







# GATE 2018 Computer Science General Aptitude (GA) Set-3





Q. 1 - Q. 5 carry one mark each.

They're bringing their books from

They're x "From where are they bringing their books? Q.1

The words that best fill the blanks in the above sentence are

- (A) Their, they're, there They're, their, there
- (C) There, their, they're (D) They're, there, there

Their! - pointing beoble
Parents keen to help their children
There! - for place
They're! - pointing towards a gloup.
Ly They're happy





Q.2 "A Meander's investigation can sometimes yield new facts, but typically organized ones are more successful."

The word that best fills the blank in the above sentence is

(A) meandering (B) timely (C) consistent (D) systematic

An Act of following winding course

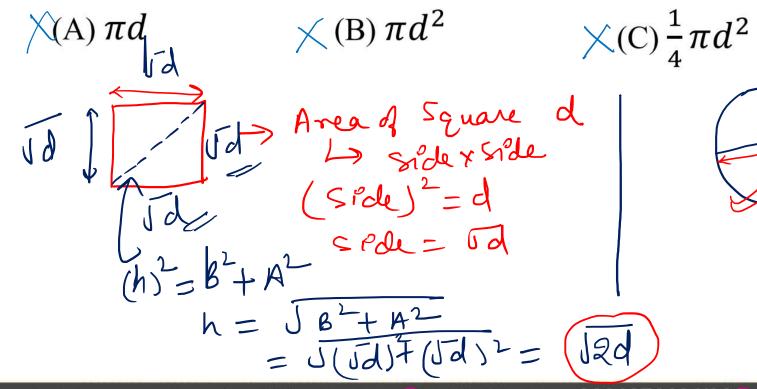
Proceeding in a convoluted or underected fashion

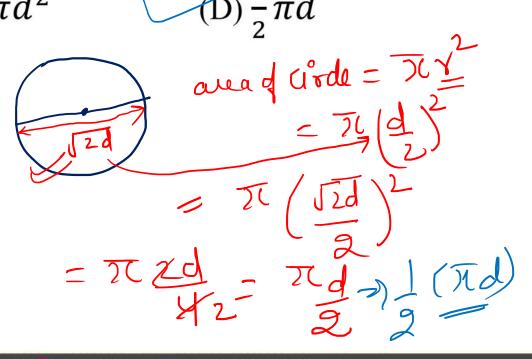
Les un organised.





Q.3 The area of a square is d. What is the area of the circle which has the diagonal of the square as its diameter?









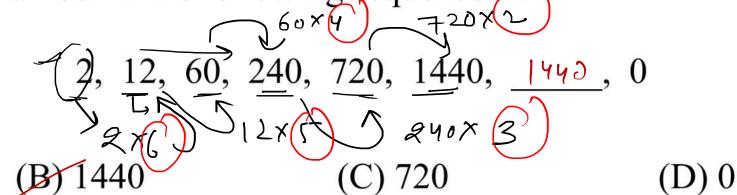
Q.4 What would be the smallest natural number which when divided either by 20 or by 42 or by 76 leaves a remainder of 7 in each case?

63847 (B) 6047Find a smallest # that can be divided by 20, 42 and 76 2) smallest +7 => (New#) == > Lcm (20,42,76) = 7980 7980+7= 7-987





Q.5 What is the missing number in the following sequence?



(A) 2880

2×6, 12×5, 60×4, 240×3, 720×2, [1440×1), 9/4/0×6

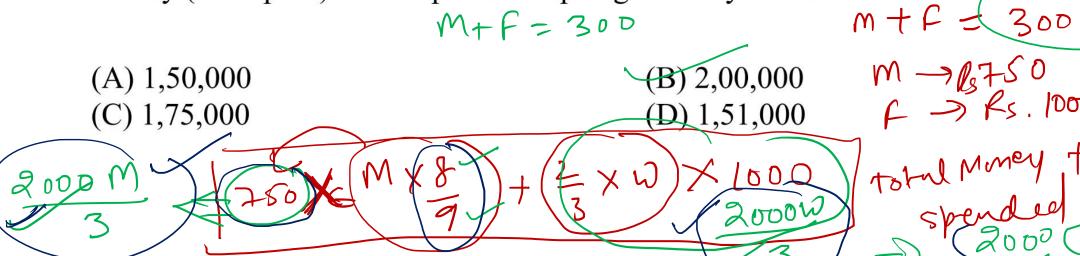
7 1440×17 31440





#### Q. 6 - Q. 10 carry two marks each.

In appreciation of the social improvements completed in a town, a wealthy philanthropist Q.6 decided to gift Rs 750 to each male senior citizen in the town and Rs 1000 to each female senior citizen. Altogether, there were 300 senior citizens eligible for this gift. However, only 8/9<sup>th</sup> of the eligible men and 2/3<sup>rd</sup> of the eligible women claimed the gift. How much money (in Rupees) did the philanthropist give away in total?





