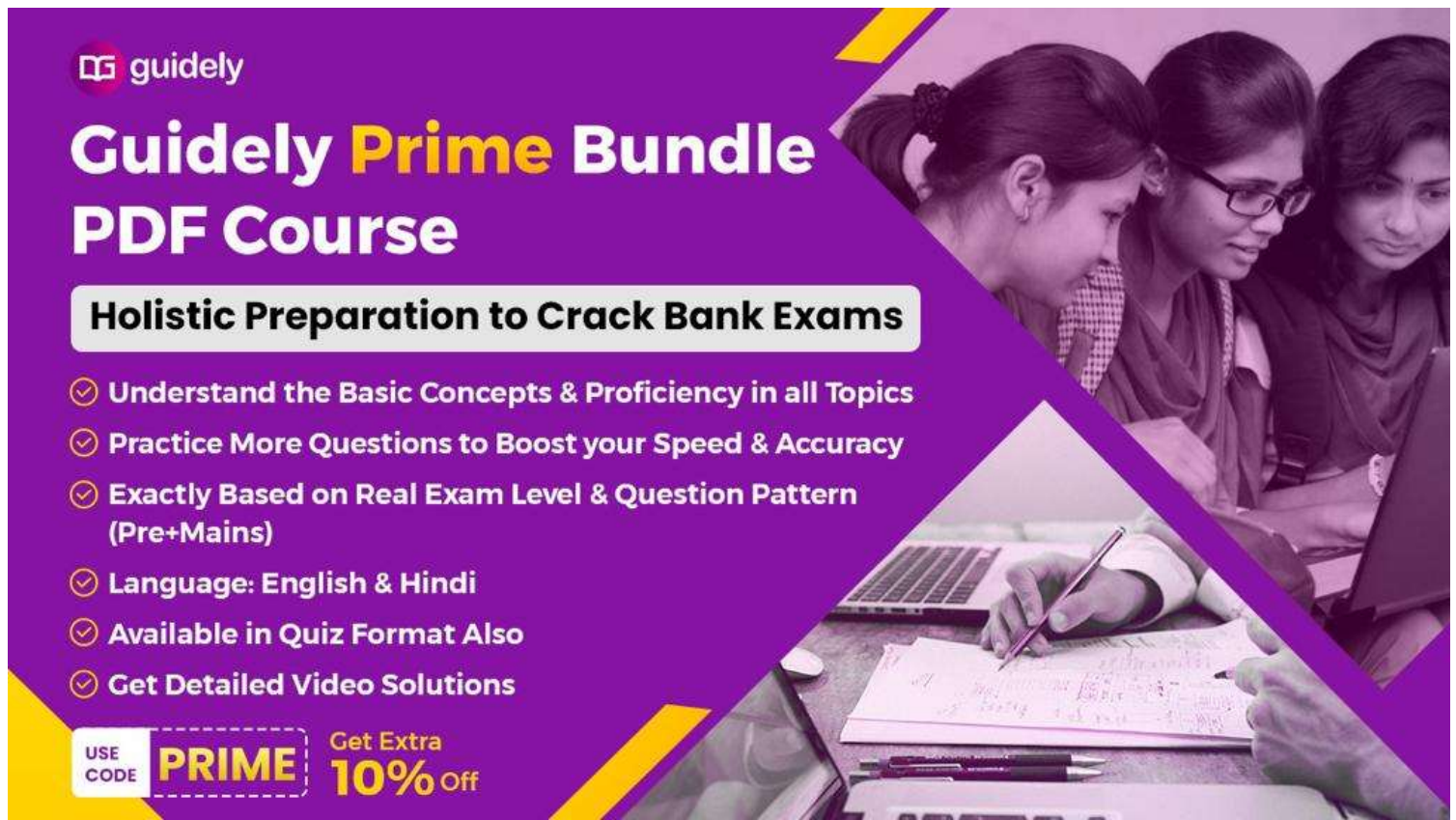


Box based Puzzle Questions for Bank Prelims Exam – Set 2



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

Eight boxes A, B, C, D, E, F, G and H numbered from 1-8 are stacked one above other such that box number 8 is placed at the bottom and box number 1 is placed at the top. Each box contains different quantity of sugar in kg as 3, 4, 5, 6, 7, 8, 9 and 10.

Only two boxes are placed below box C. Box H, which contains the highest quantity of sugar, is placed at a gap of one box from box C. Box D is placed immediately above box H. The box number of box D is 1 less than the quantity of sugar it contains. Box placed at the top contains

5kg sugar. Box B is numbered as 5 and contains 7kg and there are two boxes between box B and E. Box number of box E is the same as the quantity of sugar that box G contains. Box number 2 does not contain 8kg of sugar. Box F contains 3kg of sugar but is not numbered as 7.

1) How many boxes are placed in between Box G and Box F?

- A) Five
- B) Four
- C) Three
- D) Two
- E) None of These

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2) Which among the following box contains 5kg sugar?

