SBI Clerk Mains Reasoning Memory Based Paper (26 November 2026 Shift 1)

Q.1 Which of the following boxes is of Red colour?

Read the following information carefully and answer the questions given below:

Eight boxes i.e., A, B, C, D, E, F, G and H are placed one above the other. These boxes are of different colours i.e., Red, White, Pink, Yellow, Green, Blue, Grey and Black but not necessarily in the same order.

The box which is of Pink is placed just above Box G, which is not placed at bottommost position. Three boxes are placed between Box G and Box F. Box F is placed above box G. There are two boxes which are placed between Box F and Box B. Box H is kept two boxes below box G. There are three boxes placed between box H and the yellow box. Box A is placed five boxes above red box. Red box is placed immediately above Grey box. Blue box is kept two boxes above box C. Green box is kept immediately above blue box. Two boxes are kept between green and white boxes. Box D is not of yellow colour.

A. A
B. B
C. D
D. H
E. G

Answer: D

Sol:

Final Arrangement is here:

Position	Box	Colour
1 (Top)	F	Black
2	A	White
3	E	Yellow
4	B	Pink
5	G	Green
6	D	Blue
7	H	Red
8 (Bottom)	C	Grey

Clues: The box which is of Pink is placed just above box G, which is not placed at bottommost position. Three boxes are placed between box G and box F. Box F is placed above box G. Box H is kept two boxes below box G.

Inference: Here we get two possible cases:

Position	Case 1	Case 2
1 (Top)	F	—
2	—	F
3	—	—
4	Pink	—
5	G	Pink
6	—	G
7	H	—

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8 (Bottom)	—	H

Clues: There are two boxes which are placed between box F and box B. There are three boxes placed between box H and the yellow box. Box A is placed five boxes above red box. Red box is placed immediately above Grey box.
Inference: B is Pink in both cases. Now we get:

Position	Case 1	Case 2
1 (Top)	F	A
2	A	F
3	Yellow	—
4	B (Pink)	Yellow
5	G	B (Pink)
6	—	G (Red)
7	H (Red)	Grey
8 (Bottom)	Grey	H

Clues: Blue box is kept two boxes above box C. Green box is kept immediately above blue box. Two boxes are kept between green and white boxes.
Inference: Case 2 gets cancelled here as there is no place for the Green, Blue and White boxes (Green–Blue at positions 1–2 puts C on the Yellow box and leaves no place for White, and Green–Blue at positions 2–3 puts C on B). In Case 1, Green is at position 5, Blue at position 6, C at position 8 and White at position 2. The remaining colour, Black, goes to F.

Position	Box	Colour
1 (Top)	F	—
2	A	White
3	—	Yellow
4	B	Pink
5	G	Green
6	—	Blue
7	H	Red
8 (Bottom)	C	Grey

Clues: Box D is not of yellow colour.
Inference: The remaining boxes D and E are at positions 3 and 6. D cannot be Yellow, so D is at position 6 (Blue) and E is at position 3 (Yellow). Final Arrangement is here:

Position	Box	Colour
1 (Top)	F	Black
2	A	White
3	E	Yellow

4	B	Pink
5	G	Green
6	D	Blue
7	H	Red
8 (Bottom)	C	Grey

H is of Red colour.

Q.2 How many boxes are placed between the box which is of Yellow colour and the box which is of Grey colour?

Read the following information carefully and answer the questions given below:

Eight boxes i.e., A, B, C, D, E, F, G and H are placed one above the other. These boxes are of different colours i.e., Red, White, Pink, Yellow, Green, Blue, Grey and Black but not necessarily in the same order.

The box which is of Pink is placed just above Box G, which is not placed at bottommost position. Three boxes are placed between Box G and Box F. Box F is placed above box G. There are two boxes which are placed between Box F and Box B. Box H is kept two boxes below box G. There are three boxes placed between box H and the yellow box. Box A is placed five boxes above red box. Red box is placed immediately above Grey box. Blue box is kept two boxes above box C. Green box is kept immediately above blue box. Two boxes are kept between green and white boxes. Box D is not of yellow colour.