#### PREVIOUS YEAR

### GATE QUESTION PAPER SOLUTIONS COMPUTER SCIENCE

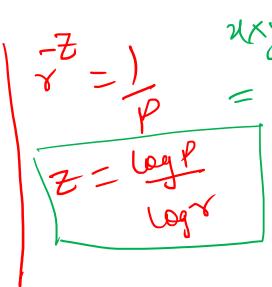


Q.7 If 
$$pqr \neq 0$$
 and  $p^{-x} = \frac{1}{q}$ ,  $q^{-y} = \frac{1}{r}$ ,  $r^{-z} = \frac{1}{p}$ , what is the value of the product  $xyz$ ?

$$\begin{array}{c} X(A) - 1 \\ - X = 1 \\ \log P = \log \left(\frac{1}{q}\right) \end{array}$$

$$- \chi \log P = \frac{\log 1 - \log 9}{0}$$

$$\langle (B) \frac{1}{pqr} \rangle$$







Q.8 In a party, 60% of the invited guests are male and 40% are female. If 80% of the invited guests attended the party and if all the invited female guests attended, what would be the ratio of males to females among the attendees in the party?

(A) 2:3Osample data

Total guest = 100

60 males quo fanal

only 80y. Attended Party= 80

80-40 f = Male 2) Total guest = X 60% - M 40% -> F 80% (total guest)= 40 male who Attudy



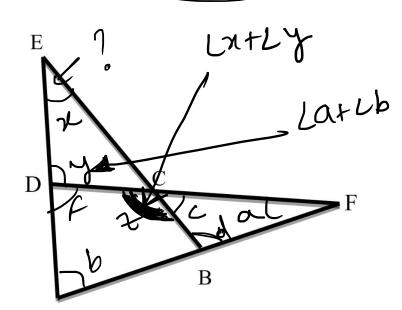
#### **PREVIOUS YEAR**

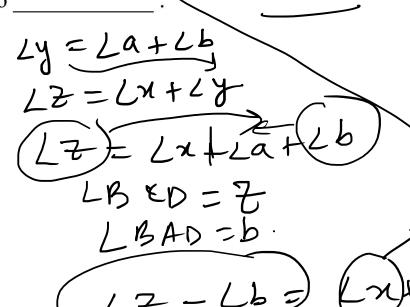
#### QUESTION PAPER SOLUTIONS COMPUTER SCIENCE



In the figure below,  $\angle DEC + \angle BFC$  is equal to Q.9

1x+1a





 $(C) \angle \overline{BAD}$ 

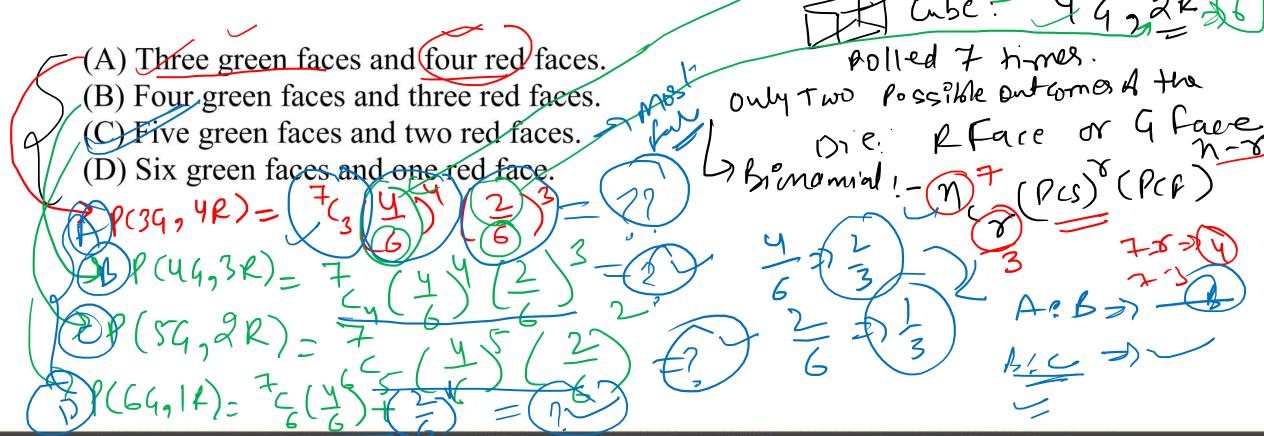
(B) 
$$\angle BAD + \angle BCF$$

(D) 
$$\angle CBA + \angle ADC$$





Q.10 A six sided unbiased die with four green faces and two red faces is rolled seven times. Which of the following combinations is the most likely outcome of the experiment?









- Accelerate your learning experience
- Equip your self with the right tools knowledge and learn
- With the most immersive learning experience
- Learn industry Tools & Technologies



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