

## ENGINEERS' INN

### GAT GENERAL 2015 CATEGORY A

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#### QUANTITATIVE

- 1) What is the area of circle if point lies on (1,1)?
- 2) clock angle at 3:30?
- 3) Average of first 4 multiple of 5
- 4) angle at 3:00am?
- 4)  $X^2 + (x)^{1/2} + x$  value of x is 9 ?
- 5)  $(1 + \cos x)(1 - \cos x)$
- 6)  $1 - \cos^2 x = ?$
- 7) Vertex Of cone?
- 8)  $(\cos Q + \sin Q)^2 = ?$
- 9)  $2 \cos Q \sin Q = ?$
- 10)  $9x^2 + 2x + 25 = ?$
- 11) 1/6% of what number is 6
- 12)  $1/\cos Q \times 1/\tan Q \times \sin^2 = ?$
- 13) Length of a rectangle greater than twice its width. find area if perimeter is 48.
- 14) What will be the value of C if this equation has only one solution.  $X^2 + 5x + c = ?$
- 15)  $(x - 1/x) = 10$ , find  $(x^2 + 1/x^2) = ?$
- 16) Fair dice is rolled probability of chance of occurring 3 the odd number is ?
- 17) If an integer "n" is divided by 8 the remainder is 3 . What will remainder if 'n' is doubled and divided by 8?
- 18) Sum of the ages of mother and daughter is 50 .Mother's age was seven times daughter 5 years ago .Find present age of mother and daughter ?
- 19) Find the probability of even number a fair dice rolled ?

- 20) If  $w=2x=\sqrt{2}y$ , find  $w-x=?$  in terms of  $y$  ?  $W \neq 0$ ,
- 21) Find total salary if remained 1400 in end of month and expenditure are 35000 ?
- 22) 3 Girls and 5 Boys are there in students group if same number of students added then ratio of Boys to Girls are?
- 24) Lcm of 15, 12, 8, 4 ?
- 25)  $0.3 + 0.2 \times 0.2 - 0.3 = ?$
- 26)  $10\% \text{ of } 30 + ? \% \text{ of } 70 = 80$
- 27) What % of 12 is 15?
- 28) If  $A:B=8:9$  &  $B:C=12:5$  then  $A:B:C$
- 29) Find circumference.. if diameter of circle is 63.
- 30) A rhombus with perimeter of 48 and length of its diagonals in 26. What will be the area of this rhombus?
- 31) If Hamid clean room in 15 mints and Yasir clean room in 30 mint than both yasir and Hamid will clean a room in how many hours

## ENGLISH

Antonyms

Anxious

alive,

Sprain.

Infection .

## ANALOGIES

1. SPRAIN : FRACTURE
2. OCEAN : BAY
3. VANSION : DEER
4. HEART : CARDIOLOGY
5. INFECTION : ILLNESS

6. SILO: CORN

7. DOCTOR : HOSPITAL

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