

## Puzzle test for SBI PO Mains, IBPS PO Mains and RBI Grade B Exams.

PT Set No 168

## Directions: Study the following information carefully and answer the questions given beside.

Ankur is having two cupboards parallel to each other such that Cupboard A is east of Cupboard B. Each cupboard has 8 racks and the height of each of the racks of both the Cupboards is same. The lowermost rack is numbered as one and above is two and so on till the topmost in both Cupboards. Each rack is marked with alphabetical letters from F to $U$, but not necessarily in the same order. From $F$ to $U$ all vowel letters are in even numbered rack. Each rack contains different types of fruits such that no two racks have same type of fruits.

Condition: All even numbered rack i.e 2, 4, 6 and 8 is having the letter of the Rack marked is followed by the letter of the Rack marked just below the odd numbered rack as per the English alphabet in both the cupboards $A$ and $B$. Unless stated this condition will not change.

Rack K and the rack, which contains Papaya are in Cupboard B and Cupboard A respectively, but Rack K is not to the west of the rack, which contains Papaya. The rack P, which contains Orange is third to below the Rack M . The rack, which contain coconut is placed at an even numbered rack. Only one rack is there between Rack T, which is placed at an odd numbered position and the rack, which contains Strawberry. Rack $P$ is below the Rack M, which is in the Cupboard B. Rack T is in Cupboard A. Two racks are there between Rack G and Rack R. Rack $R$ is not in the topmost. Rack $F$ is above the rack, which contains Papaya and more than two racks are there in between them, but Rack $F$ is not in the topmost but is in Cupboard A. Pears is in the lowermost rack of Cupboard A. The rack, which contains Coconut, is east to the rack, which is immediately above the Rack J. The rack, which contains Strawberry, is neither in Cupboard B nor east to the rack, which contains Apple in Cupboard B. Grapes is in the lowermost Rack.

Rack M, Rack Q and Rack I are in Cupboard B such that Rack Q is below the Rack M. Rack M is to the west of Rack S, which contains Dates. The rack, which contains Pineapple, is east to the rack, which contains Plum, which is immediately above position 6 in Cupboard B. Rack $U$ is third above Rack $N$ in the same Cupboard. The rack, which contains Guava, is immediately below the rack, which contains Banana and both these racks are below the rack, which contains Melon. Guava and Litchi is on the same Rack position no. 4. Number of racks above the Rack K, Which is in cupboard B is same as the number of the racks below the rack, which contains Pears. Number of racks below the Rack N is two less than the number of racks above the rack, which contains Dates. Melon is not kept to the West to Dates but any of the rack above Apple which is to the west of Papaya. Jackfruit and Cherry is not kept at bottom but in the Cupboard A and Cupboard B respectively.

## 1. Which among the following rack contains Banana?

A. Rack M
B. Rack T
C. Rack P
D. Rack L
E. Rack F

## 2. How many racks are there below the rack which contains Guava in Cupboard B?

A. 1
B. 2
C. 3
D. 4
E. 5
3. Four of the following five are alike in a certain way and hence forms a group which doesnot belong to the group.
A. P- Grapes
B. Q-Apples
C. T-Pears
D. M- Banana
E. F-Strawberry
4. Which of the following fruits are kept in even number positions?
i. Apple and guava
ii. Apple and Orange
iii. Litchi and coconut
A. Both I and II
B. Both I and III
C. Both II and III
D. All I, II and III
E. None of These
5. Which one of the following is kept at position number 6?
A. Guava, litchi
B. Plum, Pineapple
C. Cherry, Dates
D. Grapes, Pears
E. Melon, Papaya

## Correct Answers:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: |
| D | C | D | B | C |

## Common explanation :

## References:

Ankur is having two cupboards parallel to each other such that Cupboard A is east of Cupboard B. Each cupboard has 8 racks and the height of each of the racks of both the Cupboards is same. The lowermost rack is numbered as one and above is two and so on till the topmost in both Cupboards. Each rack is marked with alphabetical letters from F to U , but not necessarily in the same order. From F to U all vowel letters are in even numbered rack. Each rack contains different types of fruits such that no two racks have same type of fruits.

## Inferences:

From the given reference it is clear that two cupboards are placed parallel to each other and Cupboard A is placed to the east of Cupboard B.

