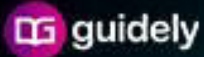


## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)



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## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

**Directions (1-5):** Study the following information carefully and answer the questions given below:

A certain number of boxes are kept on different shelves from top to bottom. Each shelf has two stacks marked as I and II. Stack I is to the west of stack II.

Box J is kept two shelves above M which is kept south-west of Box X. Only two shelves are there between Box X and Box I which is kept immediately below box J. Box X is kept exactly between J and P, both boxes J and P are kept on the same stack. Four shelves are there between box I and Box P which is kept above box I. Box I is kept on the same stack as box X. Box L is kept two shelves above Box P but not in stack II. No box is kept above L. Box B is kept two shelves below box M and north-west of box Z. Seven shelves are there between Box B and Box Z. Box B and Box E are kept on the same stack. The number of shelves between Z and E is the same as between P and L. The number of shelves above P is the same as kept below E. Box H is north-east of Box Y which is kept three shelves above box E. Box Y is kept exactly between Box E and Box B. The number of shelves between J and L is the same as between H and Z. Box H and box J are not kept on the same stack.

Not more than five shelves are there between B and the shelf which is immediately above box E.

1) How many shelves are there in the stack?

- A. 18
- B. 22
- C. 21
- D. 19
- E. 20

2) Four of the following five are alike in a certain way. Which of the following one does not belong to the group?

- A. Box E
- B. Box J
- C. Box L
- D. Box H
- E. Box Y

3) Which of the following statement is/are true?

- I. Box M and Box I kept on adjacent shelves
  - II. Box E kept at odd numbered stack
  - III. Only three shelves are there between P and I
- A. Both I and III
  - B. Only III
  - C. Both I and II
  - D. Only II
  - E. None of these

4) How many shelves are there above Box P?

- A. Three
- B. Five
- C. Two
- D. Six
- E. None of the above

## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

5) How many shelves are there between box Y and box J?

- A. Four
- B. Six
- C. Eight
- D. Ten
- E. Five

**Directions (6-10):** Study the following information carefully and answer the questions given below:

Certain number of boxes not more than eleven having different items are kept one above another in different shelves from bottom to top where the bottommost shelf is numbered as 1 and above it as 2 and so on

Two shelves are in between the box having Medicine and the box having Candy where the latter one is kept below the former one. Box having Candy does not kept at the even number shelf. Box having Rubber is placed just above the box of Medicine. Neither box of Specs nor the box of Gadgets is kept at 9<sup>th</sup> position. Three shelves are in between the box of Butter and the box of Specs. Box of Fruits is kept at third from the top and just above the Box of Specs. One of the boxes is vacant and placed four places below the box of Fruits and third from the bottom. Neither the box of Perfumes nor the box of Gadgets is kept below the Vacant box. Both the boxes of

Perfumes and Gadgets is kept above the box of Fruits. Box of Butter is placed at that shelf which is the cube root of a number but not in bottommost position.

6) How many boxes are kept between the box of Gadgets and the Vacant box?

- A. As many boxes are kept between the box of specs and box of perfumes
- B. None
- C. Four
- D. Three
- E. One

7) Which of the box is kept just below the box of Perfumes?

- A. The box which is kept at 7<sup>th</sup> position
- B. Box of Specs
- C. Box of Rubber
- D. None of these
- E. Box of Gadgets

8) Which of the following statements is/ are not true?

- A. Box of Butter are placed just below the Vacant Box
- B. One box is placed in between the box of Rubber and the box of Candy
- C. Box of Specs is placed fourth from the top
- D. Both A and B
- E. Both B and C

## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

9) Four of the following are related to each other and hence forms a group. Which of the following does not belong to that group?

- A. Box of Medicine
- B. Box of Candy
- C. Box of Fruits
- D. Box of Rubber

E. Box of Perfumes

10) How many total boxes are there in the stack?

- A. Five
- B. Eleven
- C. Eight
- D. Nine
- E. Seven

### ANSWER WITH EXPLANATION

Directions (1-5):

- 1) Answer: D
- 2) Answer: D
- 3) Answer: C
- 4) Answer: C
- 5) Answer: B

We have,

- Box J is kept two shelves above M which is south-west of Box X.
- Only two shelves are there between Box X and Box I which is kept immediately below box J.
- Box X is kept exactly between J and P, both boxes J and P are kept on the same stack.
- Four shelves are kept between box I and Box P which is kept above box I.
- Box I is kept in the same stack as box X.

