CTS 98
IIT MADRAS

analogies
----
1. slur : speech
ans: smulge : writing (choice is B)

7. cpahlet : shoulder
ans: ring : finger (choice is C)

8. vernanlar : place
ans: finger print : identical (choice is B)

opposite

9.corphlent
ans: emaciated (choice is D)

10. officious
ans: pragmate (choice is D)

11. dextrous
ans: clumsy (choice is B)

12 -14: each sentense is broke to four sections a,b,c,d.choose which has mistake mark (e)
find no mistake.
12:a)phylchologists pointout that
b)there are human processes
c)which does not involve d) the use of words(choice is A)

13:a)jack ordered for
b)two plates of chicken
c)and a glass d)of water (choice is A)

14:a) politics is
b) (choice is
A)(are)

16 - 20: each question of group of questions is based on a passage or a setof conditions for
question,select the best answer choice given.
(i).if it is fobidden by law if the object of agreement is the doing of an act,that is forbidden
the agreement is void.
(ii). if it is of the nature that,it would defeat the provision of any law is the agreement is vc
object of agreement is such that thing got directly forbidden by law it would defeat the pro
statuary law.
(iii). if the object of agreement is fraddulent it is void.
(iv). an object of agreement is void if it involves or implies to the personnal property of anc
(v). an object of agreement is void where the constant regards as ignored.
(vi). an object of agreement is void where the constant regards is as opposed to public poli

17. A,B,C enter an agreement for the division a many them of gains acqest or by be acquit
them by them by the argument is void as:
ans: ---- (choice is D)

21-25) An algorithem follws a six step process za,zb,zc,zd,ze,zf, it is governed by follwing:
(i) zd should follw ze
(ii) the first may be za,zd or zf
(iii) zb and zc have to be performed after zd
(iv) zc must be immediately after zb

21) ans:- D22) if za the first set zd must be
a) 3rd
b)5th
c)2nd
d)4th ans:- A or D (probably a)

23) zf can be 3rd or 5th------any of the six, first, second or forth only,any of first four only ı
these:
ans:- B

24) if zb must follw za then
a)za can only 3rd or fourth
b) first or second
c) can not be third
d) fouth or fifth
e)none
ans:- A

25) ze is third term the no of diff operations possible is
ans:- D (dabad)

26-31) ravi plans six sep-- x,y,z,w,u,v in rows no 1 to 6 ,according to the follwing conditior
must plant x before y and u he must plant y " w the 3rd has to be z

26) which could be in order
a) xuywzv
b) xvzyuw
c)zuyxwv
d)zvxuwy
e) wyzuvx
ans:- B

27) which is true
a) z before v
b) z before x
c) w before u
d) y before u
e) x before w
ans:- D

28) if he plans v first which is second x,y,z,w,u so ans is 'x'.
choice is A.

29) which is true
a) x,3
b)y,6
c)z,1
d)w,2
e)u,6
ans:- E

30) if he plans b 6th which would be first and second
a) x and w
b) x and y
c)y and x
d)w and z
e) w and u
ans:- B

31) if he plans w before u and after v he should plan w at
a) first

a) first
b)second
c)fourth
d)fifth
e)sixth
ans:- D

32)thursday

33)a&d

34)south hit

35)

36)at a certain moment a watch showes 2 min lag althogh it is fast.if it showed a 3 min lag
moment ,but gain 1/2 min more a day than it does. it would show the true time one day so
than it usually does .how many mins does the watch gain per day.
a).2
b).5
c).6
d).4
e).75
ans : e
---->(discount problem) 20%->15%then->32% (ans:32%)

37)in 400m race a gives b a start of 7 sec & beats by 24m.in another race a beats by
sec.the speeds are
a)8,7
b)7,6
c)10,8
d)6,8
e)12,10
ans:c(10,8)

38)3x+4y=10
x cube+y cube=6 minimum value of 3x+11y=?
ans=?

39)0.75

40)-

41)sink---7.7kms--->fills 2 1/4 t is 5.5 min. 92 tonnes enough.. sink throws out 18 tonn
avg. speed to
a)1.86
b)8.57
c)9.4
d)11.3
e)10.7

42) . _____
/ \ 2 2 cms
/_a_\ _____
/ \ 3 2 cms area of the d=50 cm square
/___b___\ _____ what is the area of the b=?
/ \ 4 2 cms
/_____c_____\ _____
/ \ 5 2 cms ans=(10.7)
/_____d_____\ _____

43)600 tennis players 4% >wrist band on one wrist of remain 96% >25% >on bc

43)600 Tennis players 4% ->wist band on one wist of remain 96%->25%->on be hands
remain no of ---(ans:312)

44)312(doubt) or 432

45)in how many ways 5e,6s,3f be arranged if books of each language are to be kept togeth
17,64800,90,58400,3110400
ans:e(3!*5!*6!*3!=3110400)

46)---

47)three types of the a,b,c costs Rs. 95/kg,100/kg&70/kg .how many kg of each be bl
to produce 100 kg of mixture worth Rs.90/kg,gives that the quntities of b&c are equal
a)70,15,15
b)50,25,25
c)60,20,20
d)40,30,30
ans:b

48)water milk problem

49)x+y+z=w
q)two distinct no's are taken from 1,2,3,4......28
a)probably that the no is 6 -->1/14
b)probably that it exceeds 14 -->1/28
c)both exceed 5 is 3/28
d)less than 13->25/28 (24/28)
e)none
ans:d

51)1200 died 6
due to acc 7

55)170%

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 le
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
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) noneSECTION 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?

5.AC CG GU UE?
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)

II having complete of figs.(20-32)
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.