Daimler Sample Written Test Paper

Q1. A man went to market with some money.With that money he can buy 15 pencils or 25 pens.He kept 15% of that money for bus fare and with rest of the money he purchased 5 pencils,and x pens.How many pens he purchased?

Q2. A man climbing a wall.For every 4 steps go up he will slip down 2 steps.If he takes 12 min to 3 steps.how much time it takes to climb 48
meters and one step=2meters.

Q3. Two trains with lengths x and y ,and speeds u and v.Approaching each other how much time it takes to takes for faster train to cross other
train?

SECTION 2:

Q1.

main()

{ fork();

fork();

fork();

printf("hello");

}

How many times it will print hello?

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Q2. char A[5,6] How many bytes it requires?

Q3. Bridges are used in which layer?

Q4. Bigendian means

   a. lower byte stored in lower address

   b. lower byte stored in higher address

Q5.

   #define mmx 10+10
   *printf"%d",mmx*mmx);*

Q6.

   main()

   { j=0

   for(i=0;i<10;i++)

   { j+=i; }

   }

What is the value of i & j at the end of the loop

ANS: 10,46

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Q7. Regular expression with 2 consecutive 1s and all string of 0s and 1s

Q8. Dead lock conditions 1 question

Q9. Selective repeat widow size of sender & receiver 1 question.

Q10. Balanced trees 1 question

Section C (Programming Skills)

Answer the questions based on the following program:

```
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
}
```

Q1. In what case the prev was

    (a) All cases

(b) It does not   work for the last element

(c) It does not for the first element

(d) None of these

Answer the questions based on the following program:

```
VOID FUNCTION(INT KK)
{KK+=20;
}
VOID FUNCTION (INT K)
INT MM,N=&M
KN = K
KN+-=10;
}
```

Q1. What is the output of the following program

```
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

Section D:

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Q1. Find the value of c/(a+b)-(a+b)/c

a=2, b=3, c=6

Q2. What does the hexanumber E78 in radix 7.

(a) 12455
(b) 14153
(c) 14256
(d) 13541
(e) 131112

ANS: d

Q3. 10 : 4 seconds :: ? : 6 minutes

ANS: 900

Q4. Q is not equal to zero and k = (Q x n - s)/2.What is n?

(a) (2 x k + s)/Q
(b) (2 x s x k)/Q
(c) (2 x k - s)/Q
(d) (2 x k + s x Q)/Q
(e) (k + s)/Q

Q5. From the following statements determining the order of ranking M has double the amount as D Y has 3 rupees more than half the amount of D

ANS: Data insufficient

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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

Q6. If A occurs which of the following must occurs

I. F and 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)

Q7. If B occurs which must occur

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

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ANS: a

Q8. 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

Q9. Which may occurs as a result of cause not mentioned

  I. D
  II. A
  III. F

  (a) I only
  (b) II only
  (c) I & II
  (d) II & III
  (e) I,II & III

ANS: c

Q10. E occurs which one cannot occurs

  (a) A
  (b) F
  (c) D
  (d) C

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(e) J

ANS: b