

CTS Sample Paper

Jobs-Junction.com

Company : CTS
Date :
College :

Q.1.....

S = (a,b,(c),(d))
T = (a,c,(d))

F(s) = Only the first element
= (a)
G(s) = excluding the first element
= (b,(c),(d))
H(s,t) = All element of S & T.
= (a,b,(c),(d),a,c,(d)) = S

Perform the following operations answers

i. FFGG(s)	(d)
ii. FGFG G(T)	(d)
iii. FGGGF(s)	(d)
iv. GGFFG(S)	(b) May be
v. H(GGF(S), FFG(T))	(a) may be
Vi. h(gfg(s), h(gf(t), ffg(s)))	(c) May be

Q.....2

$$a^b = 1 + a * (a^{b-1}) \text{ when } b > 0$$
$$= 1 \text{ when } b = 0$$

i. $4^2 = 21$
ii. $4^3 = 85$
iii.
iv.
v. $(a^2)^b$
vi. $(a^3)^1$
vii. $[4^{(y+1)}]$
viii. $4v$ (I don't know)

Q.....3

There are 18 buttons , 6 red , 6 Yellow, 6 green

How many ways they can be arranged in

- i. 2 piles so there are equal no. of buttons in each pile.
- ii. 3 pile so that each pile contains 2 buttons of each color
- iii. in 2 pile so thjat all button of red and yellow are in diff. Piles.
- iv. In 3 piles so that each pile contains 3 buttons of two colors.
- v. In 2 piles so that each pile contains 3 buttons of yellow.
- vi. No piles are containg green and yellowand distribute in 2 piles.

Q.....4

Unscramble the given words and find the first and last letter

- I. geometry
- II. equation
- III. algebra
- IV. humtrete.(Ambiguous)---Meaning theorem
- V. arithmaic
- VI. trigonometry
- VII. mathemaics
- VIII. mathematics

(I am also confused regarding this question)

Q,.....5

Some Graphical interpretation

Seven figure are given on each but in which 4 are of one type and three are of another type find the sequence of the 3 figures