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

Sr	Questions	Answers Choice
1	Question Image	A. 81 + 81 √3 B. 18 + 18 √3 C. 12(1 + 2√3) D. 12 + 12√3
2	Question Image	A. 3√3 B. 36√3 C. 81 D. 81√3
3	If the angles of a hexagon are in the ratio 2 : 4 : 4 : 4 : 5 : 5, what is the degree measure of the smallest angle ?	A. 30 B. 60 C. 40 D. 70
4	If the length of a rectangle is 4 times its width, and if its area is 196, what is its perimeter ?	A. 60 B. 28 C. 35 D. 70
5	Question Image	A. 2 + √2 B. 4 + √2 C. 4(1 + √2) D. 16(1 + √2)
6	A triangle has sides, 5 inches, 12 inches and 13 inches, respectively, A rectangle equal in area to that of the triangle has width of 4 inches. The perimeter of the rectangle, expressed in inches, is:	A. 23 B. 28 C. 60 D. 32
7	Question Image	A. 120 B. 60 C. 90 D. 30
8	The length of a rectangle is twice its width. If the perimeter of a rectangle is the same as the perimeter of a square of size 9, what is the length of a diagonal of the rectangle ?	A. 180 B. 3√5 C. 36 D. 6√5
9	Question Image	A. 60 B. 40 C. 24 D. 36
10	Question Image	A. 2 B. 4 C. 2√2 D. 4√2
11	Question Image	A. 2(2 + √2) B. 4 + √2 C. 2 + √2 D. 4
12	Question Image	A. p = 180 + q B. q = 30 + p C. p = 90 + q D. p = 60 - q
13	Question Image	A. 54 B. 72 C. 4 + √3 D. 12(4 + √3)
14	Question Image	A. 3 + 4√3 B. 18(3 + 4√3) C. 54 D. 84√3
15	In figure 2, what is the perimeter of Δ*BED* ?	A. 3 + √93 B. 11 C. 11 + √97 D. 81

16	In figure 2, what is the area of Δ*BED* ?	A. 16 B. 14 C. 12 D. 6
17	What is the perimeter of Δ*CEA*, in the figure 1 ?	A. 16 B. 25 C. 17 D. 2 + 7 √5 + √277
18	What is the area of the triangle *AEC*, in the above figure 1 ?	A. 12 B. 49 C. 14 D. 21
19	Question Image	A. 100^o B. 60^o C. 30^o D. 110^o
20	The area of an equilateral triangle whose altitude is 10, is:	A. 8√3 B. 2√3 C. 96√3 D. 4√3