 14.functional dependency (answer C)
- 15.semaphore is (synchronization of multiple processes)
- 16.precedence order from high to low (() ++ /)
- 17.preorder of $A*(B+C)/D-G$ ($*+ABC/-DG$)
- 18.B-tree (failure nodes at same level)
- 19.dense index (index record appers for every search -key in file)
- 20.answer for one questions ((*p).value =5)
- 21.merge sort time complexity ($O(n \log n)$)
- 22.program on swaping (10,5) given values are not changed
- 23.routers used (in network layer)
- 24.packets are formed (in network layer)
- 25.heap (priority queue)
- 26.copy constructor (constant reference)
- 27.while following sorting algorithm has average sorting behavior

(heap
sort)

28.in binary search tree which traversal is used for getting ascending

order values (inorder)

29.device drivers is used (tool for a i/o devices) i am not sure

30. irrelevant to unix command (getty)

31.fork in unix (system call used to create process)

32.make (creation of more than one file)

33.in unix .profile contains (start up program)

34.in unix echo is used for (answer C)

35.in unix 'ls 'stores contents in(inode block)

REFER GRE (12 TH EDITION)(QUANTITATIVE 20 Q ,+1,-1/4)

QUANTITATIVE :-

MODEL TEST 1. SECTION 3,PAGE 435 :- QUESTIONS(Q) 17 TO 20,26 29

MODELTEST 1,SECTION 4,PAGE 441:- Q 26,28,29

MODEL TEST 2,SECTION 3,PAGE 483:- Q 18,19,20,29,30

MODEL TEST 2,SECTION 4,PAGE 489 :- Q 16,30

MODEL TEST 2,SECTION 7,PAGE 501 :- Q 16

ANALYTICAL ABILITY (20 Q, +1,-1/4) QUANTUM+ANALYTICAL 45MIN

1. PAGE 397 Q 7-11(THE OFFICE STAFF OF THE XYZ CORPORATION)

2PAGE 397 Q 14-17 (AFTER MONTHS OF TALENT SEARCHING FOR AN

ADMINISTRATIVE

ASSISTANT

3.PAGE 400 Q 29-31(A CERTAIN CITY A SERVED BY SIX SUBWAY LINES)

4.MODEL TEST1,SECTION5,PAGE443,Q13-16(IN A CERTAIN SOCIETY THERE ATE TWO

MARRIAGE GROPE RED , BROWN)

5.MODELTEST3,SECTION6,PAGE544,Q 1-4(ALL G'S ARE H'S ,ALL G'S ARE J'S OR

K'S)