

This test is not conducted by TCS directly, but by a consultancy, named *Venture Management Associates*, based in Trivandrum, Kerala.

Directions:

The duration of the test is 2 hours. The test is divided into 3 parts.

Part I	English Synonyms etc	34 Questions	
Part II	Arithmetic	32 Questions	Total: 78 Questions
Part III	Critical Reasoning	12 Questions.	

Part I and Part III are Multiple Choice Questions and Part II is filling up the Blanks model. There are 10 synonyms, 10 antonyms, both of MCQ type.

In section I there is a passage with seven blank spaces and nine sentences as answer choices. This passage is about 'mind power'. You have to choose the correct sentence and put the correct choice in the appropriate blank in the main passage. You have to be thorough with the English to answer this Question. The rest of the section is simple Mathematics problems. It would be good if you take a quick glance to the +2 Maths, since they ask questions curves, equations and gradients.

Section II consists of simple arithmetic problems and some reasoning problems. You have write the answer on the answer sheet and no choices are given.

Section III is "Critical Reasoning", and the questions are of MCQ type.

They have SIX Question paper sets, named A, B, C, D, E and F. We have tried to draw a general pattern and have included many sample questions which are in the same pattern with the papers.

SYNONYMS

CENSURE

- a. purify
- b. *approve*
- c. edit
- d. uncertain

EFFUSIVE

- a. wise
- b. reserved
- c. peaceful
- d. *spontaneous*

SACROSANCT

- a. *too important*
- b. worship
- c. sacrifice
- d. best

ONUS

- a. honest
- b. inclination
- c. *responsibility*
- d. accuse

GREGARIOUS

- a. logical
- b. *helpful*
- c. solitary
- d. noisy

CLUTCH

- a.
- b.
- c.
- d.

DIVERGENT

- a.

EMPIRICAL

- a. theoretical

AUGMENT

- a. decrease

- b.
- c. *deviating*
- d.

- b. *mathematical*
- c. verbal
- d. royal

- b. belittle
- c. simplify
- d. *magnify*

FIDELITY

- a. restlessness
- b. *disloyalty*
- c. feeble
- d. vagueness

CITE

- a. galvanize
- b. *quote*
- c. locate
- d. visualize

GENERIC

- a. external
- b. particular
- c. personal
- d. subdued

SURVEILLANCE

- a. inattention
- b. visibility
- c. census
- d. prevention

TENACIOUS

- a. intentional
- b. obnoxious
- c. *holding fast*
- d. collecting

DIVULGE

- a. look
- b. refuse
- c. deride
- d. *reveal*

WHIMSICAL

- a. victorious
- b. swift
- c. *fanciful*
- d. momentary

TRANSIENT

- a. *ephemeral*
- b. permanent
- c. clear
- d. emptiness

EFFIGY

- a. *dummy*
- b. organ
- c. charge
- d. accordion

NASCENT

- a. threat
- b. purpose
- c. quality
- d. *emerging*

VOLUBLE

- a. worthwhile
- b. *loquacious*
- c. circular
- d. serious

PRECARIOUS

- a. *hazardous*
- b. priceless
- c. premature
- d. primitive

BENIGN

- a. *kindly*
- b. malignant
- c. envy
- d. tenfold

CANDID

- a. vague
- b. *outspoken*
- c. experienced
- d. anxious

SONOROUS

- a. reassuring
- b. *resonant*
- c. repetitive
- d. sisterly

ANALOGOUS

- a. capable
- b. culpable
- c. *comparable*
- d. corporeal

VERACITY

- a.
- b.
- c. *truthfulness*
- d.

CIRCUITOUS

- a. *indirect*
- b. complete
- c. obvious
- d. aware

ATTENUATE

- a. appear
- b. *weaken*
- c. testify
- d. soothe

STANDING

- a. reputation
- b. activity
- c. long time
- d. *duration*

PEDIGREE

- a. dogs
- b. vast
- c. courage
- d. *line of ancestry*

ANTONYMS:

EXPEDIENT

- a. illiterate
- b. delayed
- c. *mistake*
- d. impediment

DANGLE

- a. hanging
- b. loose
- c. *secure*
- d. mingle

AUGMENT

- a. keep away
- b. be disturbed
- c. *to increase*
- d. dig out

IRRADIATE

- a. agreement
- b. distance
- c. flight
- d. clarity

SPENDTHRIFT

- a. *miser*
- b. savings
- c. cautious
- d. extravagant

BOLSTER

- a. defeat
- b. *to strengthen*
- c. be angry
- d. depth

ANOMALY

- a. desperation
- b. requisition
- c. registry
- d. *regularity*

INDIGENOUS

- a.
- b.
- c.
- d.

COMPLIANCE

- a. light
- b. fresh
- c. take away
- d. energize

BENIGN

- a. peaceful
- b. blessed
- c. wavering
- d. *malignant*

CRYPTIC

- a. futile
- b. famous
- c. *candid*
- d. indifferent

DEBILITATE

- a. *balmy*
- b. bedevil
- c. animate
- d. deaden

ANALOGUE

- a. same
- b. *digital*
- c. lengthy
- d. dull

OPTIMUM

- a. pessimistic
- b. minimum
- c. chosen
- d. *worst*

DEROGATORY

- a. roguish
- b. immediate
- c. conferred
- d. *praising*

ANALOGOUS

- a. *not comparable*
- b. not capable
- c. not culpable
- d. not congenial

RETROGRADE

- a. *progressing*
- b. inclining
- c. evaluating
- d. concentrating

ERRONEOUS

- a. *accurate*
- b. dignified
- c. curious
- d. abrupt

CENSURE

- a. process
- b. enclose
- c. *praise*
- d. penetrate

TRANSIENT

- a. carried
- b. close
- c. *permanent*
- d. certain

EXONERATE

- a. forge
- b. *accuse*
- c. record
- d. reimburse

DIVULGE

- a. converge
- b. intake
- c. involve
- d. *conceal*

VERITY

- a. *falsehood*
- b. sanctity
- c. rarity
- d. household

GREGARIOUS

- a. anticipating
- b. glorious
- c. *antisocial*
- d. similar

SURVEILLANCE

CENSURE

OBJECTIVE

- a. *inattention*
- b. *visibility*
- c. *census*
- d. *prevention*

- a. *augment*
- b. *eradicate*
- c. *enthrall*
- d. *commend*

- a. *indecisive*
- b. *apathetic*
- c. *emotionally involved*
- d. *authoritative*

HAMPER

- a.
- b.
- c.
- d.

EMPIRICAL

- a. *theoretical*
 - b. *mathematical*
 - c. *verbal*
 - d. *royal*
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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: $(\text{Force} \times \text{Distance}) / (\text{Velocity} \times \text{Velocity})$

Ans. Ns^2/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

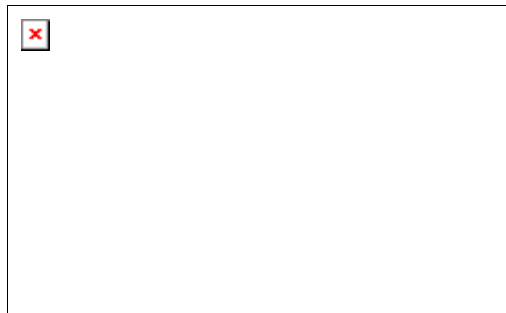
$(AU(B-C))$?

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 than French?

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.

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 Studies and Economics. (The names may vary, but the pattern is the same)

One can take a Science course only 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.

