Q 1. In a certain code language “CONSTRUCTION” is written as “EMPQVPWAVGQL”. What will be the code for “DESTRUCTION” in the same language?

1. FCURTSERKMP
2. EFTVSVDVJPO
3. FCURTSFSLOQ
4. None of the above
5. Cannot be determined

Answer: (1) FCURTSERKMP

Solution:

<table>
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<tr>
<th>C(+2)</th>
<th>O(-2)</th>
<th>N(+2)</th>
<th>S(-2)</th>
<th>T(+2)</th>
<th>R(-2)</th>
<th>U(+2)</th>
<th>C(-2)</th>
<th>T(+2)</th>
<th>I(-2)</th>
<th>O(+2)</th>
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<td>M</td>
<td>P</td>
<td>Q</td>
<td>V</td>
<td>P</td>
<td>W</td>
<td>A</td>
<td>V</td>
<td>G</td>
<td>Q</td>
<td>L</td>
</tr>
</tbody>
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<table>
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<th>E(-2)</th>
<th>S(+2)</th>
<th>T(-2)</th>
<th>R(+2)</th>
<th>U(-2)</th>
<th>C(+2)</th>
<th>T(-2)</th>
<th>I(+2)</th>
<th>O(-2)</th>
<th>N(+2)</th>
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<tbody>
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<td>U</td>
<td>R</td>
<td>T</td>
<td>S</td>
<td>E</td>
<td>R</td>
<td>K</td>
<td>M</td>
<td>P</td>
</tr>
</tbody>
</table>

Q 2. In a certain code language, “YEARLY” is written as “BVZIOB”. What will be the code for “ANNUAL” in the same language?

1. ZFOMMM
2. ZNNFZA
3. ZMMFZO
4. XCADGF
5. ZXAMMO

Answer: (3) ZMMFZO

Solution:

<table>
<thead>
<tr>
<th>Y(25th from start)</th>
<th>B (25th from end)</th>
<th>A (1st from start)</th>
<th>Z (1st from end)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E(5th from start)</td>
<td>V (5th from end)</td>
<td>N (14th from start)</td>
<td>M (14th from end)</td>
</tr>
<tr>
<td>A(1st from start)</td>
<td>Z (1st from end)</td>
<td>N (14th from start)</td>
<td>M (14th from end)</td>
</tr>
<tr>
<td>R(18th from start)</td>
<td>I (18th from end)</td>
<td>U (21st from start)</td>
<td>F (21st from end)</td>
</tr>
<tr>
<td>L(12th from start)</td>
<td>O (12th from end)</td>
<td>A (1st from start)</td>
<td>Z (1st from end)</td>
</tr>
<tr>
<td>Y(25th from start)</td>
<td>B (25th from end)</td>
<td>L (12th from start)</td>
<td>O (12th from end)</td>
</tr>
</tbody>
</table>
Q 3. In a certain code language “EASY” is written as “5117”. In the same code language, how will “BEAM” be written as?

1. 4512
2. 4567
3. 2513
4. 2514
5. 2563

Answer: (4) 2514

Solution:

EASY → E is the 5th alphabet in the series
A is the first alphabet in the series
S is the 19th alphabet, which makes it (1+9 = 10 ⇒ 1+0 = 1)
Y is the 25th alphabet, which makes it (2+5 = 7)
Hence, EASY = 5117

Similarly,
BEAM → B is the 2nd alphabet in the series
E is the 5th alphabet in the series
A is the 1st alphabet in the series
M is the 13th alphabet, which makes it (1+3 = 4)
Hence BEAM = 2514

Q 4. “SPECIAL” is written as “65” in a certain code language what will “CONNECT” be coded as?

1. 70
2. 64
3. 32
4. 78
5. 74

Answer: (5) 74

Solution:

SPECIAL → Sum of the place value of each alphabet in the alphabetical order
SPECIAL = 19+16+5+3+9+1+12 = 65
So, CONNECT = 3+15+14+14+5+3+20 = 74

Q 5. In a certain code language, “ISSUE” is written as “341145”, in the same code language what will be the code for “DATES”?

