GAT-A Business and Engineering Quantitative

Sr	Questions	Answers Choice
1	If r, s and t are integers greater than 1, where rs = 15 and st = 33, which of the following must be true?	A. t > r > s B. s > t > r C. r > t > s D. s > r > t
2	If P^2+ 5 = 22, then P^2- 5 =	A. 12 B. 17 C. 39 D. 144
3	An oil burner in a housing development burns 76 gallons of fuel oil per hour. At 9 A.M on a very cold day, the superintendent asks the housing manager to put in an emergency order for more fuel oil.At that time,he reports that he has on hand 266 gallons. At noon, he again comes to the manager, notifying him that no oil has been delivered. The maximum amount of time that he can continue to furnish heat without receiving more oil is	A. 1/2 hr B. 1 hr C. 1 1/2 hr D. 2 hr
4	Yesterday Sagher earned Rs. 100 less than Bilal, and today Sagher earned Rs.75 more than Bilal. Which of the following must be true about Sagher's total earnings for the two days compared to Bilal's?	A. Sagher earned 3/4 of what Bilal earned B. Sagher earned $17.50 more than Bilal C. Sagher earned $2.50 more than Bilal D. Sagher earned $25 less than Bilal
5	A and B do a job together in two hours.Working alone A does the job in 5 hours.How long will it take B to do the job alone?	A. 2 hrs B. 3 hrs C. 1 hrs D. 3 1/3 hrs
6	If it takes 4 days for 3 machines to do a certain job, how many days are required to complete the job by two machines?	A. 6 days B. 2 days C. 5 days D. 3 days
7	If x/y = -1, then x + y =	A. 0 B. 1 C. y D. 2x
8	Multan traffic authority requires that an applicant for a driver's license answer at least 80 percent of the questions on a written test correctly. If the test has 60 questions on it, at least how many of these questions must be answered correctly.	A. 20 B. 44 C. 46 D. 48
9	If x/9 = 2/3, then x =	A. 8/3 B. 6 C. 3 D. 27/2
10	A businessperson started a business with a capital of Rs. 80,000. His first year accumulated profit was 10% and second year profit was 20%. What was the total amount after second year?	A. 105600 B. 201200 C. 50,000 D. 100050
11	If P is a negative integer and p^2+ 11p =t, a value of t could be	A. 12 B. 18 C. -18 D. 11
12	The average height of five men is 68 inches.If one man is 70 inches tall and three others have an average of 67 inches, the height of the fifth man, in inches, is	A. 68 B. 69 C. 70 D. 71
13	Subhanis twice as old as Bukhari, who is 3 years oldder than Shakir. If Shakir is 4a years old, Subhan's age is	A. 8a B. 22a C. 14a D. 8a + 6
14	If 7 apples cost y cents, how many apples will x dollars buy?	A. x/7y B. 7x/y C. 7x/100y D. 700x/y

15	The death rates for three diseases are Disease R 2 people out of 10,000 Disease S 13 people out of 1,000,000 Disease T 9 people out of 100,000 What is the combined death rate for the three diseases?	A. 123 out of 1,000,000 B. 42 out of 10,000 C. 42 out of 1000,000 D. 303 out of 1,000,000
16	If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles can be capped in 2 hours?	A. 8000 B. 90000 C. 300 D. 900
17	How many tens are equal to the number whose hundreds, tens, and units digits are a, b, and c respectively?	A. b B. a+1/10 b + 1/100 c C. 10a + b + c D. 10a+b+c/10
18	If (36)(?)(7) - 21 then? equals	A. 21/43 B. 1/42 C. 1/12 D. 1/11
19	In solving an arithmetic example, Lubna, by mistake multiplied by 6 instead of dividing by 6. If her answer was 13 1/5, what should be the correct answer to the example?	A. 2 8/11 B. 5/66 C. 2 1/5 D. 11/30
20	If (p - 3)(p + 5) > (p - 3)(p + 8), what is the best description of p?	A. p = 3 B. -8 < p < -5 C. p = { } D. p < 3
21	Four people are asked to stand in a straight line. In how many different orders can they line up?	A. 12 B. 16 C. 24 D. 6
22	How many integers between 28 and 98 are exactly divisible by 7?	A. 9 B. 11 C. 12 D. 8
23	A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?	A. 576/x B. 48/5x C. 24/x D. 576/5x
24	If Myra had bowling scores of b + 6, b - 2, b + 4, and b - 5, what must she score in the next game to get an overall average of b + 2?	A. b + 7 B. b - 3 C. b + 3 D. b - 7
25	Which of the following is the sum of two consecutive prime numbers?	A. 66 B. 52 C. 41 D. 29
26	t is an integer greater than 5. The expression that must represent an odd integer is	A. t(t + 1) B. 3t - 1 C. t² D. 2t - 3
27	IF you have 50 green, 50 orange, and 50 yellow jelly beans, how many bags can you fill Halloween each containing 2 green, 3 orange, and 4 yellow jelly beans?	A. 12 B. 13 C. 16 D. 17
28	One sixth of a day is what part of the time between 3 p.m. Monday and 3 p.m Thursday of the same week?	A. 1/10 B. 1/18 C. 1/15 D. 1/12
29	Two trains start simultaneously towards each other from two points A and B separated by a distance of 1200 miles.Train leaving A moves at an average speed of 80 miles per hour while train leaving B moves at an average speed of 120 miles per hour. After how much time will both trains meet and what distance would be covered by the train leaving A by then?	A. 15 hours, 1200 miles B. 10 hours, 800 miles C. 6 hours, 480 miles D. 12 hours, 960 miles
30	In his wardrobe, Tahir has 3 trousers.One of them is black, the second blue, and the third brown. In his wardrobe, he also has 4 shirts. One of them is black and other 3 are white. He open his wardrobe in the dark and picks out one shirt - trouser pair, without examining the color. What is the likelihood that neither the shirt the trouser is black?	A. 1/12 B. 1/6 C. 1/4 D. 1/3 E. 1/2