# TCS Sample Paper

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## SYNONYMS

timid - lack of self confidence
VORACIOUS -ravenous, glutonous,  insatiable, avid,
hungry, greedy
awry-crooked
lrksome -annoying, tiresome,exasperating
remonstrate - protest;
whimsical  -capricious, un-predictable, unusual
retrograde -move backward,degenerate.
veracious - truthfull
glib - fluent
rubble - broken stone.
quixotic - extravagantly idealistic;  impractical
ameliorate - improve
misanthrope - hater of humanity, pessimist
platitude - trite remark
Foray -raid,incursion,venture,sortie,attack,assault
scatny - meager,insufficient
Frugality - Economy
multilingal - many languages
arid - dry
cognizant - knowledge
latitude - freedom from narrow limitations
inimical - adverse,hostile
cliche - trite _expression

## SECTION I

1. If VXUPLVH is written as SURMISE, what is SHDVD ?
           Ans. PEASA (hint: in the first
word, the alphabets of the jumbled one is three
alphabets after the corresponding alphabet in the word
SURMISE. S = V-3, similarly find the one for SHDVD)

2. If DDMUQZM is coded as CENTRAL then RBDJK can be

coded as ---------

Ans. QCEIL (hint: Write both the jumbled and the coded word as a table, find the relation between the corresponding words, i.e C= D-1, N=M+1 & so on

3. In the word ECONOMETRICS, if the first and second , third and forth ,forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

Ans. word is CENOMOTEIRSC tenth word is R

4. Find the result of the following __expression if, M denotes modulus operation, R denotes round-off, T denotes truncation:  M(373,5)+R(3.4)+T(7.7)+R(5.8)

Ans. 19

5. What is the largest prime number that can be stored in an 8-bit memory?

Ans.

6. Find the physical quantity in units from the equation: (Force*Distance)/(Velocity*Velocity)

Ans. Ns2/m

7. Find the value of @@+25-++@16, where @ denotes "square" and + denotes "square root".

Ans: 621

8. If f(0)=1 and f(n)= f(n-1)*n, find the value of f(4).

Ans: 24

9. Convert the decimal number 310 to the base 6.

Ans: 1234

10. Find the missing number in the series: 2,   5, __ ,   19 ,   37,    75

Ans: 9

11. In a two-dimensional array, X(9,7), with each element occupying 4 bytes of memory, with the address of the first element X(1,1) is 3000, find the address of X(8,5).

Ans.

12. Find the fourth row, having the bit pattern as an integer in an 8-bit computer, and express the answer in its decimal value.

```
A  0 0 0 0 1 1 1 1
B  0 0 1 1 0 0 1 1
C  0 1 0 1 0 1 0 1
```
(AU(B-C))  ?

Ans. 29

13. Complete the series 2, 7, 24, 77,__  (hint: 2*12= 24, 7*11= 77, therefore 24*10= 240)

Ans: 240

14. Consider the following diagram for answering the following questions:

A. Find the difference between people playing cricket and tennis alone.

Ans: 4

B. Find the percentage of people playing hockey to that playing both hockey and cricket.

Ans:

C. Find the percentage of people playing all the games to the total number of players.

Ans: 6%

15. One more question of the same type (Same type of diagram; of course in a different set)

1. How many more or less speak English thanFrench?

2. What % people speak all the three languages?

3. What % people speak German but not English?

{In another set cricket, hockey and tennis are changed with the name of some computer languages, such as Java, Cobol, Fortran (may be some other name)}

16. Select the odd one out
    a. Oracle                    b. Linux                    c. Ingress
          d. DB2

17. Select the odd one out
       a. SMTP                    b. WAP
                   c. SAP
       d. ARP

18. Select the odd man out.
       a. Java                    b.
Lisp                    c. Smalltalk
           d. Eiffel

19. Which of the following are orthogonal pairs?
       a. 3i+2j
b. i+j                         c. 2i-3j
              d. -7i+j

20. Number of faces, vertices and edges of a cube
       a. 12,8,6
b. 4,6,8                   c. 6,8,12
           d. 6,12,8

21. Given a Bar Chart showing the sales of a company.
(In Figure) The sales in years as shown in the figure
are (in crores) 1998-1999 - 130, 1997-1998 - 90,
1996-1997 - 90, 1995-1996 - 70

   1. The highest growth rate was for the year
           Ans. 1998-1999

   2. The net increase in sales of the company in the
year span of 1995-1999
           Ans. 60 crores.

   3. The lowest growth rate was for the year
           Ans. 1997

22. Find the value of the decimal number to the base
7.
           Ans. 1436.

23. Complete the series:5,6,7,8,10,11,14,__.
           Ans. 15

24. If the vertex (5,7) is placed in the memory. First
vertex (1,1) 's address is 1245 and then address of
(5,7) is ----------
           Ans.