From the above condition, there are two possibilities.

Case1		Case2	
Stack I	Stack II	Stack I	Stack II
P			P
	X		X
J			J
	I		I
M		M	

Again we have,

- Box L is kept two shelves above Box P but not in stack II.
- No boxes are kept above L.

## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

Case1		Case2	
Stack I	Stack II	Stack I	Stack II
L		L	
P			P
	X		X
J			J
	I		I
M		M	

Again we have,

- Box B is kept two shelves below box M and north-west of box Z.
- Seven shelves are there between Box B and Box Z.
- Box B and Box E are kept on the same stack.
- The number of shelves between Z and E is the same as between P and L.
- The number of shelves above P is the same as below E.

From the above condition, there are four possibilities.

Case1		Case2		Case2a		Case1a	
Stack I	Stack II	Stack I	Stack II	Stack I	Stack II	Stack I	Stack II
L		L		L		L	
P			P		P	P	
	X		X		X		X
J			J		J	J	
	I		I		I		I
M		M		M		M	
B		B		B		B	
E		E					
	Z		Z		Z		Z
				E		E	

Again we have,

- Box H is north-east of Box Y which is kept three shelves above box E.
- Box Y is kept exactly between Box E and Box B.
- The number of shelves between J and L is the same as between H and Z.
- Box H and box J are not kept on the same stack.



## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

From the above condition, case-1a, case2 and case2a get eliminated.

Case1		<del>Case2</del>		<del>Case2a</del>		<del>Case1a</del>	
Stack I	Stack II	Stack I	Stack II	Stack I	Stack II	Stack I	Stack II
L		L		L		L	
P			P		P	P	
	X		X		X		X
J			J		J	J	
	I		I		I		I
M		M		M		M	
B		B		B		B	
	H		H		H		H
Y		Y					
E		E					
				Y		Y	
	Z		Z		Z		Z
				E		E	

Again we have,

- Not more than five shelves are there between B and the shelf which is immediately above Box E.

From the above condition, case1 shows the final arrangement.

Case1	
Stack I	Stack II
L	
P	
	X
J	
	I
M	
B	
	H
Y	
E	
	Z

Directions (6-10):

6) Answer: C

7) Answer: E

8) Answer: B

9) Answer: A

10) Answer: D

## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

**STEP I:** Two shelves are in between the box having Medicine and the box having Candy where the latter one is kept below the former one.

As per this statement, the arrangement will look like this:

**Medicine**

\_\_\_\_\_

**Candy**

**STEP II:** Box having Candy does not kept at the even number shelf.

As per this statement, there are four possible cases and in **CASE I** Candy will be placed at serial number 1, in **CASE II**, it will be placed at serial number 3, in **CASE III** it will be placed at serial number 5 and in **CASE IV** it will be placed at serial number 7 and the arrangement will look like this:

CASE I	
Serial Number	Products Name
11	
10	
9	
8	
7	
6	
5	
4	Medicine
3	
2	
1	Candy

CASE II	
Serial Number	Products Name
11	
10	
9	
8	
7	
6	Medicine
5	
4	
3	Candy
2	
1	

## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

CASE III	
Serial Number	Products Name
11	
10	
9	
8	Medicine
7	
6	
5	Candy
4	
3	
2	
1	

CASE IV	
Serial Number	Products Name
11	
10	Medicine
9	
8	
7	Candy
6	
5	
4	
3	
2	
1	

**STEP III:** Box having Rubber is placed just above the box of Medicine.

As per this statement, in **CASE I** Rubber will be placed at serial number 5, in **CASE II** it will be placed at serial number 7, in **CASE III** it will be placed at serial number 9 and in **CASE IV** it will be placed at serial number 11 and the arrangement will look like this:

CASE I	
Serial Number	Products Name
11	
10	
9	
8	
7	
6	
5	Rubber
4	Medicine
3	
2	
1	Candy



## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

CASE II	
Serial Number	Products Name
11	
10	
9	
8	
7	Rubber
6	Medicine
5	
4	
3	Candy
2	
1	

CASE III	
Serial Number	Products Name
11	
10	
9	Rubber
8	Medicine
7	
6	
5	Candy
4	
3	
2	
1	

CASE IV	
Serial Number	Products Name
11	Rubber
10	Medicine
9	
8	
7	Candy
6	
5	
4	
3	
2	
1	