Each Cupboard is having eight racks the lowermost rack is Rack 1 and the topmost rack is Rack 8.
Each rack is marked with alphabetical order from $F$ to $U$ not necessarily in the same order. All vowels are in even numbered rack. No two racks contains same fruits as each of the rack contains different fruits.

| Cupboard-B |  |  | Cupboard-A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Positions | Racks | Fruits | Positions | Racks |
| Fruits |  |  |  |  |  |
| 8 |  |  | 8 |  |  |
| 7 |  |  | 7 |  |  |
| 6 |  |  | 6 |  |  |
| 5 |  |  | 5 |  |  |
| 4 |  |  | 4 |  |  |
| 3 |  |  | 3 |  |  |
| 2 |  |  | 2 |  |  |
| 1 |  |  | 1 |  |  |

## References:

Condition:All even numbered rack i.e 2, 4, 6 and 8 having the letter of the Rack marked is followed by the letter of the Rack marked just below the even numbered rack as per the English alphabet in both the cupboards A and B. Unless stated this condition will not change.

## Inferences:

This is the most important part of the question.
All even numbered racks i.e $2,4,6$ and 8 having the letter of the Rack marked is followed by the letter of the Rack marked just below the even numbered rack as per the English alphabet in both the cupboards A and B. Means if suppose Rack at position 2 is having alphabet V then rack at position 1 will have alphabet U .

Now from this we make $\mathrm{F}, \mathrm{G}, \mathrm{H}, \mathrm{I}, \mathrm{J}, \mathrm{K}, \mathrm{L}, \mathrm{M}, \mathrm{N}, \mathrm{O}, \mathrm{P}, \mathrm{Q}, \mathrm{R}, \mathrm{S}, \mathrm{T}, \mathrm{U}$ as a note. If we find any alphabet from statement we can arrange accordingly.

## References:

Rack K and the rack, which contains Papaya are in Cupboard B and Cupboard A respectively, but Rack K is not to the west of the rack, which contains Papaya. Pears is in the lowermost rack of Cupboard A.Grapes is in the lowermost Rack. Number of racks above the Rack K, Which is in cupboard B is same as the number of the racks below the rack, which contains Pears. Pears is in the lowermost rack of Cupboard A.Rack $M$, Rack $Q$ and Rack I are in Cupboard B such that Rack Q is below the Rack M.

## Inferences:

Pears is in the lowermost rack in Cupboard A

Grapes is in the lowermost Rack.
Number of racks above the Rack K, Which is in cupboard B is same as the number of the racks below the rack, which contains Pears.

Rack K and the rack, which contains Papaya are in Cupboard B and Cupboard A respectively, but Rack K is not to the west of the rack, which contains Papaya.

Papaya is in Cupboard A.
Rack M, Q and I are in Cupboard B. Q is below M.
$Q$ is in even place being vowel.

| Cupboard-B |  |  | Cupboard-A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positions | Racks | Fruits | Positions | Racks | Fruits |
| 8 | K |  | 8 |  |  |
| 7 |  |  | 7 |  |  |
| 6 |  |  | 6 |  |  |
| 5 |  |  | 5 |  |  |
| 4 |  |  | 4 |  |  |
| 3 |  |  | 3 |  |  |
| 2 |  |  | 2 |  |  |
| 1 |  | Grapes | 1 |  | Pears |

Now if K is there so now J will be just below it as per condition.
We have the pair fg , hi, jk, Im, no, pq, rs, tu as per condition.

| Cupboard-B |  |  | Cupboard-A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positions | Racks | Fruits | Positions | Racks | Fruits |
| 8 | K |  | 8 |  |  |
| 7 | J |  | 7 |  |  |
| 6 |  |  | 6 |  |  |
| 5 |  |  | 5 |  |  |
| 4 |  |  | 4 |  |  |
| 3 |  |  | 3 |  |  |
| 2 |  |  | 2 |  |  |
| 1 |  | Grapes | 1 |  | Pears |

## Reference:

The rack, which contains Coconut, is east to the rack, which is immediately above the Rack J.Rack T is in Cupboard A. Rack R is not in the topmost. The rack, which contains Pineapple, is east to the rack, which contains Plum, which is immediately above position 6 in Cupboard B.The rack, which contain coconut is placed at an even numbered rack. Guava and Litchi is on the same Rack position no.4. Rack F is above the rack, which contains Papaya and more than two racks are there in between them, but Rack F is not in the topmost but is in Cupboard A. Jackfruit and Cherry is not kept at bottom but in the Cupboard A and Cupboard B respectively.