25. In which of the system, decimal number 384 is
equal to 1234?
            Ans.

26. A man, a woman, and a child can do a piece of work
in 6 days. Man only can do it in 24 days. Woman can do
it in 16 days and in how many days child can do the
same work?
            Ans.

27. In Madras, temperature at noon varies according to
-t^2/2 + 8t + 3, where t is elapsed time. Find how
much temperature more or less in 4pm to 9pm.
            Ans.

28. The size of the bucket is N kb. The bucket fills
at the rate of 0.1 kb per millisecond. A programmer
sends a program to receiver. There it waits for 10
milliseconds. And response will be back to programmer
in 20 milliseconds. How much time the program takes to
get a response back to the programmer, after it is
sent?
            Ans.

29. The size of a program is N. And the memory
occupied by the program is given by M = square root of
100N. If the size of the program is increased by 1%
then how much memory now occupied ?
            Ans.

30. A power unit is there by the bank of the river of
750 meters width. A cable is made from power unit to
power a plant opposite to that of the river and
1500mts away from the power unit. The cost of the
cable below water is Rs. 15/- per meter and cost of
cable on the bank is Rs.12/- per meter. Find the total
of laying the cable.
            Ans. Rs. 22,500 (hint: the plant
is on the other side of the plant i.e. it is not on
the same side as the river)

{There are two questions, both showing a curve. In the
first one, you have to identify the curve. In the
second one you have to Write the equation of the
curve. In }

SECTION II

1. If A can copy 50 pages in 10 hours and A and B together can copy 70 pages in 10 hours, how much time does B takes to copy 26 pages?

     a.                b.

       c.             d.

2. Match the following:

     1. Male - Boy        --->
a.   A type of

     2. Square - Polygon   --->   b.
  A part of

     3. Roof - Building    --->
c.   Not a type of

     4. Mushroom - Vegetables  --->   d.
A superset of

      Ans: 1- d, 2- a, 3- b, 4- c

3. Match the following.

     1. brother – sister     --->
a. Part of

     2. Alsatian – dog     --->
b. Sibling

     3. sentence – paragraph   --->   c.
Type of

     4. car - steering      --->
 d. Not a type of

      Ans. 1-b, 2-c, 3-a, 4-d

Questions 20- 24 are based on the following passage:

The office staff of the XYZ corporation presently consists of three bookkeepers (A, B and C) and five secretaries (D, E, F, G and H). Management is planning to open a new office in another city using three secretaries and two bookkeepers of the current staff. To do so they plan to separate certain individuals who do not function well together. The following guidelines were established to set up the new office:

I. Bookkeepers A and C are constantly finding fault with one another and should not be sent as a team to the new office.

II. C and E function well alone but not as a team. They should be separated.

III. D and G have not been on speaking terms for many months. They should not go together.

IV. Since D and F have been competing for promotion, they should not be a team.
Ans.

4. If A is to be moved as one of the bookkeepers, which of the following cannot be a possible working team?

(a) ABDEH     (b) ABDGH
(c) ABEFH     (d) ABEGH     (e) ABFGH

5. If C and F are moved to the new office, how many combinations are possible?

(a) 1         (b) 2
(c) 3         (d) 4
(e) 5

6. If C is sent to the new office, which member of the staff cannot go with C?

(a) B         (b) D
(c) F         (d) G
(e) H

7. Under the guidelines developed, which of the following must go to the new office?

(a) B         (b) D
(c) E         (d) G
(e) H

8. If D goes to the new office which of the following is (are) true?

I. C cannot go.
II. A cannot go.
III. H must also go.

a. I only.         b. II only.
c. I and II only.         d. I and III only.
e. I, II and III.