- A) Box D
- B) Box G
- C) Box E
- D) Box A
- E) None of These

3) What is the sum of the quantities of sugar of the Box G and Box D?

- A) 12 kg
- B) 13 kg
- C) 7 kg
- D) 9 kg
- E) 10 kg

4) Which of the following box contains 6kg of sugar?

- A) Box E
- B) Box D
- C) Box A
- D) Box C
- E) Either Box E or Box C

5) Which of the following box is kept immediately above Box D?

- A) The box which is kept immediately below Box E
- B) Box E
- C) The box contains 3kg of sugar
- D) Box G
- E) None of These

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

Nine boxes A, B, C, D, E, F, G, H, and I are kept on the ten different shelves. Only one box is kept on each shelf and one of them is vacant. The bottommost shelf is numbered as 1 and the shelf immediately above it is numbered as 2 and so on.

Two boxes are kept between G and I which is kept on the topmost shelf. The vacant shelf is above 5th shelf. The number of shelves below A is one less than the number of shelves above A. B is kept four shelves above H, both of them are not kept on the even-numbered shelf. Only one box is kept between E and D. F is kept adjacent to neither E nor I. Only one shelf is between B and C.

6) Which of the following shelf is vacant?

- A) Shelf 8
- B) shelf 9
- C) shelf 10
- D) shelf 7
- E) shelf 6

7) Four of the following five are alike in a certain way and thus form a group as per the given arrangement. Which of the following does not belong to that group?

- A) B
- B) A
- C) H

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D) C

E) E

8) How many boxes are kept above the vacant shelf?

A) One

B) Three

C) Two

D) Four

E) Seven

19) Which among the following box is kept three boxes below the vacant shelf?

A) A

B) E

C) The box which is kept immediately below G

D) Both A & C

E) Both B & C

10) Which among the following box is exactly kept between G and F?

A) E

B) H

C) A

D) D

E) Both A & B

ANSWER WITH EXPLANATION

Directions (1-5):

1) Answer: B

2) Answer: D

3) Answer: A

4) Answer: E

5) Answer: C

STEP I: Only two boxes are placed below box C. Box H, which contains the highest quantity of sugar, is placed at a gap of one box from box C. Box D is placed immediately above box H. The box number of box D is 1 less than the quantity of sugar it contains. Box placed at the top contains 5kg sugar. Box B is numbered as 5 and contains

7kg and there are two boxes between box B and E.

As per these statements, we can say that C is numbered as 6th numbered box and there is one box between H and C and due to this only there will be two possible cases and the arrangement will look like this:

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CASE I		
Number	Box	Sugar Quantity
1		5
2	E/	
3	D	4
4	H	10
5	B	7
6	C	
7		
8	E/	

CASE II		
Number	Box	Sugar Quantity
1		5
2	E	
3		
4		
5	B	7
6	C	
7	D	8
8	H	10

STEP II: Box number of box E is the same as the quantity of sugar that box G contains. Box number 2 does not contain 8kg of sugar. Box F contains 3kg of sugar but is not numbered as 7.

As per these statements, we can say that **CASE II** will get eliminated because box number of box E is same as the quantity of sugar that box G contains and G can't contain 2 kg of sugar and now, we will continue with **CASE I** and the final arrangement will look like this:

CASE I		
Number	Box	Sugar Quantity
1	A	5
2	F	3
3	D	4
4	H	10
5	B	7
6	C	6/9
7	G	8
8	E	9/6

CASE II		
Number	Box	Sugar Quantity
1		5
2	E	
3		
4		
5	B	7
6	C	
7	D	8
8	H	10

Directions (16-20):

16) Answer: A

17) Answer: E

18) Answer: C

19) Answer: D

20) Answer: E

Shelves	Boxes
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10	I
9	C
8	Vacant
7	B
6	G
5	A
4	E
3	H
2	D
1	F

We have,

- Two boxes are kept between G and I which is kept on the topmost shelf.
- The vacant shelf is above 5th shelf.
- The number of shelves below A is one less than the number of shelves above A.
- From the above condition, there are four possibilities.

	Case 1	Case 2	Case 3	Case 4
Shelves	Boxes	Boxes	Boxes	Boxes
10	I	I	I	I
9		Vacant		
8	Vacant			
7			Vacant	G
6	G	G	G	Vacant
5	A	A	A	A
4				

3				
2				
1				

Again we have,

- B is kept four shelves above H, both of them are not kept on the even-numbered shelf.
- Only one box is kept between E and D.
- F is kept adjacent to neither E nor I.
- Only one shelf is between B and C.

	Case 1	Case 2	Case 3	Case 4
Shelves	Boxes	Boxes	Boxes	Boxes
10	I	I	I	I
9	C	Vacant		
8	Vacant			
7	B	B	Vacant	G
6	G	G	G	Vacant
5	A	A	A	A
4	E	E		
3	H	H		
2	D	D		
1	F	F		

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