1. Write the next number in the series. 16, 13, 17, 12, 18, 11, ...
(a) 12
(b) 19   (Ans)
(c) 22
(d) 14
(e) None
Explanation : See the alternate numbers.

2. If 'APPEAR' is coded as 'PAEPRA', then 'PROVIDENCE' can be coded as
(a) PROIVEDNLNE
(b) PROVPINECE
(c) RPVODINEEC   (Ans)
(d) EORIVEOCEP
(e) None
Explanation : The word 'APPEAR' has been coded by interchanging the two letters at a time. Hence PROVIDENCE is coded as in (C)

3. Find the next number in the series : 1, 4, 9, 61, 52, ... ?
(a) 63   (Ans)
(b) 50
(c) 55
(d) 70
(e) None
Explanation : 12 = 1; 22 = 4; 32 = 9; 42 = 16. Now reversed 16 and is written as 61, 52 = 25 if reversed you get 52; the first three being single digits which even if reversed will be the same numbers.

4. If 2 * 8 = 4, 3 * 15 = 5, 4 * 24 = 6 then 5 * 40 = ?
(a) 10
(b) 8   (Ans)
(c) 6
(d) 14
(e) None
Explanation :   8 ÷ 2 = 4, 15 ÷ 3 = 5, 24 ÷ 4 = 6. Hence 40 ÷ 5 = 8

5. I am seventh in the queue from either end. How many people are there in the queue ?
(a) 10
(b) 11
(c) 13 (Ans)
(d) 14
(e) None

6. Write the next number in the series : 2, 6, 9, 12, 16, 18, ...
(a) 24
(b) 23 (Ans)
(c) 32
(d) 28
(e) None
Explanation : See alternate numbers.

7. Insert the missing number :

2   5   7
4   7   5
3   6

(a) 12
(b) 4
(c) 8
(d) 6   (Ans)
(e) None

Explanation : See the vertical rows $\dfrac{2+4}{2}$? 3, $\dfrac{5+7}{2}$? 6, $\dfrac{7+5}{2}$? 6,

8. A cowherd had 19 cows. All but eight died. How many will he have left ?
(a) 7
(b) 11
(c) 8   (Ans)
(d) 9
(e) None

9. The Twenty First Century will start on Ist January in the year
(a) 2001   (Ans)
(b) 2000
(c) 2101
(d) 2100
(e) None

10. Complete the series : 4, 8, 12, 16, 20, ... ?
(a) 24   (Ans)
(b) 22
(c) 18
(d) 14
(e) None

Explanation : Here the difference between the successive numbers is 4. Hence,   ? = 20 + 4 = 24

11. Complete the series : 23, 27, 49, ?, 72, 32
(a) 88
(b) 90
(c) 92
(d) 94   (Ans)
(e) None

12. Complete the series : 240, 240, 120, 40, ?, 2
(a) 6
(b) 8
(c) 10   (Ans)
(d) 20
(e) None

13. If JOEJB means INDIA then BSNZ means
(a) BASF
(b) ARMY   (Ans)
(c) KRAL
(d) CTOA
(e) None

14. Supply the missing figure 2, 6, 12, 20, 30, ...
(a) 42   (Ans)
(b) 38
(c) 46
(d) 56
(e) None
Explanation : The series has difference of 4, 6, 8, 10 and so on. Hence the missing number must be 42.

15. Find out the ODD pair :
(a) Nice - good
(b) Heavy - light   (Ans)
(c) Bulky - fat
(d) Sturdy - Healthy
(e) None

16. Find out the ODD pair :
(a) 3 - 9   (Ans)
(b) 4 - 16
(c) 6 - 36
(d) 8 - 64
(e) 2 - 4

17. The sum of any 4 consecutive even numbers is divisible by a number. Can you find out the correct choice ?
(a) by 6
(b) by 8
(c) by 4   (Ans)
(d) by 3
(e) None

18. Which is the number if it comes to 15 when divided by 4 and added by 9 ?
(a) 21
(b) 26
(c) 24   (Ans)
(d) 22
(e) None

19. 36 is to 4 as 9 is to
(a) 27
(b) 1   (Ans)
(c) 5
(d) 18
(e) None

20. 91 : 7 : :
(a) 10 : 3
(b) 21 : 9
(c) 13 : 1   (Ans)
(d) 15 : 7
(e) None