

> CODING DECODING

- 1. If the word LEADER is coded as 20-13-9-12-13-26, how would you write LIGHT?**
 - (a) 20-16-17-15-27
 - (b) 20-15-16-18-23
 - (c) 20-17-15-16-28
 - (d) 20-16-15-17-22
- 2. If each of the letters in the English alphabet is assigned an even numerical value by giving $A = 2, B = 4$ and so on, what would be the total value of letters for the word LADY when similarly coded?**
 - (a) 74
 - (b) 72
 - (c) 84
 - (d) 82
- 3. In certain code FAN is written as 21, 26, 13 then DEAD will be written as**
 - (a) 23, 26, 22, 23
 - (b) 22, 23, 26, 22
 - (c) 23, 22, 26, 23
 - (d) 22, 23, 25, 22
- 4. If MADRAS is coded as 517916 and TENANT is coded as 432124, how would you encode RMATSN?**
 - (a) 851353
 - (b) 951363
 - (c) 951462
 - (d) 941562
- 5. In a certain code HUMANITY is written as 41526378 and NATURE is written as 627109. How is HUNTER written in the code?**
 - (a) 416690
 - (b) 426709
 - (c) 416790
 - (d) 462708
- 6. If in a certain code 'CHARACTER' is written as '241612376' and 'CHILDREN' is written as '24859670' then how can 'HIRALAL' be written in the same code?**
 - (a) 4861551
 - (b) 4861515
 - (c) 4685151
 - (d) 4685511
- 7. In a certain code language LIEUTENANT is written as 1232212021411420, then how MANGO can be written in that code language?**
 - (a) 13114715
 - (b) 1311474
 - (c) 14141375
 - (d) 13114157
- 8. If $BET = ROD, CAN = SIM$ and $MUG = LAN$, then $MEN = ?$**
 - (a) LOM
 - (b) OLM

- (c) MOL
- (d) LMO

9. If CENTURION is coded as 325701465 and RANK is coded as 1859, what will be figures 7859 represent?
- (a) BANK
 - (b) SANK
 - (c) TANK
 - (d) TALK
10. If 35674 is written as 57896, how will 4213 be written as?
- (a) 6435
 - (b) 5397
 - (c) 5889
 - (d) 5376

Directions : Study the following information to answer the given questions.

In a certain code, 'always create new ideas' is written as 'ba ri sha gi' 'ideas and new thoughts' is written as 'fa gi ma ri' 'create thoughts and insights' is written as 'ma jo ba fa' 'new and better solution' is written as 'ki ri to fa'.

11. What is the code for 'ideas'?
- (a) sha
 - (b) ba
 - (c) gi
 - (d) ma
 - (e) cannot be determined
12. What does 'fa' stand for?
- (a) thoughts
 - (b) insights
 - (c) new
 - (d) and
 - (e) solution
13. 'fa lo ba' could be code for which of the following?
- (a) thought and action
 - (b) create and innovate
 - (c) ideas and thoughts
 - (d) create new solution
 - (e) always better ideas
14. What is the code for 'new'?
- (a) ki
 - (b) ri
 - (c) to
 - (d) fa
 - (e) be
15. Which of the following may represent 'insight' always better?
- (a) jo ki to
 - (b) ki to ri
 - (c) sha jo ri
 - (d) to sha jo
 - (e) sha to ba

Directions : Study the following information carefully and answer the questions given below

In a certain code
 'very well earned respect' is written as 'fo mi la gu'
 'respect is always earned' is written as 'de gu mi bm'
 'well being is essential' is written as 'bm hr la xf'

'earned money being best' is written as 'zt qs mi xf'.

- 16. Which of the following is the code for 'money'?**
- (a) zt
 - (b) qs
 - (c) mi
 - (d) xf
 - (e) zt or qs
- 17. In the given code language 'very essential' can be written as**
- (a) fo la
 - (b) hr fo
 - (c) hr bm
 - (d) gu la
 - (e) fo de
- 18. Which of the following may represent, 'always well respect'?**
- (a) la fo zt
 - (b) qs de mi
 - (c) hr gu xf
 - (d) gu la de
 - (e) fo de bm
- 19. What does the code 'bm' stand for?**
- (a) is
 - (b) very
 - (c) money
 - (d) respect
 - (e) earned
- 20. Which of the following may represent, 'la de mi'?**
- (a) well earned respect
 - (b) best earned money
 - (c) earned always well
 - (d) essential very earned
 - (e) well being earned

> ANSWER KEY

1. (c) 2. (c) 3. (c) 4. (c) 5. (c) 6. (b) 7. (b) 8. (a) 9. (c) 10. (a)
 11. (c) 12. (d) 13. (b) 14. (b) 15. (d) 16. (e) 17. (b) 18. (d) 19. (a) 20. (e)

Hint & Solution

1. We have following arranged position of alphabets

12	5	1	4	5	18
L	E	A	D	E	R
+8↓	+8↓	+8↓	+8↓	+8↓	+8↓
20	13	9	12	13	26

Similarly,

12	9	7	8	20
L	I	G	H	T
+8↓	+8↓	+8↓	+8↓	+8↓
20	17	15	16	28

∴ Light can be coded as 20-17-15-16-28

2. According to the question, if we arrange the position of alphabets as $A = 2$, $B = 4$ and so on. Then, the code for

$$\begin{aligned} \text{LADY} &= 2(12 + 1 + 4 + 25) \\ &= 2 \times 42 = 84 \end{aligned}$$

3. From the given pattern, we see that Position number are from the right end of English alphabet.

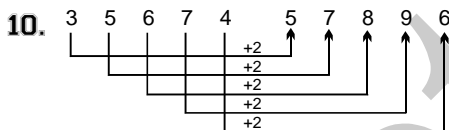
i.e.,

$$\begin{aligned} F &= 27 - 6 = 21, \\ A &= 27 - 1 = 26 \\ N &= 27 - 14 = 13 \end{aligned}$$

Similarly,

$$\begin{aligned} D &\Rightarrow 27 - 4 = 23 \\ E &\Rightarrow 27 - 5 = 22 \\ A &\Rightarrow 27 - 1 = 26 \\ D &\Rightarrow 27 - 4 = 23 \end{aligned}$$

∴ DEAD can be coded as 23, 22, 26, 23



Similarly,