A. None
B. Two
C. Three
D. Four
E. Five

Answer: D

Sol:

Final Arrangement is here:

Position	Box	Colour
1 (Top)	F	Black
2	A	White
3	E	Yellow
4	B	Pink
5	G	Green
6	D	Blue
7	H	Red
8 (Bottom)	C	Grey

Clues: The box which is of Pink is placed just above box G, which is not placed at bottommost position. Three boxes are placed between box G and box F. Box F is placed above box G. Box H is kept two boxes below box G.
Inference: Here we get two possible cases:

Position	Case 1	Case 2
1 (Top)	F	—
2	—	F

3	—	—
4	Pink	—
5	G	Pink
6	—	G
7	H	—
8 (Bottom)	—	H

Clues: There are two boxes which are placed between box F and box B. There are three boxes placed between box H and the yellow box. Box A is placed five boxes above red box. Red box is placed immediately above Grey box.
Inference: B is Pink in both cases. Now we get:

Position	Case 1	Case 2
1 (Top)	F	A
2	A	F
3	Yellow	—
4	B (Pink)	Yellow
5	G	B (Pink)
6	—	G (Red)
7	H (Red)	Grey
8 (Bottom)	Grey	H

Clues: Blue box is kept two boxes above box C. Green box is kept immediately above blue box. Two boxes are kept between green and white boxes.
Inference: Case 2 gets cancelled here as there is no place for the Green, Blue and White boxes (Green–Blue at positions 1–2 puts C on the Yellow box and leaves no place for White, and Green–Blue at positions 2–3 puts C on B). In Case 1, Green is at position 5, Blue at position 6, C at position 8 and White at position 2. The remaining colour, Black, goes to F.

Position	BoxColour
1 (Top)	F —
2	A White
3	— Yellow
4	B Pink
5	G Green
6	— Blue
7	H Red
8 (Bottom)	C Grey

Clues: Box D is not of yellow colour.
Inference: The remaining boxes D and E are at positions 3 and 6. D cannot be Yellow, so D is at position 6 (Blue) and E is at position 3 (Yellow). Final Arrangement is here:

Position	Box	Colour
1 (Top)	F	Black
2	A	White
3	E	Yellow
4	B	Pink
5	G	Green
6	D	Blue
7	H	Red
8 (Bottom)	C	Grey

The Yellow box (E) is at position 3 and the Grey box (C) is at position 8. The boxes between them are B, G, D and H, so four boxes.

Q.3 Which of the following combinations is true?

Read the following information carefully and answer the questions given below:

Eight boxes i.e., A, B, C, D, E, F, G and H are placed one above the other. These boxes are of different colours i.e., Red, White, Pink, Yellow, Green, Blue, Grey and Black but not necessarily in the same order.

The box which is of Pink is placed just above Box G, which is not placed at bottommost position. Three boxes are placed between Box G and Box F. Box F is placed above box G. There are two boxes which are placed between Box F and Box B. Box H is kept two boxes below box G. There are three boxes placed between box H and the yellow box. Box A is placed five boxes above red box. Red box is placed immediately above Grey box. Blue box is kept two boxes above box C. Green box is kept immediately above blue box. Two boxes are kept between green and white boxes. Box D is not of yellow colour.

A. E – Pink
B. F – White
C. G – Green
D. D – Grey
E. H – Blue

Answer: C

Sol:

Final Arrangement is here:

Position	Box	Colour
1 (Top)	F	Black
2	A	White
3	E	Yellow
4	B	Pink
5	G	Green
6	D	Blue
7	H	Red

8 (Bottom) C Grey

Clues: The box which is of Pink is placed just above box G, which is not placed at bottommost position. Three boxes are placed between box G and box F. Box F is placed above box G. Box H is kept two boxes below box G.
Inference: Here we get two possible cases:

Position	Case 1	Case 2
1 (Top)	F	—
2	—	F
3	—	—
4	Pink	—
5	G	Pink
6	—	G
7	H	—
8 (Bottom)	—	H

