

- Select -



**I.I.H.M. Admission 2017**

Dual Degree from UWL & UGC



## Permutation And Combinations 02

01. In a chess competition involving some boys and girls of a school, every student had to play exactly one game with the every other student. It was found that in 45 games both the players were girls and in 190 games both were boys. The number of games in which one player was a boy and the other was a girl is ?  
(a) 200 (b) 216 (c) 235 (d) 256
02. A new flag is to be designed with six vertical stripes using some or all of the colours yellow, green, blue and red. Then, the number of ways this can be done such that no two adjacent stripes have the same colour is ?  
(a)  $12 \times 81$  (b)  $16 \times 192$  (c)  $20 \times 125$  (d)  $24 \times 216$
03. An intelligence agency forms a code of two distinct digits selected from 0, 1, 2, ..., 9 such that the first digit of the code is non-zero. The code, handwritten on a slip, can however potentially create confusion, when read upside down- for example, the code 91 may appear as 16. How many codes are there for which no such confusion can arise ?  
(a) 80 (b) 78 (c) 71 (d) 69
04. How many numbers can be made with digits 0, 7, 8 which are greater than 0 and less than a million ?  
(a) 496 (b) 486 (c) 1084 (d) 728
05. In how many ways is it possible to choose a white square and a black square on a chess-board so that the squares must not lie in the same row or column ?  
(a) 56 (b) 896 (c) 60 (d) 768
06. How many four-letter computer passwords can be formed using only the symmetric letters. (no repetition allowed) (Symmetric letters :- A, H, I, M, O, T, U, V, W, X AND Z)  
(a) 7920 (b) 330 (c) 14640 (d) 419430
07. How many three-letter computer password can be formed with at least one symmetric letter ? (Symmetric letters: A, H, I, M, O, T, U, V, W, X and Z)  
(a) 990 (b) 2730 (c) 12870 (d) 1560000
08. For a scholarship, at the most  $n$  candidates out of  $2n+1$  can be selected. If the number of different ways of selection of at least one candidate is 63, the maximum number of candidates that can be selected for the scholarship is ?  
(a) 3 (b) 4 (c) 6 (d) 5



(<https://www.facebook.com/...>)



### State Bank PO 2017 Material

Free Data Interpretation Ebook

Download Free State Bank PO 2017 Exam Prep Material used by 1000s of Students.



[talentsprint.com](http://talentsprint.com)



### State Bank PO 2017 Material

Free Data Interpretation Ebook

Download Free State Bank PO 2017 Exam Prep Material used by 1000s of Students.



[talentsprint.com](http://talentsprint.com)

09. Ten points are marked on a straight line and 11 points are marked on another straight line. How many triangles can be constructed with vertices from among the above points ?

- (a) 495 (b) 550 (c) 1045 (d) 2475

10. How many numbers can be formed from 1, 2, 3, 4, 5 (without repetition), when the digit at unit's place must be greater than the in the ten's place ?

- (a) 54 (b) 60 (c) 17 (d)  $2 \times 4!$

Answers :


- |    |   |     |   |
|----|---|-----|---|
| 1. | A | 2.  | A |
| 3. | D | 4.  | D |
| 5. | D | 6.  | A |
| 7. | C | 8.  | A |
| 9. | C | 10. | B |

[Detailed Solution \(http://www.elitmuszone.com/elitmus/permutation-and-combination-solution-02/\)](http://www.elitmuszone.com/elitmus/permutation-and-combination-solution-02/)

#### You might be interested in this article

- [Permutation and Combinations \(http://www.elitmuszone.com/elitmus/permutation-and-combinations/\)](http://www.elitmuszone.com/elitmus/permutation-and-combinations/)
- [Number System \(http://www.elitmuszone.com/elitmus/number-system/\)](http://www.elitmuszone.com/elitmus/number-system/)
- [Logical Reasoning Problems \(http://www.elitmuszone.com/elitmus/logical-reasoning-problems/\)](http://www.elitmuszone.com/elitmus/logical-reasoning-problems/)
- [Cryptarithmic Multiplication Problem \(http://www.elitmuszone.com/elitmus/cryptarithmic-multiplication/\)](http://www.elitmuszone.com/elitmus/cryptarithmic-multiplication/)


Share this article  ([http://www.facebook.com/sharer.php?](http://www.facebook.com/sharer.php?u=http://www.elitmuszone.com/elitmus/permutation-and-combinations-set-2/)

[u=http://www.elitmuszone.com/elitmus/permutation-and-combinations-set-2/](http://www.elitmuszone.com/elitmus/permutation-and-combinations-set-2/)) 

(<https://plus.google.com/share?url=http://www.elitmuszone.com/elitmus/permutation-and-combinations-set-2/>)  (mailto:

subject=Permutation%20and%20Combinations%2002&body=%20http://www.elitmuszone.com/elitmus/permutation-and-combinations-set-2/)

 ([http://twitter.com/share?](http://twitter.com/share?url=http://www.elitmuszone.com/elitmus/permutation-and-combinations-set-2/)

[url=http://www.elitmuszone.com/elitmus/permutation-and-combinations-set-2/](http://www.elitmuszone.com/elitmus/permutation-and-combinations-set-2/)&text=Permutation+and+Combinations+02+) 



By  
14+ Years of  
Experienced  
Professional  
Trainer

**Selenium**  
Training

 [Register Now](#)