9. Two stations A & B are 110 km apart. One train starts from A at 7 am, and travels towards B at 20kmph. Another train starts from B at 8 am and travels towards A at 25kmph. At what time will they meet?

a. 9 am         b. 10 am
c. 11 am         d. 10.30 am

10. If a man can swim downstream at 6kmph and upstream at 2kmph, his speed in still water is:

a. 4kmph          b. 2kmph
c. 3kmph              d. 2.5kmph

Answer the following three questions based on the paragraph:
A student applying at a college should take three courses. There are altogether four courses, namely, Science, Maths, Social Sudies and Economics. (The names may vary, but the pattern is the same)
One can take a Science course onty if he has taken a Maths course.
One can take a Maths course only if he has taken a Science course.
One can take a n Economics course only if he has taken a Social Studies course.

11. Which of the following is a possible course?
        a. Two Science courses and a Social
Studies Course.
        b. Two Maths courses and an Economics course.
        c. One Mats course, one Science course and a Social Studies course.
        d. One Maths course, one Science course and an Economics course.

12. Which of the following courses a student can take?
        I. One Science, one Social Studies, one Economics
        II. Two Science, one Social Studies
        III. Two Science, one Maths.
    a. I only
b. III only              c. I and II only
        d. II and III only

13. Which of the following is not a possible course?
        a. Two Science courses and a Maths course.
            b. Two Maths course and a Science course.
        c. One Maths course, one Science course and a Social Studies Course.
        d. One Maths course, one Science course and an Economics course.

Syno:

Pillage – steal , loot , plunder                    Cleft   - split , crack

Incesment –
Brazen - bold , shameless
Awry  -  skewed , twisted , crooked
Remiss – careless , negligent
Defection - desertion
Ensue - follow
Avid  - keen , eager
Rupidiate   Repudiate -  reject,deny
Gauche   - clumsy, vulgar
Intrinsic  - essential
Gaudy – flashy , showy
Hidebound – narrow minded
Incognitent -
Intermittent – irregular,broken
Clastrophobia - fear
Contraband – illegal trade
Pagm *concealed rapt*
Voracious – avid,hunger,greedy
Seedy – sleazy,seamy
Omniscience – knowing all
Diatribe – attack,criticism
Slack -  loose, relaxed
Felicitous – fortunate,luck
Relish – enjoy,savor
Aloofness – unfriendliness, remoteness
Ambiguity - unknown
Pattry
Baleful – threatening, malevolent
Odium – hatred, disgust
Lapidarian
Gambol - skip
High handed – dominant,imperious
Retrospection - perception
Antithe
Pagan
Genuflect – kneel,bow
coerce – force,compel
Indubitably – undoubtedly, certainly
Extraneous – irrelevant , unrelated
Corpulent – fat,pump
Transient – momentary
Spurious – false,fake
Whimsical - fancy
Braggadocio -
Chimerical
Callow – inexperience,naive
Menial – unskilled,boring

Indigenous – native,original
Ambiguity
Foil – frustrate,halt


Anto:


Awry
Consensus * disagreement
Retrograde * forward looking
Galleon
Chide * praise
Depravity * goodness,righteousness
Paradox * consistency
Stilted  * natural
Levity * gravity
Fritty
Genry



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Depravity * goodness,righteousness

Paradox * consistency

Stilted  * natural

Levity * gravity

Fritty

Genry

PSG Tech 07.06.2004  - Some Verbal

(Analyticals were from 13th edition Barron's GRE Guide, mainly from the 5 model test papers at the last.  There were no alterations in the questions or the choices and was simply replicated from the book.  But there were only 4 questions under each annals problem  in the TCS test – there are 5 in book.  Which 4 of these 5 will appear is not predictable). Some of these words are not correctly spelt.                                                                         Bear                                              with!

Synonym

1. Insimate
2. Banal
3. misdemeanour
4. bombastic
5. tenacious
6. repellent
7. ensue
8. reprobate
9. acerbity
10. gambol
11. ameliorate
12. confiscate
13. quixotic
14. foray
15. fidelity
16. inimical
17. stoic
18. haggard
19. cacophony
20. discord
21. fledgling
22. incongruous
23. ingenious
24. estrange
25. clandestine

Antonym

1. loutish
2. prevaricate
3. Hilary
4. admonition
5. boonish
6. dangle
7. spur
8. apex
9. aplomb

10. veracious
11. cliché
12. muggy
13. bouillon
14. incocus
15. proximity
16. indement
17. whimsical
18. distal
19. transient
20. predominant
21. mockish
22. misanthrope
23. miscanprehencia
24. doltish
25. mullet
26. gadfly
27. ignominious
28. hidebound
29. reticence
30. tantamount
31. estrange