Clues: There are two boxes which are placed between box F and box B. There are three boxes placed between box H and the yellow box. Box A is placed five boxes above red box. Red box is placed immediately above Grey box.
Inference: B is Pink in both cases. Now we get:

Position	Case 1	Case 2
1 (Top)	F	A
2	A	F
3	Yellow	—
4	B (Pink)	Yellow
5	G	B (Pink)
6	—	G (Red)
7	H (Red)	Grey
8 (Bottom)	Grey	H

Clues: Blue box is kept two boxes above box C. Green box is kept immediately above blue box. Two boxes are kept between green and white boxes.
Inference: Case 2 gets cancelled here as there is no place for the Green, Blue and White boxes (Green–Blue at positions 1–2 puts C on the Yellow box and leaves no place for White, and Green–Blue at positions 2–3 puts C on B). In Case 1, Green is at position 5, Blue at position 6, C at position 8 and White at position 2. The remaining colour, Black, goes to F.

Position	Box	Colour
1 (Top)	F	—
2	A	White
3	—	Yellow

4	B	Pink
5	G	Green
6	—	Blue
7	H	Red
8 (Bottom)	C	Grey

Clues: Box D is not of yellow colour.
Inference: The remaining boxes D and E are at positions 3 and 6. D cannot be Yellow, so D is at position 6 (Blue) and E is at position 3 (Yellow). Final Arrangement is here:

Position	Box	Colour
1 (Top)	F	Black
2	A	White
3	E	Yellow
4	B	Pink
5	G	Green
6	D	Blue
7	H	Red
8 (Bottom)	C	Grey

G – Green is true. The other combinations are E – Yellow, F – Black, D – Blue and H – Red.

Q.4 Which of the following boxes is placed three boxes below the black box?

Read the following information carefully and answer the questions given below:

Eight boxes i.e., A, B, C, D, E, F, G and H are placed one above the other. These boxes are of different colours i.e., Red, White, Pink, Yellow, Green, Blue, Grey and Black but not necessarily in the same order.

The box which is of Pink is placed just above Box G, which is not placed at bottommost position. Three boxes are placed between Box G and Box F. Box F is placed above box G. There are two boxes which are placed between Box F and Box B. Box H is kept two boxes below box G. There are three boxes placed between box H and the yellow box. Box A is placed five boxes above red box. Red box is placed immediately above Grey box. Blue box is kept two boxes above box C. Green box is kept immediately above blue box. Two boxes are kept between green and white boxes. Box D is not of yellow colour.

A. Box A
B. Box B
C. Box E
D. Box F
E. Box H

Answer: B

Sol:

Final Arrangement is here:

Position	Box	Colour
1 (Top)	F	Black
2	A	White

3	E	Yellow
4	B	Pink
5	G	Green
6	D	Blue
7	H	Red
8 (Bottom)	C	Grey

Clues: The box which is of Pink is placed just above box G, which is not placed at bottommost position. Three boxes are placed between box G and box F. Box F is placed above box G. Box H is kept two boxes below box G.
Inference: Here we get two possible cases:

Position	Case 1	Case 2
1 (Top)	F	—
2	—	F
3	—	—
4	Pink	—
5	G	Pink
6	—	G
7	H	—
8 (Bottom)	—	H

Clues: There are two boxes which are placed between box F and box B. There are three boxes placed between box H and the yellow box. Box A is placed five boxes above red box. Red box is placed immediately above Grey box.
Inference: B is Pink in both cases. Now we get:

Position	Case 1	Case 2
1 (Top)	F	A
2	A	F
3	Yellow	—
4	B (Pink)	Yellow
5	G	B (Pink)
6	—	G (Red)
7	H (Red)	Grey
8 (Bottom)	Grey	H

Clues: Blue box is kept two boxes above box C. Green box is kept immediately above blue box. Two boxes are kept between green and white boxes.
Inference: Case 2 gets cancelled here as there is no place for the Green, Blue and White boxes (Green–Blue at positions 1–2 puts C on the Yellow box and leaves no place for White, and Green–Blue at positions 2–3 puts C on B). In Case 1, Green is at position 5, Blue at position 6, C at position 8 and White at position 2. The remaining colour, Black, goes to F.

