1) By interchanging the digits of a two digit number we get a number which is four times the original number minus 24. If the unit's digit of the original number exceeds its ten's digit by 7, then original number is
a) 18 b) 29 c) 58 d) 36

2) The last digit of $(1001)^{2008} + 1002$ is
a) 6 b) 0 c) 4 d) 3

3) In a two–digit number, the digit at the unit's place is 1 less than twice the digit at the ten's place. If the digits at unit's and ten's place are interchanged, the difference between the new and the original number is less than the original number by 20. The original number is
a) 47 b) 59 c) 35 d) 23

4) The unit digit in the expansion of $(2137)^{754}$ is
a) 9 b) 1 c) 7 d) 3

5) One's digit of the number $(22)^{23}$ is
a) 2 b) 4 c) 8 d) 6

6) The digit in the unit's place of the product $(2464)^{1793} \times (615)^{317} \times (131)^{491}$ is
a) 5 b) 0 c) 3 d) 2

7) The unit digit in the product $(122)^{173}$ is
a) 8 b) 2 c) 6 d) 4

8) The digit in the unit's place of $[(251)^{98} + (21)^{29} - (106)^{100} + (705)^{35} - 16^4 + 259]$ is :
a) 6 b) 1 c) 5 d) 4

9) The digit in unit's place of the number $(1570)^2 + (1571)^2 + (1572)^2 + (1573)^2$ is :
a) 3 b) 4 c) 2 d) 1

10) The unit digit in the sum of $(124)^{372} + (124)^{373}$ is
a) 0 b) 5 c) 2 d) 4

11) Find the unit digit in the product $(4387)^{245} \times (621)^{72}$.
a) 7 b) 1 c) 5 d) 2

12) Unit digit in $(264)^{102} + (264)^{103}$ is :
a) 8 b) 0 c) 6 d) 4

13) The digit in unit's place of the product $(2153)^{167}$ is :
a) 9 b) 1 c) 7 d) 3

14) The unit's digit in the product $7^{71} \times 6^{63} \times 3^{65}$ is
a) 4 b) 1 c) 3 d) 2

15) What will be the unit digit in the product 7^{105} ?
a) 1 b) 5 c) 9 d) 7

16) There is a number consisting of two digits, the digit in the units' place is twice that in the tens' place and if 2 be subtracted from the sum of the digits, the difference is equal to $\frac{1}{6}$ th of the number. The number is
a) 23 b) 2 c) 24 d) 25

17) The unit digit in $3 \times 38 \times 537 \times 1256$ is
a) 8 b) 4 c) 6 d) 2

18) The units digit of the expression $25^{6251} + 36^{528} + 73^{54}$ is
a) 0 b) 6 c) 4 d) 5

19) The digit in unit's place of the product $49237 \times 3995 \times 738 \times 83 \times 9$ is
a) 6 b) 0 c) 5 d) 7

20) The digit in unit's place of the product $81 \times 82 \times 83 \times \ldots \times 89$ is
a) 8 b) 0 c) 6 d) 2

21) The last digit of 3^{40} is
a) 9 b) 1 c) 7 d) 3

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