**STEP IV:** Box of Butter is placed at that shelf which is the cube root of a number but not in bottommost position.

As per this statement till the serial number 11 there is only one number whose cube root is possible that is 8 whose cube root is 2 and in every case Box of Butter will be placed at serial number 2 and now the arrangement will look like this:

## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

CASE I	
Serial Number	Products Name
11	
10	
9	
8	
7	
6	
5	Rubber
4	Medicine
3	
2	Butter
1	Candy

CASE II	
Serial Number	Products Name
11	
10	
9	
8	
7	Rubber
6	Medicine
5	
4	
3	Candy
2	Butter
1	

CASE III	
Serial Number	Products Name
11	
10	
9	Rubber
8	Medicine
7	
6	
5	Candy
4	
3	
2	Butter
1	

CASE IV	
Serial Number	Products Name
11	Rubber
10	Medicine
9	
8	
7	Candy
6	
5	
4	
3	
2	Butter
1	

## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

**STEP V:** Three shelves are in between the box of Butter and the box of Specs.

As per this statement, **CASE II** will get eliminated because as per the statement, Specs Box will be placed at serial number 6 but in this case box of Medicine is already

on that serial number and in **CASE I, III and IV** boxes of Specs will be placed at serial number 6 and the arrangement will look like this:

CASE I	
Serial Number	Products Name
11	
10	
9	
8	
7	
6	Specs
5	Rubber
4	Medicine
3	
2	Butter
1	Candy

CASE II	
Serial Number	Products Name
11	
10	
9	
8	
7	Rubber
6	Medicine
5	
4	
3	Candy
2	Butter
1	

CASE III	
Serial Number	Products Name
11	
10	
9	Rubber
8	Medicine
7	
6	Specs
5	Candy
4	
3	
2	Butter
1	

## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

CASE IV	
Serial Number	Products Name
11	Rubber
10	Medicine
9	
8	
7	Candy
6	Specs
5	
4	
3	
2	Butter
1	

**STEP VI:** Box of Fruits is kept at third from the top and just above the Box of Specs.

As per this statement, **CASE IV** will get eliminated because above the box of Specs box of Candy is already placed and now, we will continue with **CASE I** and **CASE III**

and in both the cases box of Fruits will be kept at serial number 7<sup>th</sup> and the arrangement will look like this:

CASE I	
Serial Number	Products Name
9	
8	
7	Fruits
6	Specs
5	Rubber
4	Medicine
3	
2	Butter
1	Candy

CASE III	
Serial Number	Products Name
9	Rubber
8	Medicine
7	Fruits
6	Specs
5	Candy
4	
3	
2	Butter
1	

## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

CASE IV	
Serial Number	Products Name
	Rubber
	Medicine
9	
8	
7	Candy
6	Specs
5	
4	
3	
2	Butter
1	

**STEP VII:** One of the boxes is vacant and placed four places below the box of Fruits and third from the bottom.

As per this statement, the serial number which will be vacant in both the cases is 3 and the arrangement will look like this:

CASE I	
Serial Number	Products Name
9	
8	
7	Fruits
6	Specs
5	Rubber
4	Medicine
3	Vacant
2	Butter
1	Candy

CASE III	
Serial Number	Products Name
9	Rubber
8	Medicine
7	Fruits
6	Specs
5	Candy
4	
3	Vacant
2	Butter
1	

**STEP VIII:** Neither box of Specs nor the box of Gadgets is kept at 9th position. Neither the box of Perfumes nor the box of Gadgets is kept below



## Box Based Puzzle for Bank Mains Exam – Question Bank Set 1 (Eng)

the Vacant box. Both the boxes of Perfumes and Gadgets is kept above the box of Fruits.

As per these statements, **CASE III** will get eliminated because just above the box of Fruits there is no space for box of Perfumes and Gadgets in this case and now, we will continue with **CASE I** and it is also clear that there are only nine boxes in total and the final arrangement will look like this:

<b>CASE I</b>	
<b>Serial Number</b>	<b>Products Name</b>
9	Perfumes
8	Gadgets
7	Fruits
6	Specs
5	Rubber
4	Medicine
3	Vacant
2	Butter
1	Candy

<del><b>CASE III</b></del>	
<b>Serial Number</b>	<b>Products Name</b>
9	Rubber
8	Medicine
7	Fruits
6	Specs
5	Candy
4	
3	Vacant
2	Butter
1	

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