Position	Box	Colour
1 (Top)	F	—
2	A	White
3	—	Yellow
4	B	Pink
5	G	Green
6	—	Blue
7	H	Red
8 (Bottom)	C	Grey

Clues: Box D is not of yellow colour.
Inference: The remaining boxes D and E are at positions 3 and 6. D cannot be Yellow, so D is at position 6 (Blue) and E is at position 3 (Yellow). Final Arrangement is here:

Position	Box	Colour
1 (Top)	F	Black
2	A	White
3	E	Yellow
4	B	Pink
5	G	Green
6	D	Blue
7	H	Red
8 (Bottom)	C	Grey

Q.5 What is the position of box C with respect to white box?

Read the following information carefully and answer the questions given below:

Eight boxes i.e., A, B, C, D, E, F, G and H are placed one above the other. These boxes are of different colours i.e., Red, White, Pink, Yellow, Green, Blue, Grey and Black but not necessarily in the same order.

The box which is of Pink is placed just above Box G, which is not placed at bottommost position. Three boxes are placed between Box G and Box F. Box F is placed above box G. There are two boxes which are placed between Box F and Box B. Box H is kept two boxes below box G. There are three boxes placed between box H and the yellow box. Box A is placed five boxes above red box. Red box is placed immediately above Grey box. Blue box is kept two boxes above box C. Green box is kept immediately above blue box. Two boxes are kept between green and white boxes. Box D is not of yellow colour.

A. Five boxes below
B. Seven boxes below
C. Six boxes below
D. Six boxes above
E. Seven boxes above

Answer: C

Sol:

Final Arrangement is here:

Position	Box	Colour
1 (Top)	F	Black
2	A	White
3	E	Yellow
4	B	Pink
5	G	Green
6	D	Blue
7	H	Red
8 (Bottom)	C	Grey

Clues: The box which is of Pink is placed just above box G, which is not placed at bottommost position. Three boxes are placed between box G and box F. Box F is placed above box G. Box H is kept two boxes below box G.
Inference: Here we get two possible cases:

Position	Case 1	Case 2
1 (Top)	F	—
2	—	F
3	—	—
4	Pink	—
5	G	Pink
6	—	G
7	H	—
8 (Bottom)	—	H

Clues: There are two boxes which are placed between box F and box B. There are three boxes placed between box H and the yellow box. Box A is placed five boxes above red box. Red box is placed immediately above Grey box.
Inference: B is Pink in both cases. Now we get:

Position	Case 1	Case 2
1 (Top)	F	A
2	A	F
3	Yellow	—
4	B (Pink)	Yellow

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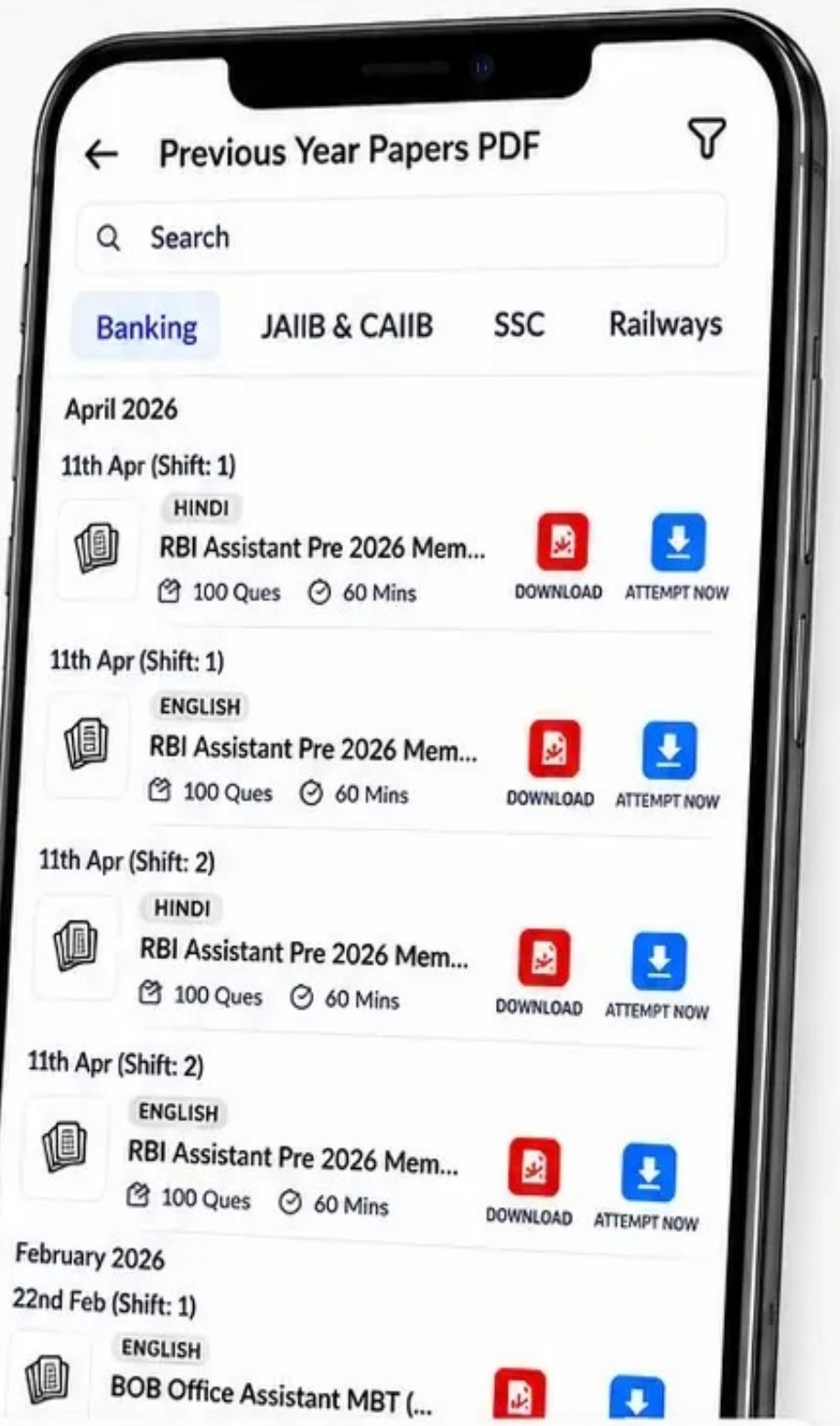

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5 G B (Pink)

6 — G (Red)

7 H (Red) Grey

8 (Bottom) Grey H

Clues: Blue box is kept two boxes above box C. Green box is kept immediately above blue box. Two boxes are kept between green and white boxes.
Inference: Case 2 gets cancelled here as there is no place for the Green, Blue and White boxes (Green–Blue at positions 1–2 puts C on the Yellow box and leaves no place for White, and Green–Blue at positions 2–3 puts C on B). In Case 1, Green is at position 5, Blue at position 6, C at position 8 and White at position 2. The remaining colour, Black, goes to F.

Position	Box	Colour
1 (Top)	F	—
2	A	White
3	—	Yellow
4	B	Pink
5	G	Green
6	—	Blue
7	H	Red
8 (Bottom)	C	Grey

Clues: Box D is not of yellow colour.
Inference: The remaining boxes D and E are at positions 3 and 6. D cannot be Yellow, so D is at position 6 (Blue) and E is at position 3 (Yellow). Final Arrangement is here:

Position	Box	Colour
1 (Top)	F	Black
2	A	White
3	E	Yellow
4	B	Pink
5	G	Green
6	D	Blue
7	H	Red
8 (Bottom)	C	Grey

F is at position 1 (top) and C is at position 8 (bottom), so C is placed seventh below F.