GAT-C Agriculture, Veterinary, Biological & Related Science Quantitative

Sr	Questions	Answers Choice
1	In a squash tournament that has 75 entrants, a player is eliminated whenever he loses a match. How many matches will be played in the entire tournament ?	A. 74 B. 18 C. 34 D. 36
2	A bag contains 20 marbles: 6 green, 10 brown, and 4 white. If one marble is removed randomly, what is the minimum number that must be removed to be certain that you have at least 2 marbles of each colour	A. 16 B. 18 C. 10 D. 15
3	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
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** 9^2 **Column B** 3^4 $(8^{2a} = 4^{3b})$	A. A B. B C. C D. D
5	There are 28 players in a college cricket team. What is the probability that at least 3 of them have their birthday in the same month ?	A. 0 B. 1/5 C. 1 D. 1/2
6	How many three-digit number have only even digits ?	A. 48 B. 58 C. 500 D. 300
7	Munir was born on August 14, 1934 and died on February 28, 1999. What was his age, in years, at the time of his death ?	A. 64 B. 65 C. 66 D. 68
8	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
9	What is the perimeter of parallelogram ABCD ?	A. 14 + √17 B. 16 + √7 C. 2 + √17 D. 2(7 + √17)
10	What is the area of the parallelogram ABCD ?	A. 24 B. 21 C. 29 D. 28
11	The slope of the line passing through (-b, b) and (3b, a) is 1 and b ≠ 0, which of the following is an expression for a in terms of b ?	A. 1/4b B. 3b C. 5b D. 2b E. 4b
		A. 1/x

12	If a line passes through the points (x, y) and ($1/x$, y), then its slope is	B. 0 C. 1 - x²/ x D. 1
13	A circle whose center is at (3, 4) passes through the origin. Which of the following points is not on the circle ?	A. (-1, 3) B. (-1, 1) C. (0, 0) D. (7, 7)
14	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** The remainder when a positive integer is divided by 5. **Column B** 5	A. A B. B C. C D. D
15	If A(3, 2) and B(7, 2) are two vertices of a rectangle, which of the following could not be the another vertices of that rectangle ?	A. (3, 7) B. (7, 3) C. (3, -7) D. (-3, 7)
16	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** x + y **Column B** xy (x and y are nonzero integers)	A. A B. B C. C D. D
17	If A(-2, 3) and B(5, -1) are the endpoints of one side of a square ABCD, what is the area of the square ?	A. 20 B. 65 C. 30 D. 35
18	Question Image	A. Volume of the cube is less than the volume of the box B. Volume of the cube is greater than the volume of box C. Volume of the cube is equal to the volume of box D. The surface area of both cube and box are equal
19	Fatima and Maryium each roll a sheet of 9 × 18 paper to form a cylinder. Fatima tapes the two 9-inch edge together and Maryium tapes the two 18-inch edge together. Refer to this question and tell which of the following statement is true ?	A. The volume of Fatima cylinder is greater than Maryium cylinder B. The volume of Fatima cylinder is less than Maryium cylinder C. The volume of Fatima cylinder is equal to the Maryium cylinder D. Both cylinders have the same circumference
20	If the height of a cylinder is double to its circumference, what is the volume of the cylinder in terms of its circumference, C ?	A. C/π B. C³/π C. C³/4π² D. C³/2π