## Inference:

The rack, which contains Coconut, is east to the rack, which is immediately above the Rack J.
coconut is placed at an even numbered rack
The rack, which contains Pineapple, is east to the rack, which contains Plum, which is immediately above position 6 in Cupboard B

Rack $T$ is in Cupboard $A$

| Cupboard-B |  |  | Cupboard-A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positions | Racks | Fruits | Positions | Racks | Fruits |
| 8 | K |  | 8 |  | Coconut |
| 7 | J | Plum | 7 |  | Pineapple |
| 6 |  |  | 6 |  |  |
| 5 |  |  | 5 |  |  |
| 4 |  |  | 4 |  |  |
| 3 |  |  | 3 |  |  |
| 2 |  |  | 2 |  |  |
| 1 |  | Grapes | 1 |  | Pears |

Guava and Litchi at position 4. Rack F is above the rack, which contains Papaya and more than two racks are there in between them, but Rack $F$ is not in the topmost but is in Cupboard A. Jackfruit and Cherry is not kept at bottom but in the Cupboard A and Cupboard B respectively. F will be in Rack because we have pair FG which sets there.

| Cupboard-B |  |  | Cupboard-A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positions | Racks | Fruits | Positions | Racks | Fruits |
| 8 | K |  | 8 | G | Coconut |
| 7 | J | Plum | 7 | F | Pineapple |
| 6 |  |  | 6 |  |  |
| 5 |  |  | 5 |  |  |
| 4 |  | Guava/Litchi | 4 |  | Guava/ Litchi |
| 3 |  |  | 3 |  | Papaya |
| 2 |  |  | 2 |  | Papaya |
| 1 |  | Grapes | 1 |  | Pears |

## Reference:

Two racks are there between Rack G and Rack R. Only one rack is there between Rack T, which is placed at an odd numbered position and the rack, which contains Strawberry. Rack P is below the Rack M , which is in the Cupboard B. The rack, which contains Strawberry, is neither in Cupboard B nor east to the rack, which contains Apple in Cupboard B. . Rack M is to the west of Rack $S$, which contains Dates. Number of racks below the Rack N is two less than the number of racks above the rack, which contains Dates. Rack U is third above Rack $N$ in the same Cupboard

## Inference:

Two racks are there between Rack G and Rack R.
$R$ and $S$ is pairs as per condition.

P and M are in Cupboard B .
Strawberry is in Cupboard A
Apple is in Cupboard B.

T will be at 3 .
Strawberry in Rack R.
S contains Dates. Rack M is to the west of Rack S, which contains Dates. So Lis at 5 as per condition. Rack $U$ is third above Rack $N$ in the same Cupboard

O will be at Rack 2.

| Cupboard-B |  |  | Cupboard-A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positions | Racks | Fruits | Positions | Racks | Fruits |
| 8 | K |  | 8 | G | Coconut |
| 7 | J | Plum | 7 | F | Pineapple |
| 6 | M |  | 6 | S | Dates |
| 5 | L | Apple | 5 | R | Stawberry |
| 4 |  | Guava/Litchi | 4 | U | Guava/ Litchi |
| 3 |  |  | 3 | T | Papaya |
| 2 |  |  | 2 | O | Papaya |
| 1 |  | Grapes | 1 | N | Pears |

## Reference:

Melon is not kept to the West to Dates but any of the rack above Apple which is to the west of Papaya. The rack, which contains Guava, is immediately below the rack, which contains Banana and both these racks are below the rack, which contains Melon.The rack P, which contains Orange is third to below the Rack M

## Inference:

Melon is not kept to the West to Dates

Apple is west of Papaya.
The rack, which contains Guava, is immediately below the rack, which contains Banana

The rack P, which contains Orange is third to below the Rack M

Jackfruit is in A.

Cherry is in $B$.
$P$ at $3, Q$ will be at 4 as per condition.

| Cupboard-B |  |  | Cupboard-A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positions | Racks | Fruits | Positions | Racks | Fruits |
| 8 | K | Melon | 8 | G | Coconut |
| 7 | J | Plum | 7 | F | Pineapple |
| 6 | M | Cherry | 6 | S | Dates |
| 5 | L | Banana | 5 | R | Stawberry |
| 4 | Q | Guava | 4 | U | Litchi |
| 3 | P | Orange | 3 | T | Jackfruit |
| 2 | I | Apple | 2 | O | Papaya |
| 1 | H | Grapes | 1 | N | Pears |

## Explanations:

1. From the common explanation we will have Rack $L$ as answer.

Hence, option D is correct.
2. From the common explanation we have the answer as 3 .

Hence, option C is correct.
3. Correct answer is M- Banana because rest is the combination of Rack with fruit second to the below of that rack.

Hence, option D is correct.
4. From the common explanation we have option $B$ as answer.

Hence, option B is correct.


Hence, option C is correct.
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