Q:1 Select the option that is related to the third number in the same way as the second number is related to the first number.
35 : 1232 :: 27 : ?
1. 729
2. 189
3. 736
4. 981

Q:2 Select the option that is related to third cluster in the same way first cluster is related to second cluster.
HE : 26 :: IF :
1. 34
2. 28
3. 30
4. 32

Q:3 Choose the image from the options which is related to the third image in the same way as the second image is related to the first image.

1.
2.
3.
4.

Q:4 Select the option in which the words share the same relationship as that shared by the given pair of words.
Baffle : Confuse
1. Innocent : Gulity
2. Knowledge : Ignorance
3. Timid : Bold
4. Atrocious : Terrible

Q:5 Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster.
CDAF : XWZU :: DEFC : ?
1. WXUV

2. WVUX
3. WMUX
4. WYXV

Q:6 In the following question, select the related letters from the given alternatives.
HMPU : IOSY : : GMRF : ?
1. FKOB
2. HOUJ
3. HPUJ
4. HOJU

Q:7 Select the option which is related to the first term in the same way as the fourth term is related to the third term
11 : ? :: 15 : 239
1. 121
2. 127
3. 140
4. 131

Q:8 Choose the set of numbers that is similar to the following set.
(7, 13, 24)
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 16 - Operations on 16 such as adding/dividing/multiplying etc. to 16 can be performed. Breaking down 16 into 1 and 6 and then performing mathematical operations on 1 and 6 is not allowed.)
1. (4, 6, 11)
2. (2, 2, 5)
3. (11, 14, 12)
4. (9, 10, 19)

Q:9 Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.
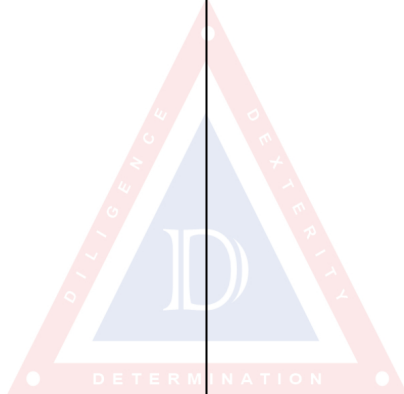MPO : NSQ :: RCS : IFU :: TGA : ?
1. GJC
2. GDS
3. XSA
4. GSE

Q:10 Select the sixth number which is related to the fifth number in the same way as the fourth number is related to the third and the second number is related to the first.

99 : 108 :: 48 : 48 :: 63 : ?

1. 74

2. 46

3. 39

4. 27

Answer Key

1. (3)	**2.** (3)	**3.** (2)	**4.** (4)	**5.** (2)
6. (2)	**7.** (4)	**8.** (3)	**9.** (1)	**10.** (4)

Answers and Solutions

Q:1 The correct answer is **Option 3** i.e. **736.**
The logic followed here is as follows:
Take the square of the first number and add 7 to it.
$35^2 + 7 = 1225 + 7 = 1232$
Similarly,
$27^2 + 7 = 729 + 7 = 736$
Hence, **736** is the correct answer.

Q:2 The correct answer is **Option 3** i.e. **30**
The logic followed here is:
Add the place values of both the alphabets as per the English alphabetical series and then multiply the sum by 2.
For HE: The place value of H is 8 and E is 5
$(8 + 5) \times 2 = 13 \times 2 = 26$
Similarly, for IF: The place value of I is 9 and F is 6.
$(9 + 6) \times 2 = 15 \times 2 = 30$
Hence, the correct answer is **30.**

Q:3 The correct answer is **Option 2**
The second figure is the water image of the first figure.
Option 2 shows the water image of the third figure.
Thus, the next image will be:

Q:4 The correct answer is **Option 4** i.e. **Atrocious : Terrible**
The words 'Baffle' and 'Confuse' are synonyms of each other.
Both words denote something that is impossible or difficult to understand (confusing).
In the given options,
'Atrocious' and 'Terrible' are synonyms of each other.

Both words mean extremely bad or unpleasant. and the pairs in the remaining options are antonyms of each other.
Hence, the correct answer is **Atrocious : Terrible**

Q:5 The correct answer is **Option 2** i.e. **WVUX.**
Given:
CDAF : XWZU :: DEFC
So, here each letter is written according to the reverse order of the letters according to English alphabetical order.
C ⇔ X, D ⇔ W, A ⇔ Z, F ⇔ U
Similarly, DEFC is written as:
D ⇔ W, E ⇔ V, F ⇔ U, C ⇔ X
Hence, the correct answer is **WVUX.**

Q:6 The correct answer is **Option 2** i.e. **HOUJ**
Logic:
HMPU: IOSY
H + 1 = I
M + 2 = O
P + 3 = S
U + 4 = Y
Similarly for GMRF,
G + 1 = H
M + 2 = O
R + 3 = U
F + 4 = J
Hence, **HOUJ** is the correct answer.

Q:7 The correct answer is **Option 4** i.e. **131.**
Given,
15 --- (15 × 15) + (15 – 1) = 225 + 14 = 239.
Similarly,
11 --- (11 × 11) + (11 – 1) = 121 + 10 = 131.
Hence, **131** is the correct answer.

Q:8 The correct answer is **Option 3** i.e. **(11, 14, 12).**
The logic:

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The second number - first number = third number/4

13 - 7 = 24 ÷ 4 = 6

This doesn't follow in options except for option (3).

14 - 11 = 3 and 12 ÷ 4 = 3

Hence, **(11, 14, 12)** is the correct answer.

Q:9 The correct answer is **Option 1** i.e. **GJC**

The logic used here is:

MPO : NSQ

Opposite of M = N

P + 3 = S

O + 2 = Q

RCS : IFU

Opposite of R = I

C + 3 = F

S + 2 = U

Similarly,

TGA : ?

Opposite of T = G

G + 3 = J

A + 2 = C

Hence, **GJC** is the correct answer.

Q:10 The correct answer is **Option 4** i.e. **27**

99 : 108

Logic = $(9 + 9)^2 \div 3$

= $324 \div 3$

= 108

48 : 48

Logic = $(4 + 8)^2 \div 3$

= $144 \div 3$

= 48

Similarly, 63 : ?

Logic = $(6 + 3)^2 \div 3$

= $81 \div 3$

= 27

So, 63 : 27 is correct.

Hence, **27** is the correct answer.