1. 4567
2. 340045
3. 4120519
4. 7600
5. 604
Answer: (4) 7600

Solution:
ISSUE → Multiplying the place value of each alphabet in the alphabetical series
ISSUE = 9×19×19×21×5 = 341145
Similarly, DATES = 4×1×20×5×19 = 7600

Directions (Q6 - Q10): Study the data given below and answer the following questions:
'Royal Monarch Regal' is written as @ # *,
'Regal legacy Gold' is written as * % ?,
'Hope Gold Life' is written as % & $,
'Regal Monarch Morals' is written as # * ∀

Q 6. What will be the code for Regal?
1. %
2. *
3. $
4. #
5. ?
Answer: (2) *

Q 7. What will be the code for “Gold Legacy”?
1. # &
2. % #
3. ? %
4. * ∀
5. & $
Answer: (3) ? %

Q 8. Which word is coded as #?
1. Moral
2. Life
3. Regal
4. Monarch
5. Legacy
Answer: (4) Monarch

Q 9. In the given coded language, which of the following words has been coded as &?
1. Gold
2. Life
3. Hope
4. Either ‘2’ or ‘3’
5. None of the above
Answer: (4) Either ‘2’ or ‘3’

Q 10. What is the code for royal?
    1. %
    2. @
    3. ?
    4. *
    5. ∀
Answer: (2) @

Solution (Q6 - Q10):

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>regal</td>
<td>*</td>
</tr>
<tr>
<td>gold</td>
<td>%</td>
</tr>
<tr>
<td>legacy</td>
<td>?</td>
</tr>
<tr>
<td>hope</td>
<td>$ / &amp;</td>
</tr>
<tr>
<td>monarch</td>
<td>#</td>
</tr>
<tr>
<td>moral</td>
<td>∀</td>
</tr>
<tr>
<td>royal</td>
<td>@</td>
</tr>
<tr>
<td>life</td>
<td>&amp; / $</td>
</tr>
</tbody>
</table>

Directions (Q11 - Q15): The data given below represents a coded language for different colours, analyse it and answer the questions following it:

"black orange yellow purple blue" is written as "set jet let get bet"
"grey green red purple" is written as "get pet wet vet"
"purple blue red silver" is written as "vet set get tet"
"grey orange pink" is written as " bet ret pet"

Q 11. Based on the information given above, what is the code for red?
    1. Vet
    2. Pet
    3. Ret
4. Wet
5. Get
Answer: (1) vet

Q 12. What will be the code for “Orange is Red”?  
  1. bet ret vet
  2. bet vet zet
  3. Wet get jet
  4. Jet let vet
  5. Pet set vet
Answer: (2) bet vet zet

Q 13. Which colour has been coded as “set”?  
  1. Yellow
  2. Black
  3. Green
  4. Grey
  5. Blue
Answer: (5) Blue

Q 14. What is the code for the colour “Grey”?  
  1. Set
  2. Jet
  3. Let
  4. Pet
  5. Wet
Answer: (4) pet

Q 15. Which of the given combinations is correct?  
  1. Green-set
  2. Orange-bet
  3. Grey-set
  4. Purple-bet
  5. Purple-pet
Answer: (2) Orange-bet

Solution (Q11 - Q15):

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>jet/ let</td>
</tr>
<tr>
<td>Orange</td>
<td>bet</td>
</tr>
</tbody>
</table>
Directions (Q16 - Q18): Based on the information given below, answer the following questions:

'Balloons are blue' is coded as ‘834’
'Rainbow in sky' is coded as ‘723’
'Carpet is beautiful' is coded as '629'
'Box is heavy' is coded as ‘325’

Q 16. What will be the code for ‘girls’?
   1. 5
   2. 6
   3. 3
   4. 76
   5. 34

Answer: (1) 5

Q 17. What will be the code for ‘India is a beautiful country’
   1. 4235
   2. 52197
   3. 12345
   4. 63547
   5. 234

Answer: (2) 52197

Q 18. Which of the following can be coded as “35724”
   1. Vacation in Italy
   2. She liked the gift a lot
   3. Taj Mahal located in Agra
   4. Raj is excited about the party
5. Syllabus is vast
Answer: (3) Taj Mahal located in Agra

Solution (Q16 - Q18):
The number of alphabets in each word is the code for the word.
For example, Balloons are blue, balloons is an 8 alphabet word, are is a 3 alphabet word and blue is a 4 alphabet word so the code becomes 834

Directions (Q19 - Q24): Study the data given below carefully and answer the questions based on the same information:
'sky planets satellites stars' written as 'od lk sk jk'
'sun moon space planets' written as 'mj jk dn ho'
'rocket stars sun airplane' written as 'gt fa mj lk'
'space earth sky rocket' written as 'sk mn ho gt'

Q 19. What is ‘satellites’ coded as?
1. Jk
2. Od
3. Ho
4. Dn
5. None of the above
Answer: (2) od

Q 20. What will be the code for "rocket airplane"
1. Fa gt
2. Jk gt
3. Mj dn
4. Sk od
5. Lk od
Answer: (1) Fa gt

Q 21. Which word is coded as “jk”?
1. Sky
2. Moon
3. Sun
4. Space
5. Planet
Answer: (5) planet

Q 22. Which of the following combinations is incorrect?
1. Space-ho
2. Earth-mn
3. Rocket-gt
4. Satellites-mn
5. Sky-sk

