GAT-A Business and Engineering Quantitative

Sr	Questions	Answers Choice
1	A square lawn having area 0.25 sq km has to be enclosed with iron railings at the rate of Rs. 10100 per metre. What will be its cost ?	A. Rs. 20200 B. Rs. 2000 C. Rs. 202000 D. Rs. 100100
2	A rectangular field which is 10 times as long as its breadth has an area of 75690 sq m. What is its perimeter ?	A. 275 m B. 2750 m C. 1914 m D. 191 m
3	The difference between the first two perfect squares that end with 9 is:	A. 11 B. 40 C. 30 D. 120
4	An instructor having 9224 students under him, arranges them into a square and finds 8 students to be excess. What is the number of students in the front row?	A. 97 B. 88 C. 104 D. 96
5	The size of the square which can be made using 256 square shapes with a side length of 6 cm is:	A. 16 cm B. 36 cm C. 2.67 (approx) cm D. 96 cm
6	The product of 313 with itself is:	A. 97969 B. 17.69 C. 5536.97 D. 195938
7	What is the smallest number which when subtracted form 1.00060219 gives a perfect square number ?	A. 0.00210 B. 210 C. 0.00000210 D. 0.210
8	The cost of the planting sugarcane at the rate of 6 paisa per square meter is Rs. 5840.64. What is the length of side of this square field:	A. 312 m B. 622 m C. 97344 m D. 459 m
9	A rectangular field which is twice as long as it is broad, has an area of 14450 m^2 , what is its perimeter ?	A. 85 m B. 510 m C. 165 m D. 170 m
10	What is the least positive integer which is to be added to 57592910 so that the sum may be a perfect square ?	A. 7588 B. 7 C. 11 D. 15166
11	The chairs in the school hall can be set out in 35 equal rows or in 45 equal rows or in 105 equal rows are:	A. 600 B. 400 C. 40 D. 80
12	Ahmed has a rectangular garden measuring 4.32m by 3.36m. He wants to divide it into square plots of equal size. What is largest sized square the can use?	A. 0.24 B. √3 C. 0.48m D. 0.16
13	The greatest number which divides 2400 and 3600 leaving 48 and 60 respectively, as remainder is:	A. 9 B. 7 C. 17 D. 10
14	The least number which when divided by 12,15 and 18 leaves 5 as remainder in each case is:	A. 180 B. 175 C. 185 D. 125
15	Find the greatest number of 4 digits which when divided by 18,24,30 and 36 leaves a remainder 17 in each case.	A. 360 B. 9360 C. 3600 D. 9377

16	A farmer wants to fence a triangular field. He plans to put a fencing post in each corner and place other posts at equal distance along its sides. He wants the posts to be as far apart as possible. The sides of the field are 477 feet 2412 feet and 636 long. How far apart will the posts be ?	A. 18 feet B. 9 feet C. 27 feet D. 159 feet
17	Sonia buys two off-cuts of ribbon in a sale. One is 153 cm long. The other is 204 cm long. She cuts them so that she ends up with a number of pieces all the same length. What is the greatest length each piece can be ?	A. 39 B. 6 C. 17 D. 51
18	It takes Riaz 30 minutes to mark a paper. Razi only need 25 minutes to mark a paper. If they both start marking papers at 11:00 A.M, what is the first time they will finish marking a paper at the same time?	A. 12:30 B. 12:45 C. 1:30 D. 12:25
19	The product of two numbers is 2500. If their L.C.M is 125, then their H.C.F is:	A. 20 B. 250 C. 125 D. None of these
20	If the L.C.M and H.C.F of two numbers are 150 and 30 respectively, and one of the numbers is 18, find the other number ?	A. 250 B. 180 C. 150 D. 170
21	How many whole bricks $6 \times 12 \times 24$ cm^3 will be sufficient to construct a solid cube of minimum size ?	A. 4 B. 6 C. 8 D. 12
22	The L.C.M of 12,20,24,32 is:	A. 240 B. 360 C. 480 D. 600
23	The least number which when divided by 35, leaves remainder of 25; when divided by 45 leaves a remainder of 35 and when divided by 55 leaves 45 as remainder, is:	A. 3455 B. 3465 C. 3475 D. 10
24	The greatest number which exactly divides 1155 and 735 is:	A. 25 B. 5 C. 15 D. 105
25	A neon sign flashes every 3 seconds, another sign flashes every 5 seconds, and a third flashes every 7 seconds. If they all flash together, how many seconds will pas before they all flash simultaneously again?	A. 15 seconds B. 35 seconds C. 105 seconds D. 21 seconds
26	Which of the following is equal to $(3^8 \times 3^9)^{10}$?	A. 3⁷²⁰ B. 3¹⁷⁰ C. 3²⁷ D. 3⁹⁸
27	If $(5^a)(5^b) = 5^c/5^d$, what is d in terms of a, b and c ?	A. a + b -c B. a - b + c C. a + b + c D. c - a - b
28	A number whose fifth part increased by 5 is equal to its fourth part diminished by 5, is:	A. 160 B. 180 C. 200 D. 220
29	How many two-digit numbers are there which are divisible by 6 ?	A. 17 B. 18 C. 16 D. 15
30	If 1 is added to the denominator of a fraction, it becomes (1/2) and if 1 is added to the numerator, the fraction becomes 1. The fraction is:	A. 4/7 B. 10/11 C. 2/3 D. 5/9