

VERIFONE INDIA PVT. LTD. QUESTION PAPER :

This test consists of two parts :

- 1.aptitude 20 qtns 15 min.
- 2.technical 45 qtns 30 min.

```
/*
 *   APTITUDE QUESTIONS
 */
```

Few aptitude questions out of 20(15min time).

>>> All these are from GMAT'96 edition(galgotia publcatons) :

1.if length of a rectangle is incr by 20% and width is decr by 20% the
n
area:(page 44)
ANS:decreases by 4%.

2.the lead in pencil is 5inch long.after pieces of
 $1/8, 1-3/4, 1-1/12$ inches
are broken how long is the lead left in the pencil:(page44)
ANS: $2-1/24$ inch.

3.how many two digit numbers satisfy the property:the last digit of th
e
sqr of the two digit number is 8:(page45).
ANS:none.

4.city B is 8miles east of city A.city C is 6 miles north of city B.
and
so on.(page 45):
ANS:30miles .

5.if 50 apprentices can finish a job in 4 hours and 30 journey men can
finish the same job in $4-1/2$ hrs and so on.(page 46).
ANS:29/180.

6.there are 50 employees in the office of ABC company.and so on.(page
52.)
ANS:10.

7. what is the max no of points of intersection of two circles of
unequal

radii. (page 55).
ANS:2.

8.if the area of square increases by 69% then side of the square increases by:
ANS:13%

9.if x, y, z are chosen from $-3, 1/2, 2$ what is the largest value of $(x/y) * z * z$
(page 305.)
ANS:36.

10.a club has 8 male 8 female members.(page 307):
ANS:3136.

11.sum of 5 consecutive numbers is 35. how many of the numbers are prime:
(page 368).
ANS:2.

12.if the product of three consecutive integers is 210, then sum of the two smaller integers is:(page 386).
ANS:5+6=11.

13.there are 27 coins in which one is heavier than rest (all equal weight).
how many measurements are needed to isolate that odd one.
ANS:3.

```
/*
 * TECHNICAL TEST QUESTIONS
 */
```

there will be 45 questions.

```
>>>> 15(elec) + 5(netw) + 5(os) + 5(compilers and algos)
      + 5(database and misc.) + 5(datastructures) + 5(c
progs).
```

Section: ELECTRONICS:

1.A logic circuit is given and asked to identify the configuration.
ANS: XOR.

2.multi vibrator with nor gates is given
ANS: astable multi square wave output.

3.4 stage ripple counter with delay(f/f) 10msec. How much time it takes
for a state to change.

ANS: $4 \times 10 = 40$.

4. impedance of a parallel resonant circuit at resonance:
ANS: R.

5. serial to parallel conversion is done by :
ANS: shift register.

5. if the address bus is 20 bits. then the memory space is :
ANS: 1MB.

6. filtering can be done with:
i) capacitor, ii) inductor, iii) both, iv) none.
ANS: both.

7. two programs are given. one starts counting from 0 to MAX and the other starts from MAX to 0. which one executes fast.
ANS: may be MAX to 0. Think of it.

8. problem using three registers.
ANS: register A is multiplied by 11.

9. the config that is worst effected by low CMMR
ANS: Non inverting amplifier.

---- Another 6 questions are there. simple.

Networks:

1. which is not used for error correction :
ANS : bit stuffing.

2. which of the following is not function of datalink layer:
ANS : Encryption.

3. voltage levels of RS232C:
ANS : +12, -12.

4. which of the following is not used for client/server.
i) RPC, ii) TCP/IP, iii) MESSAGEQs, iv) None
ANS: none.

5.

Database:

1. which of the following is true.

ANS:the primary key in DataBase design is very important.
 2. ANS : SQL is a Non procedural query language.
 3. ANS : Time for insertion is more than time for modification.
 4
 5.

Compiler/algo/ds:

 1.Data structure used to impliment a menu:
 ANS :doubly linked circular linked list.
 2. some regular expression is given:WaW'.
 ANS : may be it is context free grammar.
 3.
 4.
 5.

OS:

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1.the feature of real time os is:
 ANS:fast context swithing.

2.ANS:os impliments protection with the help of hardware(like virtual addressing in 386/286 etc).

C programming:

some small c progs are given asked to tell the function/errors etc.
 one of the qstn(last in the paper) is an invalid statement.
 finish of all these very fast and think about those others. they are simple only.

1.int a=2,b=3,c=4;
 printf("a=%d,b=%d\n",a,b,c);
 ANS:2,3

2.for(i=1;i<10;++i,printf("%d",i));+-
 ANS:compiling error.

3.whole logic is given in func s but they are working properly.
 the main logic is :

char *string;

string=malloc(5*sizeof(char));

```
strcpy(string,"hello");
printf("%s",string);      /* func to print */
```

ANS:hello and some extra characters until uccerence of \0 .

4. in a system integer takes 3bytes and char takes 1byte

```
struct smthing{
int a;
char b[4];
};
```

ANS:sizeof struct smthing is 7 bytes.

5.

Interview:

It depends on the member.

1.Mr.Deep asks archirect of 586/486/386/286 etc. otherwise DS,OS,C,TCP/IP.

2.Mr.Abhik asks about compiler design and TCP/IP.

Suggestions in attempting :

aptitude test:

1.attempt easy questions first.

technical test :

1.Attempt C programs first.

2.Network,os,datastuctures,compilers etc.

3.Electronics and electrical.

/-----ALL THE
BEST-----/