GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	For how many integer values of g is 6<3g<12?	A. Four B. Three C. Two D. One
2	Concrete consists of cement, sand and screenings in the ratio of 1 : 5 : 4, what is the percentage of the sand mixed ?	A. 10% B. 40% C. 50% D. 60%
3	Bus Company President: A city councilman has stated his objection to the claim that the city buses are dangerous. This is clearly untrue. None of the new buses in use has ever crashed or even had a serious malfunction. City councilman: The problem with the new buses is not that they malfunction, but that they are no flamboyantly painted that other drivers on the road are distracted and this may cause accidents. Q:The councilman responds to the bus company president by doing which of the following?	A. Characterizing the bus company president's assertion as stemming from subjective interest rather than from objective evaluation of the facts B. Drawing attention to the fact that the bus company president's interpretation of the word "dangerous" is too narrow C. Invoking evidence that the bus company president has explicitly dismissed as irrelevant the point at issue D. Citing statistical evidence that refutes the bus company president's claim
4	Direction:In the following type of question,each consists of two quantities,one in column A and one in column B.You must compare two quantities and on the answer sheet fill in. A.If the quantity in column A is greater. B.If the quantity in column B is greater. C.If the two quantities are equal. D.If the relationship cannot be determined from the information given. Notes:Sometimes,in certain question,information concerning one or both the quantities to be compared is centered above the two columns.A symbol that in both columns represents the same thing in column A as it does in column B. **Column A** a **Column B** b (82a = 43b)	A. A B. B C. C D. D
5	When two dice are thrown simultaneously, what is the probability that the sum of the two numbers that turn up is less than 11?	A. 5/6 B. 11/12 C. 1/6 D. 1/12
6	A man was 26 years old when his daughter was born. Now, he is three times as old as his daughter. How many years old is the daughter now ?	A. 13 years B. 22 years C. 15 years D. 12 years
7	Mr. Kashif got an average of 50 in 6 tests.What should he get in the next test to attain the average of 60?	A. 120 B. 60 C. 100 D. 70
8	The smallest 4-digit number using 7, 0, 8 and 9 is:	A. 0879 B. 0789 C. 0978 D. 7890
9	If a = 1 and 1 > b > 0, then which of the following statement is true ?	A. a = b B. b > a C. 1/b > a D. 1/a < b

10	Ayesha completed questions 4 - 18 of a mathematics exercise in 30 minutes. At this rate, how long, in minutes, will it take her to complete questions 27 - 55 ?	A. 59 B. 29 C. 30 D. 58
11	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
12	Direction:In the following type of question,each consists of two quantities,one in column A and one in column B.You must compare two quantities and on the answer sheet fill in. A.If the quantity in column A is greater. B.If the quantity in column B is greater. C.If the two quantities are equal. D.If the relationship cannot be determined from the information given. Notes:Sometimes,in certain question,information concerning one or both the quantities to be compared is centered above the two columns.A symbol that in both columns represents the same thing in column A as it does in column B. **Column A** $(3^0)(9^1)$ **Column B** 27	A. A B. B C. C D. D
13	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
14	A chemical solution contains 8% of acid. If there is 15 ml of acid, what is the volume of the solution ?	A. 125.5 ml B. 187.5 ml C. 225.5 ml D. 171.5 ml
15	A bag has 7 marbles, one of each of colours, green, blue, brown, yellow, red, white and pink. If 6 marbles are removed from the bag, what is the probability that the red one was removed ?	A. 1/7 B. 4/3 C. 2/7 D. 6/7
16	Classical music occupies a unique and peculiar position in every culture. They are imperishable as cultural landmarks, but the emotions expressed in some of the folks are often superseded by newer tunes. However, theclassics survive just as heritage, as imposing features of the society, yet unsuited for habitation unless remodeled. Q:The principal point put forth in the above passage is that classical works.	A. ignored by young generation B. is an obstacle in the development in new tunes C. Should be stored in museums D. Need our respect and admiration even if their tunes and ideas they express are no longer current
17	Which of the following is equal to $(3^8 \times 3^9)^{10}$?	A. 3⁷²⁰ B. 3¹⁷⁰ C. 3²⁷ D. 3⁹⁸
18	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
19	People should be held accountable for their own behavior, and if holding people accountable for their own behavior entails capital punishment, then so be it. However, no person should be held accountable for behavior over which he or she had no control. Q:Which of the following is the most logical conclusion of the argument above?	A. People should not be held accountable for the behavior of other people B. People have control over their own behavior C. People cannot control the behavior of other people D. Behavior that cannot be controlled should not be punished
20	12 is 1/3 % of what number ?	A. 4 B. 400 C. 36 D. 3600