CTS '99
Pondicherry

SECTION I - 8 questions.
Series.

1. Interchange of letters in a word and the adjacent letters are also to
be changed. given letters series like [also few condotions]
AAABBB=
ABABAB=
LET QUESTION IS ABBAAB
If we apply 25 on this it means we have to interchange the letters
at positions 2 and 5, and we have to change the adjacent letters 2 and 5
from A to B and B to A.
That is q's A B B A A B
after Step 1 i.e interchange 2 and 5.

now change adjacent elements of 2 and 5...finally answer becomes
Ans: B A A B B A

//Hint: As per question papers 5 questions above like but numbers
change.

REMAINING 3 QUESTIONS:
6. To get AAABBD from BBBAAA what ot apply:-
a) 25 b) 34 c)25 & 34 d) none

SECTION II
1. Given the function f(n a b c) = ac if n=1
f(n a b c) = f(n-1 a b c) + f(1 a b c) + f(n-1 b a c)
if n > 1
f(2) = ?
Ans: f(2 a c b) = ab + ac + bc.

2. similar question in functions.
3. [based on function in 1.] f(4 a b c) the number of terms is...?
Ans: f(4 a b c) = f(3 a c b) + f(1 a b c) + f(3 b a c) etc.
= 5ab + 5ac + 5bc.
4. f(5 a b c) = ?

SECTION III
Permutations and Combinations.
8 questions.

1. r = number of flags;
n = number of poles;
Any number of flags can be accommodated on any single pole.

i) r=5,n=5 The no. of ways the flags can be arranged ?
ii) to iv) are based on this.

6. r= 5 n = 3 . If first pole has 2 flags ,third pole has 1 flag
how many ways the remaining can be arranged?
7.& 8. same as above.

SECTION IV
Question consising of figures consist of 4 small squares and every square
having an arrow pointing in one Direction.

GRE test of reasoning.
hint: What is the next sequence if we tilt the figure by 90 degrees like
that(clockwise and mirror images ?).

SECTION V
In this section first part of compound word is given. Select meaning of
the second part from the choice given:
1. Swan
2. Swans
3. Fool
4. Fools
5. Stare
6. Lady
For all above 4 choices are given.....
Eg. Swan
a) category b) music c) --- d) none
Ans: Swansong is compound word. But song is not given as option. so
b) music is answer.

TS 99 PAPER .
This paper contains 40 questions and time is 60mts./

CTS -REC' 99(TRICHY)

SECTION-1:

Find the sequence:
(d is always NONE)

1. BC CE EG GK ?
a)KN b)KU c)KM d)
2. AA AB BC CE?
a)EG b)EH c)EI d)
3. AB EF JK QR ?
a)YZ b)ZA c)AB d)
4.ACD EGL IKT MOB?
a)QST b)QSZ c)QSY d)
5.AC CG GO OE?
a)EJ b)EI c)EL d)
6.AE BH CM DU?
a)EH b)EZ c) EB d)
7. AD DP PL LV
a)VS b)VK c)VI d)
8. SE QU EN TI?
a)CN b)BM c)AI or AZ d)

SECTION-II:

FIND THE VALUES FOR FOLLOWING PROBLEM:
F(X)= 2X-1 + f(X-1) if X NOT EQUAL TO ZERO
if f(X=0)=0
9. f(5) VALUE
a)15 b)24 c)22 d)NONE
10.f(f(2))

11.f(16)- f(15)

12.f(16)+f(15)-480

13.f(f(x))=81 THEN VALUE OF X=

14.f(X)=4f(X-1) THEN VALUE OF X=

15.f(X)= f(X-1)+f(X-2) FOR X>1 THEN X=

16.f(X)-f(X-1)=f(X-8) FOR X>5 THEN X=
SECTION -III:

###In the follwing questins we r giving ' aword'   which may not have any
meaning.Find differnet possible words or palandrams for the word as per que.
I. for the following find no of distinct words that can be formed.
17. TYGHHTT
A).420 B)1540 C)840 D)NONE
18. TYGHHTY
19. TYGHHTT
20. TYGHHTT
21. TYGHASD
22. TYGHHTY
II Find NO OF POSSIBLE PALANDRAMS for following
23. TYGHHTY
24. TYHHHTYH.
/*dEAR FRIENDS DON,T CONFUSE WITH THE WORDS REPEATED.Iam sure.Words are
same.They might have changed the questionsfor20,21,22.Concentrate on that
respect*/
25 to 32 are figures.Uhave to analyse them.He will give five figs.One is not
correct
SECTION IV:
It having complete of figs.(26 -32)
SECTION -V:

For following first find out the anagram and then note the corresponding
meaning.
33.TABLET(anagram means first u arrange the letters in correct order like
(TABLET===BATTLE . so ans is FIGHT i.e. B)
34.RUGGED
35.GORE.
36.STASSI.
For all above choices are.

A) resentment B)Fight c)Help d) Monster
37. ENFOLD
38. LAMB
39. RECEDE.
40. PLEASE.
For above 4 choices are same
A)cuddle B)sleeping c)proclamination d)ointment.