Number system

1. When 0.232323.......... is converted into a fraction, then the result is:
   A) 1/5   B) 2/9   C) 23/99   D) 23/100
2. The rational number for recurring decimal 0.125125...... is:
   A) 63/487   B) 119/993   C)125/999   D) None
3. The correct expression of 6.464646............... in the fractional form is:
   A) 646/99   B) 64640/1000   C)640/100   D)640/99
4. The correct expression of 0.16666666............... in the fractional form is:
   A) 1/6   B) 3/7   C) 1/7   D) 16/99
5. The correct expression of 0.227373737373............... in the fractional form is:
   A) 2273/9900   B) 2251/9999   C) 2251/9900   D) None
6. If the number 517*324 is completely divisible by 3, then the smallest whole number in the place of * will be?
   A) 2   B) 3   C) 4   D) 5
7. If the number 481*673 is completely divisible by 9, then the smallest whole number in the place of * will be?
   A) 4   B) 3   C) 6   D) 7
8. How many three-digit numbers are divisible by 5 or 9?
   A) 260   B) 280   C) 200   D) 180
9. Which one of the following numbers is exactly divisible by 11?
   A) 235641   B) 245642   C) 315624   D) 415624
10. How many 3-digit numbers are completely divisible 6?
    A) 149   B) 150   C) 151   D) 166
11. How many natural numbers are there between 23 and 100 which are exactly divisible by 6?
    A) 8   B) 11   C) 12   D) 13
12. A 3-digit number $4a3$ is added to another 3-digit number 984 to give a 4-digit number $13b7$, which is divisible by 11. Then, $(a + b)$ =?
    A) 10   B) 11   C) 12   D) 15
13. If the product 4864 x 9 P 2 is divisible by 12, then the value of P is:
    A) 2   B) 5   C) 8   D) None
14. 476 ** 0 is divisible by both 3 and 11. The non-zero digits in the hundred's and ten's places are respectively:
    A) 7 and 4   B) 7 and 5   C) 8 and 5   D) None
15. If the number 97215 * 6 is completely divisible by 11, then the smallest whole number in place of * will be:
    A) 3   B) 2   C) 1   D) 5
16. If the number 5 * 2 is divisible by 6, then * =?
    A) 2   B) 3   C) 6   D) 7
17. If the number 42573 * is exactly divisible by 72, then the minimum value of * is:
    A) 4   B) 5   C) 6   D) 7

18. If the number 91876 * 2 is completely divisible by 8, then the smallest whole number in place of * will be:
    A) 1   B) 2   C) 3   D) 4
19. If x and y are the two digits of the number 653xy such that this number is divisible by 80, then $x + y$ =?
    A) 2 or 6   B) 4   C) 4 or 8   D) 8
20. If the number 653 xy is divisible by 90, then $(x + y)$ =?
    A) 2   B) 3   C) 4   D) 6
21. If 8A5146B is divisible by 88, then what is the value of AxB?
    A) 4   B) 16   C) 8   D) 12

ANSWER KEY

1) C	2) C	3) D	4) A
5) C	6) A	7) D	8) A
9) D	10) B	11) D	12) A
13) D	14) C	15) A	16) A
17) C	18) C	19) A	20) C, 21) D