NAT II Arts & Humanities Quantitative

Sr	Questions	Answers Choice
1	$\sqrt{256} \div \sqrt{64} = ?$	A. 1/4 B. 26/8 C. 16 D. 4
2	If the radius of the circle is halfed, then its area	A. Remains same B. Become half C. Become quarter D. Become double E. Not changed
3	The circumference of a circle whose diameter is 6 inches is approximately	A. 22 inches B. 19 inches C. 14 inches D. 38 inches E. 16 inches
4	The value of x2+ 5x + 6 at x = 2 is?	A. 10 B. 14 C. 18 D. 20
5	$(242 - 17)^2 - (7 - 5)^2 = ?$	A. 49000 B. 49200 C. 94200 D. 49400
6	If x + 3y = 7 and 2x + y = 5 then x/y is?	A. 1/2 B. 1/3 C. 2/5 D. 8/9
7	72 + 679 + 1439 + 537 + ? = 4036	A. 1309 B. 1208 C. 2308 D. 2423
8	The average of x, y , z and 40 is 10. What is the average of x, y and z.	A. 10 B. 0 C. 2 D. 15
9	$? \times 12 = 75\% of 336$	A. 48 B. 252 C. 28 D. 21
10	The ratio from 5 feet to 3 inches is	A. 3/5 B. 5/3 C. 3/60 D. 1/20 E. 20
11	What is the number, 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
12	$2244 \div 0.88 = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
13	3/4 of 432 = ?	A. 340 B. 232 C. 324 D. 316
14	If (x + 1/x)2= 96 what is the value of x2+ 1/x2?	A. 94 B. 98 C. 100 D. 90
		A. 3a + 1

15	The average (arithmetic mean) of 8a + 5, -3a, 9, 0 and 7a - 2?	B. 3a + 3 C. 4a + 1 D. 4a + 4 E. 12a + 12
16	Ay -b = c -dy what is 'y' in term of 'a', 'b' and 'c'?	A. (c + b)/(a + d) B. (c - b)/(a + d) C. (c - b)/(a + d) D. (c + b)/(a - d)
17	A man opens a bookstall with a capital of Rs. 25000. In three months his capital amounts to rupees 27500. What is the increase percent?	A. 1% B. 10% C. 20% D. 7%
18	One half of the employees of Al Karim Co. earn salaries above Rs. 18,000 monthly. One third of the remainder earn salaries between Rs. 15,000 and Rs. 18,000. What part of the staff below Rs. 15,000?	A. 2/3 B. 1/3 C. 2/5 D. 3/5
19	If p = 2, then $3^p + (p^3)^2 =$	A. 18 B. 45 C. 42 D. 70 E. 73
20	$0.027 \div 90 = ?$	A. 0.0003 B. 0.03 C. 3 D. 0.00003