**Answer:** (4) Satellites-mn

**Q 23.** What will be the code for "earth"?

1. Od
2. Mn
3. Mj
4. Ho
5. Dn

**Answer:** (2) mn

**Q 24.** Which of the following words has been coded as ‘ho’?

1. Rocket
2. Space
3. Sun
4. Moon
5. Sky

**Answer:** (2) space

**Solution (Q19 - Q24):**

<table>
<thead>
<tr>
<th>Word</th>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>sky</td>
<td>sk</td>
</tr>
<tr>
<td>planet</td>
<td>jk</td>
</tr>
<tr>
<td>satellites</td>
<td>od</td>
</tr>
<tr>
<td>stars</td>
<td>lk</td>
</tr>
<tr>
<td>sun</td>
<td>mj</td>
</tr>
<tr>
<td>moon</td>
<td>dn</td>
</tr>
<tr>
<td>space</td>
<td>ho</td>
</tr>
<tr>
<td>rocket</td>
<td>gt</td>
</tr>
<tr>
<td>airplane</td>
<td>fa</td>
</tr>
<tr>
<td>earth</td>
<td>mn</td>
</tr>
</tbody>
</table>
Directions (Q25 - Q27): Given below are codes for a few alphabets, based on the coding answer the following questions:

<table>
<thead>
<tr>
<th>alphabet</th>
<th>T</th>
<th>N</th>
<th>P</th>
<th>C</th>
<th>G</th>
<th>A</th>
<th>S</th>
<th>E</th>
<th>H</th>
<th>K</th>
<th>I</th>
</tr>
</thead>
<tbody>
<tr>
<td>symbol</td>
<td>$</td>
<td>%</td>
<td>^</td>
<td>&amp;</td>
<td>*</td>
<td>?</td>
<td>@</td>
<td>+</td>
<td>#</td>
<td>£</td>
<td>A</td>
</tr>
</tbody>
</table>

Q 25. How will the word ‘Pens’ be written in coded language?

1. $%&*  
2. ^=+@  
3. @#$%^  
4. +@#$^%  
5. ^=+£

Answer: (2) ^=+@  

Q 26. If the code for T is exchanged with I, code for N is exchanged with K and so on, what will be the code for word “SKIP”?

1. $%&*  
2. ^=+@  
3. @#$%^  
4. +@#$^%  
5. ^=+£

Answer: (5) *%$#  

Solution:
New Codes after the interchanging is done,

<table>
<thead>
<tr>
<th>alphabet</th>
<th>T</th>
<th>N</th>
<th>P</th>
<th>C</th>
<th>G</th>
<th>A</th>
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<th>K</th>
<th>I</th>
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<tbody>
<tr>
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<td>A</td>
<td>£</td>
<td>#</td>
<td>+</td>
<td>@</td>
<td>?</td>
<td>*</td>
<td>&amp;</td>
<td>^</td>
<td>%</td>
<td>$</td>
</tr>
</tbody>
</table>

Code for SKIP = *%$#

Q 27. What word will be formed when the given code is decoded: ^=?£A%^*

1. Skipping  
2. Winning  
3. Packing  
4. Gapping  
5. Seeking

Answer: (3) Packing
Directions (Q28 - Q32): Study the information given below and answer the questions following it:

'Move Fast Or Left Behind' is coded as ‘7 1 9 0 3’
'Move Left Behind The Journey’ is coded as ‘4 9 1 5 3’
'Your Journey Ended Fast' is coded as ‘5 2 7 6’
'The Life Ended Or Behind’ is coded as ‘0 8 4 9 2’

Q 28. What is the code for “left”?  
1. 5  
2. 6  
3. 2  
4. 0  
5. 1  
Answer: (5) 1

Q 29. Which word has been coded as “3”?  
1. Move  
2. Behind  
3. The  
4. Journey  
5. Left  
Answer: (1) move

Q 30. How will 'your life journey' be coded as?  
1. 5 6 8  
2. 1 2 3  
3. 9 0 6  
4. 0 2 5  
5. 6 4 7  
Answer: (1) 568

Q 31. What is the code for 'fast'?  
1. 5  
2. 0  
3. 6  
4. 7  
5. 3  
Answer: (4) 7

Q 32. Which of the given combinations is correct?  
1. Left-3  
2. Journey-5
3. Ended-0
4. Move-6
5. Behind-8

Answer: (2) journey-5

Solution (Q28 - Q32):

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<th>Word</th>
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</tr>
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<td>the</td>
<td>4</td>
</tr>
<tr>
<td>behind</td>
<td>9</td>
</tr>
<tr>
<td>move</td>
<td>3</td>
</tr>
<tr>
<td>life</td>
<td>8</td>
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