Spardhaguru India Private Limited

Coding and Decoding

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Spardhaguru India Private Limited
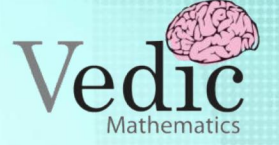10 Years of Excellence

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Vedic Mathematics

Type 1

Letter/Number Coding

1. If in a code language CRACKS is written as DQBBLR, then how would SPROUT be written in that same code language?   **[RRB (NTPC) 2021]**
(a) TQSPVU
(b) TOSNVS
(c) TOSNVS
(d) TOSNVU

2. If in a certain code INTELLIGENCE' is written as 'ETNIGILLECNE', then how can MATHEMATICAL' be written in the same code?   **[SSC (CGL) 2014]**
(a) AMHTMETACILA
(b) TAMMEHITALAC
(c) HTAMTAMELACI
(d) LACITAMEHTAM

3. If GOODNESS is coded as HNPCODTR, then how GREATNESS can be written in that code?
    [SSC (CPO) 2015]
(a) HQZSMFRT
(b) HQFZUFRTM
(c) HQFZUODTR
(d) HQFZUMFRT

4. If GRASP is coded as TIZHK, what will be coded as OVTZXB?   **[MPPSC 2018]**
(a) LEGATE
(b) LEAGUE
(c) LEGACY
(d) LEDGER

5. If 'WORK' is coded as '4-12-9-10 then how will you code 'WOMAN'?
(a) 4 – 12 – 14 – 26 – 13
(b) 4 – 26 – 14 – 13 – 12
(c) 23 – 12 – 26 – 14 – 13
(d) 23 – 15 – 13 – 1 – 14
(e) None of these

6. If CUP = 40, then KITE = ?
(a) 10
(b) 20
(c) 30
(d) 45

7. If 'DONKEY' is coded as '88' and 'SPARROW' is coded as '79', then how will 'PEGION' be coded?
    [SSC (MTS) 2021]
(a) 73
(b) 96
(c) 85
(d) 91

Type 2

Direct Coding

8. In a code language, 'TOUCH' is written as 'UTOHC'. How will 'PLANT' be written in that language?
    [SSC (10+2) 2021]
(a) QMBOU
(b) TPANM
(c) ALRIT
(d) TPNLA

9. In a certain code language, FILE is written as 7465 and IDEAL is written as 43586. How will DEAF be written in that code language?
    [UP Police (Constable) 2018]
(a) 3478
(b) 3588
(c) 3587
(d) 4578
Solution (c) Using direct number coding method,

10. In a certain code 'GONE' is written as 5 % 2 # and 'MEDAL' is written as 4 # 3 $ @, then how will 'GOLD' be written in that code?
(a) 5 @ % 3
(b) 5 % @ 3
(c) 5 # @ 3
(d) 5 % # 3

Type 3

Conditional Coding

Directions (Q. No : 11 - 13) Study the following letters and their corresponding digits codes followed by certain conditions of coding and then answer the questions given below them by finding out which of the digits combinations given in (a), (b), (c) and (d) is the coded form of the letters-groups given in each question and mark your answer accordingly.

Letters	P	N	A	J	I	R	E	B	U	K
Digits/Codes	5	3	9	1	4	6	2	7	0	8

Conditions

(i) If both the first and the last letters in the group are vowels, both should be coded as $.

(ii) If both the first and the last letters in the group are consonants, both should be coded as #.

11. KUNAJB

(a) 803917
(b) 0391
(c) #0391#
(d) #0391#
(e) Nane of these

12. RBUKAE

(a) #70892
(b) 670892
(c) 670982
(d) 607892
(e) None of these

13. EBNAPI

(a) 273954
(b) 7395
(c) #7395#
(d) $7395#
(e) None of these

14. In a certain code language 'get up and go' is written as 'fa ka la ju', 'jump up and dance' is written as 'lu la hu fa', 'go there jump here' is written as 'na lu fu ka', 'and there you come' is written as 'na lu ya la'. How will 'get up go there' be written as in thet language?

(RRB (NTPC) 2020)

(a) fu ya ka na
(b) fa ju la ka
(c) fa ya ka na
(d) fa ju ka na

15. In a certain code language, 481 means 'sky is blue', 246 means 'sea is deep' and 698 means 'sea looks blue.' What number is the code for 'blue'?

[SSC (CGL) 2015]

(a) 1
(b) 6
(c) 8
(d) 9

Directions (Q. No : 16 and 17) Study the following information carefully and answer the questions given below.

In a certain code language

'given time simple plan' is written as
'@E4 & N4 % N5 # E6'

'tired solution plant great' is written as
'#N8 @ D5 % T5 & T5'

'sick point good turn' is written as
'#K4 % D4 @ N4 & T5'

'garden sister phone team' is written as
'&E5 # R6 % N6 @ M4'

16. Which of the following is the code for 'translate'?

(a) @E8
(b) @E9
(c) #E8
(d) #T8
(e) #T9

17. In the given code language, what does the code '%D4' represent?

(a) Point
(b) Turn
(c) Sick
(d) Good
(e) None of these

Type 5

Substitution Coding

18. If 'white' is called 'blue', 'blue' is called 'red', 'red' is called 'yellow', 'yellow' is called 'green', 'green' is called 'black', 'black' is called 'violet' and 'violet' is called 'orange', then what would be the colour of human blood?

(a) Red
(b) Green
(c) Yellow
(d) Violet
(e) Orange
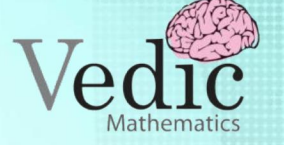
19. If 'parrot' is known as 'peacock', 'peacock' is known as 'swallow', 'swallow' is known as 'pigeon' and 'pigeon' is known as 'sparrow', then what would be the name of Indian National Bird?   **[SSC (10+2) 2016]**
(a) Parrot   **(b) Swallow**
(c) Peacock   (d) Pigeon

20. On another planet the local terminology for 'earth', 'water', 'light', 'air' and 'sky' are 'sky', 'light', 'air', 'water' and 'earth' respectively. If someone is thirsty there, what would he drink?
(a) Light   (b) Air
(c) Sky   (d) Water